# Quick Reference Guide

## JANUARY 2013

American Standard
HEATING & AIR CONDITIONING

# IT'S TIME.

| EFFICIENCY | COMFORT |
|---|---|
| *Z* = Highest efficiency | *V* = Variable-speed motor |
| *X* = Mid-range efficiency | *M* = Two-stage or multi-stage motor |
| *S* = Standard efficiency | *I* = Single-stage motor |

American Standard Heating & Air Conditioning is pleased to introduce a new product identification system that will help make your sales process more convenient, and help customers better understand the features and benefits of their products.

## NEW NAMES FOR THE QUALITY, TRUST AND RELIABILITY YOU'VE ALWAYS KNOWN.

Based on feedback from dealers and distributors across the country, American Standard Heating & Air Conditioning updated their naming structure to remove SEER and AFUE designations from product names. In doing so, and by introducing in its place a consumer-friendly tiered naming system, you will be able to sell on the true benefits of the product, while giving customers clear differentiation between good, better and best. This also provides new opportunities to upsell by grouping components together as complete packages. The naming update is a rolling change that began with the launch of the new americanstandardair.com in Q4 2010. Many updates to literature, badging and other materials have been completed, and others will continue to occur over the next few months.

| | PRODUCT NAME | FORMERLY KNOWN AS |
|---|---|---|
| | **GAS/ELECTRIC** | |
| | Platinum ZM Gas/Electric System | Triumph® 4YCZ6 Gas/Electric System |
| | Gold XM Gas/Electric System | Triumph® 4YCY4 Gas/Electric System |
| | Silver SI+ Gas/Electric System | Triumph® 4YCX3 Gas/Electric System |
| | Silver SI Gas/Electric System | American Standard 4YCC3 Gas/Electric System |
| | **ALL ELECTRIC** | |
| | Platinum ZM Heat Pump System | Heritage® 4WCZ6 Heat Pump System |
| PACKAGED SYSTEMS | Gold XM Heat Pump System | Heritage® 4WCY4 Heat Pump System |
| | Gold SI Heat Pump System | Heritage® 4WCX3 Heat Pump System |
| | Silver SI+ Heat Pump System | American Standard 4WCC3 Heat Pump System |
| | Silver SI Heat Pump System | American Standard WCH/ WCK Heat Pump System |
| | **A/C ONLY** | |
| | Platinum ZM Air Conditioner | Allegiance® 4TCY4 All-In-One Air Conditioner |
| | Gold XM Air Conditioner | Allegiance® 4TCX3 All-In-One Air Conditioner System |
| | Silver SI+ Air Conditioner | American Standard 4TCC3 All-In-One Air Conditioner System |
| | Silver SI Air Conditioner | American Standard TCK All-In-One Air Conditioner System |
| | **HYBRID** | |
| | Platinum ZM Hybrid Comfort System | Heritage Hybrid™ Comfort System 4DCZ6 |
| | Gold XM Hybrid Comfort System | Heritage Hybrid™ Comfort System 4DCY4 |
| | AccuLink™ Platinum ZV Control | N/A |
| | AccuLink™ Remote Control | N/A |
| | Gold ZM Control | 900 Family 7-day Digital Programmable Comfort Control |
| CONTROLS | Gold XM Control | 800 Family 7-day Digital Programmable Comfort Control |
| | Silver XI Control | 600 Family 5/2 Digital Programmable Comfort Control |
| | Silver SI+ Control | 400 Family Digital Non-Programmable Comfort Control |
| | Silver SI Control | 200 Family Digital Non-Programmable Comfort Control |

| | PRODUCT NAME | FORMERLY KNOWN AS |
|---|---|---|
| | Platinum ZM Air Conditioner | Allegiance® 20 Air Conditioner |
| | Platinum XM Air Conditioner | Allegiance® 16 Air Conditioner |
| AIR CONDITIONERS | Gold XI Air Conditioner | Allegiance® 15 Air Conditioner |
| | Gold SI Air Conditioner | Allegiance® 13 Air Conditioner |
| | Silver XI Air Conditioner | American Standard 14 Air Conditioner |
| | Silver SI Air Conditioner | American Standard 13 Air Conditioner |
| | Silver SI Air Conditioner | N/A |
| | Platinum ZM Heat Pump | Heritage® 20 Heat Pump |
| | Platinum XM Heat Pump | Heritage® 16 Heat Pump |
| HEAT PUMPS | Gold XI Heat Pump | Heritage® 15 Heat Pump |
| | Gold SI Heat Pump | Heritage® 13 Heat Pump |
| | Silver XI Heat Pump | American Standard 14 Heat Pump |
| | Silver SI Heat Pump | American Standard 13 Heat Pump |
| | Platinum ZV Furnace | Freedom® 95 Comfort-R™ Variable Speed, Modulating Communicating Furnace |
| | Gold ZM Furnace | Freedom® 95 Comfort-R™ Variable Speed Furnace |
| | Gold XM Furnace | N/A |
| | Gold XI Furnace | N/A |
| | Silver ZI Furnace | Freedom® 95 Single-Stage Furnace |
| | Silver SI Furnace | American Standard 90 Furnace |
| FURNACES | Platinum SV Furnace | Freedom® 80 Comfort-R™ Variable Speed Communicating Furnace |
| | Gold SV Furnace | Freedom® 80 Comfort-R™ Furnace |
| | Gold SM Furnace | Freedom® 80 Two-Stage Furnace |
| | Silver XI Furnace | Freedom® 80 High Efficiency Single-Stage Furnace |
| | Silver SI+ Furnace | Freedom® 80 Single-Stage Furnace |
| | Silver SI Furnace | American Standard 80 Furnace |
| | Platinum XV Oil Furnace | Freedom® 80 Comfort-R™ Variable Speed Oil Furnace |
| | Silver SI Oil Furnace | Freedom® 80 Single-Stage Oil Furnace |
| | Platinum ZV Air Handler | N/A |
| | Platinum XV Air Handler | N/A |
| FOREFRONT™ AIR HANDLERS | Gold SI Air Handler | N/A |
| | Gold XI Air Handler | N/A |
| | Silver SI Air Handler | N/A |

# Contents

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This publication is for general reference information only and is not intended for systems equipment / combination selections.

Products listed in this book are not always carried in factory/distributor inventory, nor are all products available through all distribution channels. Consult your Distributor for availability and shipping information.

Since American Standard Heating & Air Conditioning has a policy of continuous product improvement, it reserves the right to change design and specification without notice.

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For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

# Contents

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

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installation instructions and warranty information,
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![American Standard logo] **American Standard®**
HEATING & AIR CONDITIONING

# Model Nomenclature

## Outdoor Units

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| 4 | A | 7 | Z | 0 | 0 | 3 | 6 | A | 1 | 0 | 0 | 0 | A | A |

**Refrigerant Type**
2 = R-22
4 = R-410A

**A, T American Standard**

**Product Type**
6, W = Split Heat Pump
7, T = Split Cooling

**Product Family**
Z = Leadership - Two Stage
A = Allegiance
H = Heritage
M or B = Basic
C = Light Commercial

**Family SEER**
0 = 20
1 = 11     5 = 15
2 = 12     6 = 16
3 = 13     8 = 18
4 = 14     9 = 19

**Split System Connections 1-6 Tons**
0 = Brazed

**Nominal Capacity in 1000's (BTUH)**

**Major Design Change**

**Power Supply**
1 = 200-230/1/60 or 208-230/1/60
3 = 200-230/3/60
4 = 460/3/60

**Secondary Function**

**Minor Design Change**

**Service Digit - Not Orderable**

## Accessories

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|----|----|
| A | Y | E | C | O | N | 0 | 0 | 1 | A | A |

**Denotes: Accessories**

**Accessories Type** (Example: BAYCURB, AY, ASY)

| | | | |
|---|---|---|---|
| ASCT | = Anti-Cycle Timer | LOAM | = Low Ambient Controls |
| BARM | = Barometric Relief | LPKT | = L.P. Kit |
| BASE | = Subbase | LSDR | = Low Static Drive |
| BRZQ | = Coupling Kit Adaptors | NXKT | = NOx Rod Accessory Kit |
| CCHT | = Crankcase Heater | PANL | = Panel |
| CLE | = Coil Enclosures | PLNM | = Plenum |
| CURB | = Roof Curb | PLUS | = Add-on Heat Pump |
| DMPR | = Damper | REFLN | = Refrigerant Lines |
| DNFLW | = Downflow Conversion Kit | RLAY | = Relay |
| ECON | = Economizer | SENS | = Sensor |
| ENTH | = Enthalpy Control | SPEK | = Single Power Entry Kit |
| FLTR | = Filter | STAT | = Thermostat |
| GARD | = Coil Guard | TBKT | = Thru Base Utility Kit |
| GRLE | = Return Air Grill | TEST | = Test Accessory |
| HALT | = High Altitude Kit | TFMR | = Transformer |
| HGBP | = Hot Gas Bypass Control | TWIN | = Twinning Kits |
| HSMT | = High Static Motor | TXVA | = Cooling Bleed/Non Bleed Kits |
| HTRA | = Electric Heater (Digit 7 Is Used To Differentiate The Products Accessory Is Used With) | TXVH | = Heat Pump Non Bleed Kits |
| | | UTIL | = Curb Ext. Kit |
| | | VENT | = Termination Kit |
| ISLT | = Isolator | WAR | = Warranty |
| KSKT | = Start Accessory Kit | WATR | = Hydronic Heat Coils |
| LEG | = Snow Legs | WRKT | = Wire Kit |
| LIFT | = Lifting Lug Kit | 2STG | = 2 Stage Gas |

**Major Design Change**
Numbers Are Sequentially Assigned Except For Electric Heaters. On Electric Heaters Digit 8 Is Used To Identify Voltage And Digit 9 And 10 Are Used To Identify Capacity In KW's.

**Minor Design Change**
Accessory To Unit Match-up (When Required)

**Service Digit - Not Orderable**

## Commercial Condensing Units Cooling and Heat Pump

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|----|----|----|
| T | T | A | 0 | 9 | 0 | D | 3 | H | R | B | 0 |

**Product Type**
TTA = Split Cooling   TWA = Split Heat Pump

**Nominal Gross Cooling Capacity (MBh)**

| Cooling | Heat Pump |
|---|---|
| 090 = 7 1/2 Tons | 090 = 7 1/2 Tons |
| 120 = 10 Tons | 120 = 10 Tons |
| 150 = 12 1/2 Tons | 180 = 15 Tons |
| 180 = 15 Tons | 240 = 20 Tons |
| 240 = 20 Tons | 300 = 25 Tons |

**Compressor**
D = Single Compressor (R-410A)
E = Dual Compressors (R-410A)
F = Dual Manifolded Compressors (R-410A)

**Electrical Characteristics**
3 = 208 - 230/3/60   4 = 460/3/60   W=575/3/60

**Factory-Installed Options**
0 = No Hail Guard
H = Hail Guard

**Factory-Installed Options**
0 = Packed Stock, No Options
S = Epoxy Coil
R = ReliaTel™
T = ReliaTel™ with Epoxy Coil

**Minor Design Change**

**Service Digit - Not Orderable**

## Air Handler

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| G | A | M | 2 | A | 0 | A | 3 | 6 | S | 3 | 1 | S | A | A |

**Brand**
T = American Standard
G = Good (American Standard Branded)

**Product Type**
A = Air Handler

**Convertability**
M= Multi-poise 4-way
F = Upflow Front Return, 3-way
T = 3-way

**Product Tier**
2 = Good, Entry Level Feature Set
4 = Better, Retail Replacement Mid Effy.
5 = Better, Entry Level High Effy., Multi-Speed
7 = Best, Retail Replacement High Effy., Variable-Speed
8 = Best, Retail Ultimate High Effy., Variable-Speed
G = Best,Geothermal

**Major Design Change**

**No Descriptor**
0 = Air Handler / Coil

**Size (Footprint)**
A = 17.5 x 21.5
B = 21.0 x 21.5
C = 23.5 x 21.5

**Cooling Size: Air Handler or Coil**
0-9 = AH Coil - 1000 BTU's (18, 24, 30, 36, 42, 48, 60)

**Airflow Type & Capability**
S = Low Effy PSC, 1-5 - nom. Tonnage (cfm/ton)
M = Mid Effy Multi-Speed, 1-5 - nom. Tonnage (cfm/ton)
H = High Effy Variable, 1-5 - nom. Tonnage (cfm/ton)
V = High Effy Variable, 1-5 - nom. Tonnage (cfm/ton)

**Power Supply**
1 = 208-230/1/60

**System Control Type**
S = Standard - 24 VAC
C = CLII 13.8 VDC

**Minor Design Change**

**Unit Parts Identifier**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# American Standard
## HEATING & AIR CONDITIONING

# Model Nomenclature

## Air Handler

```
       1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
       4 F W C A 0 2 4 A 1  0  0  0  A  A
```

**Refrigerant Type**
4 = R-410A

**Model Type**
FWC = Convertble
FWH = Convertible with Constant Torque ECM Motor
FWM = Stud Mount with Factory Installed Electric Heat
FWD = Furr-Down Uncased with Factory Installed Electric Heat
FWF = Furr-Down Cased with Factory Installed Electric Heat

**Insulation**
A = Standard
F = R4.2 Insulation

**Capacity**
Nominal Capacity in 1000's (BTUH)

**Major Design Change**

**Power Supply**
1 = Single Phase

**Electrical Connection**
0 = Pig Tails
D = Pull Disconnect

**Electric Heater**
00 = No heater
05 = 5 KW
08 = 8 KW
10 = 10 KW
15 = 15 KW
20 = 20 KW

**Minor Design Change**

**Service Digit - Not Orderable**

## Air Handler - Residential

```
       1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
       4 T E E 3 F 3 6 A 1  0  0  0  A  A
```

**Refrigerant Type**
4 = R-410A

**Application**
TE = Fully Convertible
TG = Semi Convertible
TF = Front Return
TB = Modular Blower

**Product Family**
E = Leadership - Variable Speed
H = High Efficiency
C = Replacement/Retail
B = Basic

**Flow Control**
0 = No Flow Control
3 = TXV–Non-bleed

**Feature Indentifier**
0 = Standard Unit
F = Air-Tite™
D = Intergated Whole Home Air Cleaner
C = Communicating Air Handler

**Nominal Capacity in 1000's (BTUH)**

**Major Design Change**

**Power Supply**
1 = Single Phase

**Electrical Connection**
0 = Pig Tails
B = Circuit Breaker
D = Pull Disconnect

**Future Option - Factory Installed Heater Nominal KW Value**

**Minor Design Change**

**Service Digit - Not Orderable**

NOTE: There will be a phase-in of new model numbers for new air handlers over next 2 years.
For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

## Air Handler - Commercial

```
       1 2 3 4 5 6 7 8 9 10 11 12
       T W E 0 9 0 D 1 0  0  A  0
```

**Product Type**
TW = Cooling/Heat Pump

**Airflow Type**
E = Convertible – Upflow/Horizontal Only

**Nominal Gross Cooling Capacity (MBh)**
060 = 5 Tons    180 = 15 Tons
090 = 7 1/2 Tons    240 = 20 Tons
120 = 10 Tons    300 = 25 Tons
150 = 12 1/2 Tons

**Refrigeration Circuits**
D = Single Circuit
E = Dual Circuit, R-410A

**Electrical Characteristics**
1 = 208-230/1/60
3 = 208-230/3/60
4 = 460/3/60

**Factory Installed Options**
00 = Packed Stock (No Options), Standard Motor - Electromechanical
03 = 2 speed VFD Standard Motor - Electromechanical Controls
04 = 2 speed VFD Oversized Motor - Electromechanical Controls
R3 = SZVAV VFD Standard Motor - ReliaTel Controls™
R4 = SZVAV VFD Oversized Motor - ReliaTel Controls™

**Minor Design Change**

**Service Digit - Not Orderable**

## Air Handler/ Electric Furnace Heaters

```
       1 2 3 4 5 6 7 8 9 10 11 12 13 14
       B A Y H T R 1 4 1  5  B  R  K  A
```

**Accessory**

**Heater**

**Power Supply**
1 = Single Phase
3 = Three Phase

**Series/Family**
3 = 2/4TEH Models Only

**Heater *KW***

**Electrical Connection**
000 = Pig Tails Only
BRK = Circuit Breaker
PDC = Pull Disconnect
RBR = Recessed Breaker-TVF018, TVF024, 14" Deep only
RPD = Recessed Pull Disconnect-TVF018, TVF024, 14" Deep only

**Minor Design Change**

## Gas Furnaces

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | U | D | 1 | B | 0 | 8 | 0 | A | 9 | H | 3 | 1 | A | A |

**Furnace Configuration**
AU = Upflow/Horizontal
AD = Downflow/Horizontal

**Type**
E = 80% Induced Draft Standard
D = 80% Induced Draft Premium
C = 90% Condensing Standard
X = 90% Condensing Premium
H = 95% Condensing Premium

**Number of Heating Stages**
1 = Single Stage
2 = Two Stage
3 = Three Stage
M = Modulating

**Cabinet Width**
A = 14.5" Cabinet Width
B = 17.5" Cabinet Width
C = 21.0" Cabinet Width
D = 24.5" Cabinet Width

**Heating Input in 1000's (BTUH)**
080 = 80,000 BTUH

**Major Design Change**

**Voltage**
9 = 115 Volts / 60 Hertz / Natural Gas
A = 115 Volts / 50 Hertz / Natural Gas
C = 115 Volts / Natural Gas with Communicating System Control
F = 115 Volts / Natural Gas with Integrated Electronic Filter
D = 115 Volts / Natural Gas with Communicating System Control and Integrated Electronic Filter

**Air Capacity for Cooling**

| Standard PSC | Variable Speed | High Efficiency |
|---|---|---|
| 24 = 2 Tons | V3 = 3 Tons | H3 = 3 Tons |
| 36 = 3 Tons | V4 = 4 Tons | H4 = 4 Tons |
| 42 = 3.5 Tons | V5 = 5 Tons | H5 = 5 Tons |
| 45 = 4 Tons | | |
| 48 = 4 Tons | | |
| 54 = 5 Tons | | |
| 60 = 5 Tons | | |
| 72 = 6 Tons | | |

**Draft Inducer Speeds**
1 = Single Speed
2 = Two Speed
V = Variable Speed

**Minor Design Change**

**Service Digit - Not Orderable**

## Gas Furnaces

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A | U | Y | 0 | 8 | 0 | R | 9 | V | 3 | V | 0 |

**Furnace Configuration**
AU = Upflow/Horizontal
AD = Downflow/Horizontal

**Type**
C = Condensing
D = Induced Draft
X = Direct Vent Condensing

**Heating Input in 1000's (BTUH)**
080 = 80,000 BTUH

**Major Design Change**
C = Single Stage      R = Two Stage
All other = Standard System

**Power Supply and Fuel**
115 Volt          Natural Gas

**Airflow Capacity for Cooling**
Example: 36 = 3 Tons
400 CFM/Ton
400 x 3 Tons = 1200 CFM
V3 = 1 1/2 – 3 Tons, Variable Speed Motor (ICM)
V4 = 2 – 4 Tons, Variable Speed Motor (ICM)
V5 = 3 – 5 Tons, Variable Speed Motor (ICM)

**Minor Design Change**
V = Variable Speed Inducer

**Service Digit - Not Orderable**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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**American Standard**
HEATING & AIR CONDITIONING

# Model Nomenclature

## Oil Furnaces

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| T | H | V | 1 | M | 0 | 8 | 7 | A | 9 | 3 | 6 | S | A | A |

**Furnace Configuration**
HV = High Boy Vertical Flue
LF = Low Boy Front Flue (vertical)
LR = Low Boy Rear Flue
DF = Downflow/Horizontal Front Flue

**Heating Stages**

**Cabinet Width**
M = 22 1/4"

**Heating Output in 1000's (BTUH)**
087 = 87,000 BTUH

**Major Design Change**

**Power Supply**
1 = 115 v/1 ph/60hz

**Nominal Capacity**
Standard      Variable Speed
36 = 3 Tons   V3 = 3 Tons
48 = 4 Tons   V4 = 4 Tons

**Efficiency**
S = 80% + AFUE

**Minor Design Change**

**Service Digit - Not Roderable**

## Heat Pump/ Cooling Coils

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| 4 | T | X | C | B | 0 | 3 | 6 | A | C | 3 | H | C | A | A |

**Refrigerant Type**
4 = R-410A

**Series**
T = Premium (Heat Pump)
N = Premium (Convertible to HP)
C = Standard (Cooling Only)

**Coil Design**
X = Direct Expansion Evaporator Coil

**Coil Feature**
C = Cased A Coil
A = Uncased A Coil
F = Cased Horizontal Flat Coil

**Coil Width (Cased/Uncased)**
A = 14.5" /13.3"
B = 17.5" / 16.3"
C = 21.0" / 19.8"
D = 24.5" / 23.3"
H = 10.5"

**Refrigerant Line Coupling**
0 = Brazed

**Nominal Capacity in 1000's (BTUH)**

**Major Design Change**

**Efficiency**
C = Standard
S = Hi Efficiency (derived from 10 SEER products)

**Refrigerant Control**
3 = TXV - Non-Bleed

**Coil Circuitry**
H = Heat Pump
C = Cooling

**Airflow Configuration**
A = Upflow Only
U = Upflow / Downflow
H = Horizontal Only
C = Convertible - Upflow, Downflow, Left or Right Airflow

**Minor Design Change**

**Service Digit - Not Orderable**

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# American Standard HEATING & AIR CONDITIONING

# Model Nomenclature

## Heat Pump/ Cooling Coils

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| 4 | T | X | C | B | 0 | 0 | 1 | C | C | 3 | H | C | A | A |

**Refrigerant Type**
4 = R-410A

**Series**
T = Premium (Heat Pump or Convertible Coil)

**Coil Design**
X = Direct Expansion Evaporator Coil

**Coil Feature**
C = Cased A Coil
A = Uncased A Coil
F = Cased Horizontal Flat Coil

**Coil Width (Cased/Uncased)**
A = 14.5" /13.3"
B = 17.5" / 16.3"
C = 21.0" / 19.8"
D = 24.5" / 23.3"
H = 10.5"

**Refrigerant Line Coupling**
0 = Brazed

**Model Number Distinguisher**

**Major Design Change**

**Efficiency**
C = Standard
S = Hi Efficiency (derived from 10 SEER products)

**Refrigerant Control**
3 = TXV - Non-Bleed

**Coil Circuitry**
H = Heat Pump

**Airflow Configuration**
A = Upflow Only
U = Upflow / Downflow
H = Horizontal Only
C = Convertible - Upflow, Downflow, Left or Right Airflow

**Minor Design Change**

**Service Digit - Not Orderable**

## TXV Kits

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| 2 | A | Y | T | X | V | H | 3 | A | 2 | 5 | 3 | 1 | A | A |

**Refrigerant**
4 = R-410A
2 = R-22

**Accessory**

**Accessory Type**
TXV Kit

**Compatibility**
Cooling & Heat Pump Compatible

**Flow Control**
3 = TXV - Non Bleed

**Major Design Change**
B = Internally Mounted (Mechanical Fittings)
C = Internally Mounted (Mechanical Fittings)
D = Internally Mounted (Mechanical Fittings)

**Minimum Nominal Capacity in 000's BTU's**

**Maximum Nominal Capacity in 000's BTU's**

**Minor Design Change**

**Service Digit - Not Orderable**

## American Standard AccuClean™ Whole Home Air Cleaner

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| A | F | D | 1 | 4 | 5 | A | L | F | R | 0 | 0 | 0 | A | A |

**Brand**

**Filtration**

**ifD**

**Size**

| Furnace Upflow | Furnace Downflow | Air Handler |
|---|---|---|
| 145 = 14.5" | 14D = 14.5" | 215 = 21.5" |
| 175 = 17.5" | 17D = 17.5" | 235 = 23.5" |
| 210 = 21.0" | 21D = 21.0" | 260 = 26.0" |
| 245 = 24.5" | 24D = 24.5" | |

**Major Design Series**

**Power Supply**
L = Low Voltage

**Application**
AH000 = Air Handler
FR000 = Furnace

**Minor Design**

**Service Sequence Not Orderable**

## Perfect Fit™ Air Cleaner

| 1 | 2 | 3 | 456 | 7 | 8 | 910 | 11 | 12 |
|---|---|---|-----|---|---|-----|----|----|
| T | F | M | 175 | A | 0 | FR | 1 | 1 |

**Filter**

**Filter Type**
M = Media, 5 Inch   P = Pleated, 1 Inch

**Product Dimension**
145 = 14.5 Inch Furnace Width   215 = 21.5 Inch Air Handler Width
175 = 17.5 Inch Furnace Width   235 = 23.5 Inch Air Handler Width
210 = 21.0 Inch Furnace Width   260 = 26.0 Inch Air Handler Width
245 = 24.5 Inch Furnace Width

**Product Development Sequence**
A = 5" Cartridge Media (Rigid)
B = 5" Expandable Media

**Voltage**
1 = 240V     9 = 140V

**Product Description**
AH = Air Handler
FR = Furnace

**Minor Design Change**

**Service Digit - Not Orderable**

## Perfect Fit™ Filter Accessories

| 1 | 23 | 45 | 67 | 89 | 10 | 11 | 12 |
|---|----|----|----|----|----|----|----|
| B | AY | FT | FR | 17 | M | 2 | A |

**Business Unit**

**Accessory**

**Filter**

**Product Type**
AH = Air Handler
FR = Furnace

**Size**
14 Inch       21 Inch       24 Inch       EX = Expandable
17 Inch       23 Inch       26 Inch

**Type**
M = Media, 5 Inch       T = Throwaway, Fiberglass, 1 Inch
P = Pleated, 1 Inch     W = Permanent–Washable, 1 Inch

**Quantity**
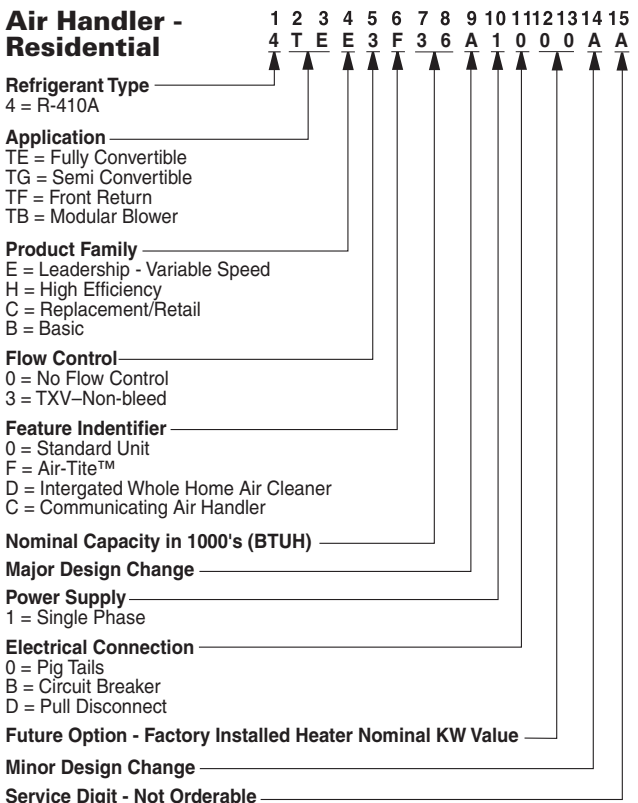1 = 1       2 = 2       4 = 4       D = Dozen

**Minor Design Change**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
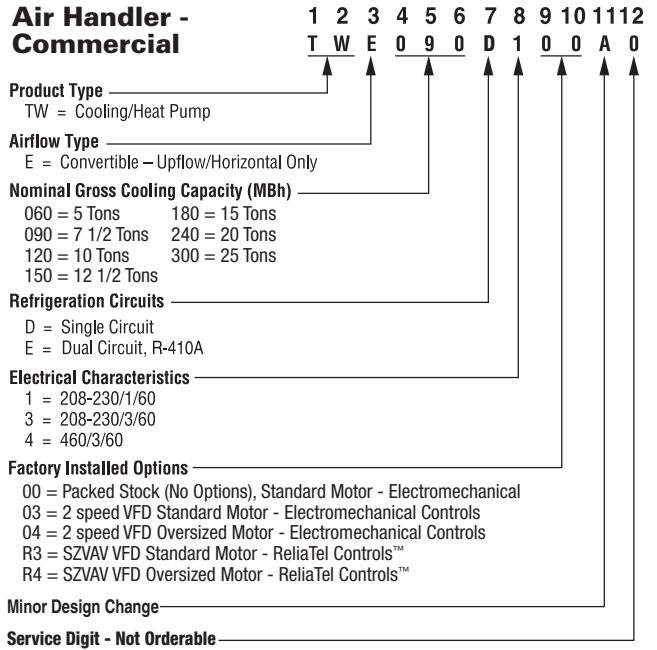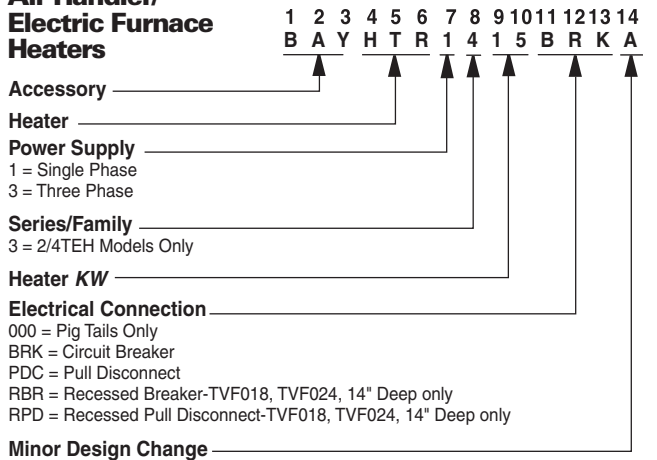14-1011-29

# American Standard
## HEATING & AIR CONDITIONING

# Model Nomenclature

## Humidifiers

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| A | H | U | M | D | 2 | 0 | 0 | A | B | M | 0 | 0 | B | A |

**Brand**

**Accessory Type**

**Model Series**
200, 300, 500

**Major Design Change**
Humidifier

**Humidifier Type**
B = Bypass, Flow Through
P = Fan Powered, Flow Through

**Control**
M = Manual
A = Automatic

**Secondary Function-**
Blank

**Minor Design Change**

**Service Digit - Not Orderable**
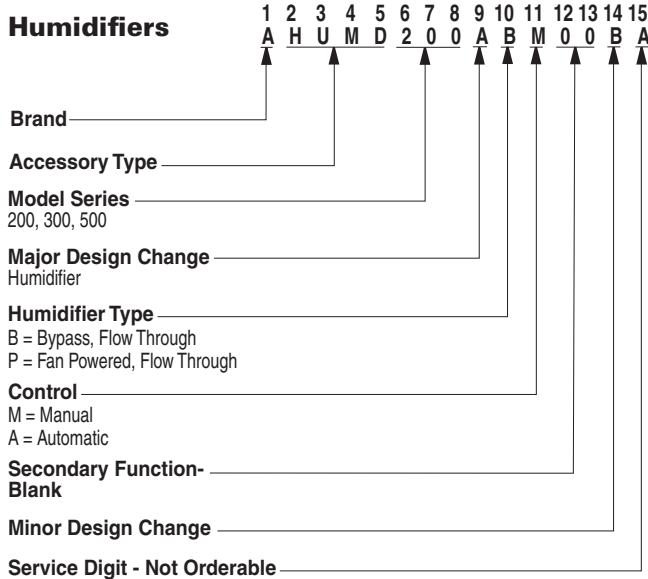
## Humidifier Accessories

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| B | A | Y | R | L | Y | 1 | 0 | A | S | E | N | S | A | A |

**Accessory**

**Description**
RLY = Relay
PAD = Humidifier Replacement Pad
PLT = Adapter Plate

**Accessory Series**

**Major Design Change**

**Accessory Type**
SENS = Sensing
1310 = Height x Width (Dimensions)
MHCO = Manual Humidifier Control

**Minor Design Change**

**Service Digit- Not Orderable**

## Humidifier Controls

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| A | C | O | N | T | H | 0 | 1 | A | A | U | T | O | A | A |

**Brand**

**Accessory Type**
CONT = Control

**Accessory**
H = Humidifier

**Model Series**

**Major Design Change**

**Control Type - Automatic or Manual**
SENS = Sensing
1310 = Height x Width (Dimensions)
MHCO = Manual Humidifier Control

**Minor Design Change**

**Service Digit - Not Orderable**

## Energy Recovery Ventilator (ERV)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| A | E | R | V | R | 1 | 0 | 0 | A | 9 | P | 0 | 0 | A | A |

**Brand**

**Product Type**
ERV = Energy Recovery Ventilator

**Feature Tier**
B = Future
R = PSC Blower/PT Control
X = Future

**Model Family (Nominal Airflow)**
100 = 130 cfm
200 = 200 cfm
300 = 300 cfm

**Major Design Change**

**Power Supply**
1 = 115 v/1 ph/60 hz

**Type of Defrost**
P = Passive

**Open**

**Minor Design Change**

**Service Digit - Not Orderable**

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

## Packaged Units

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| 4 | Y | C | X | 3 | 0 | 4 | 2 | A | 3 | 0 | 8 | 0 | A | A |

**Refrigerant**
4 = R-410A

**Type**
YC = Gas Electric
WC = Heat Pump
DC = Dual Fuel
TC = Air Conditioner

**Model Tier**
C = Entry Level
X = Upgrade
Y = Premium
Z = Leadership - (2-Stage)

**Efficiency Tier**
3 = 13 SEER
4 = 14 SEER
6 = 16 SEER

**Capacity in 1000's (BTUH)**
018     042
024     048
030     060
036

**Major Design Change**

**Voltage & Phase**
1 = 230V 1 Phase
3 = 230V 3 Phase
4 = 460V 3 Phase

**Gas Heat Input (MBTU/H)**
000 (AC or HP)     075
040                096
064                120

**Minor Design Change**

**Service Digit - Not Orderable**

## Packaged Units

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|----|----|----|
| Y | C | X | 0 | 3 | 6 | G | 1 | M | 0 | A | 0 |

**Product Type**
TC  = Cooling, Electric Heat
WC  = Heat Pump Packaged
YC  = Gas Electric
DC  = Heat Pump with Gas Heat

**Airflow Configuration**
D     = Downflow          Y = Super High Efficiency
H, K  = Horizontal        Z = Ultra High Efficiency
C     = Convertible
X     = High Efficiency

**Cooling Capacity in 1000's (BTUH)**
018 = 1 1/2 Tons       060 = 5 Tons
024 = 2 Tons           150 = 12 1/2 Tons
030 = 2 1/2 Tons       180 = 15 Tons
036 = 3 Tons           210 = 17 1/2 Tons
042 = 3 1/2 Tons       240 = 20 Tons
048 = 4 Tons           300 = 25 Tons

**Commercial High Efficiency Units**
151 = 12 1/2 Tons
181 = 15 Tons
211 = 17 1/2 Tons
241 = 20 Tons
301 = 25 Tons

**Major Design Change**
F  =  Impack – Side by Side – Ft. Smith Only
B  =  Over/Under – Ft. Smith Only
G  =  Impack Plus – Side by Side – Ft. Smith Only

**Electrical Characteristics**
1  =  208-230/1/60
3  =  208-230/3/60
4  =  460/3/60

**Secondary Capacity And/Or Factory-Installed Options**
OO  =  No Heat, No Options
LO  =  Low Heating Capacity
MO  =  Medium Heating Capacity
HO  =  High Heating Capacity

**Minor Design Change**

**Service Digit - Not Orderable**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

TOC-11

Effective 1/1/13
14-1011-29

# American Standard
## HEATING & AIR CONDITIONING

# Model Nomenclature

## Packaged Units

| Y | H | C | 0 | 3 | 7 | E | 3 | R | Z | B | * | * | C | 0 | 0 | 0 | A | 1 | 0 | 0 | 0 | 0 | A | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |

**Digit 1 – Unit Type**
T = DX Cooling
Y = DX Cooling, Gas Heat

**Digit 2 – Efficiency**
H = High Efficiency

**Digit 3 – Airflow**
C = Convertible

**Digit 4,5,6 – Nominal Gross Cooling Capacity (MBh)**
037 = 3 Tons
047 = 4 Tons
067 = 5 Tons

**Digit 7 – Major Design Sequence**
E = R-410A Refrigerant

**Digit 8 – Voltage Selection**
3 = 208-230/60/3
4 = 460/60/3

**Digit 9 – Unit Controls**
R = ReliaTel™ Microprocessor

**Digit 10 – Heating Capacity**
0 = No Electric Heat        G = 18 kW (1&3 phase)
B = 6 kW (3 phase)          J = 23 kW (3 phase)
E = 12 kW (3 phase)
L = Low Heat
M = Medium Heat
H = High Heat
X = Low Heat, Stainless Steel Heat Exchanger
Y = Medium Heat, Stainless Steel Heat Exchanger
Z = High Heat, Stainless Steel Heat Exchanger

**Digit 11 – Minor Design Sequence**
A = First Sequence[16]

**Digit 12,13 – Service Sequence**
**Factory Assigned

**Digit 14 – Fresh Air Selection**
0 = No Fresh Air
A = Manual Outside Air Damper 0-50%[2]
B = Motorized Outside Air Damper 0-50%
C = Economizer, Dry Bulb 0-100% without Barometric Relief[5]
D = Economizer, Dry Bulb 0-100% with Barometric Relief[5]
E = Economizer, Reference Enthalpy 0-100% without Barometric Relief[5]
F = Economizer, Reference Enthalpy 0-100% with Barometric Relief[5]
G = Economizer, Comparative Enthalpy 0-100% without Barometric Relief[5]
H = Economizer, Comparative Enthalpy 0-100% with Barometric Relief[5]

**Digit 15 – Supply Fan/Drive Type/Motor**
0 = Standard Drive[4]
6 = Single Zone VAV

**Digit 16 – Hinged Service Access/Filters**
0 = Standard Panels/Standard Filters
A = Hinged Access Panels/Standard Filters
B = Standard Panels/2" MERV 7 Filters
C = Hinged Access Panels/2" MERV 7 Filters
D = Standard Panels/2" MERV 13 Filters
E = Hinged Access Panels/2" MERV 13 Filters

**Digit 17 – Condenser Coil Protection**
0 = Standard Coil
1 = Standard Coil with Hail Guard
2 = Black Epoxy Pre-Coated Condenser Coil
3 = Black Epoxy Pre-Coated Condenser Coil with Hail Guard
4 = Complete Coat™ Condenser Coil
5 = Complete Coat™ Condenser Coil with Hail Guard

**Digit 18 – Through the Base Provisions**
**Note:** *Applicable to Digit 1, T or Y models*
0 = No Through the Base Provisions
A = Through the Base Electric[6]
B = Through the Base Gas Piping[13]
C = Through the Base Electric and GasPiping[13]

**Digit 19 – Disconnect/Circuit Breaker (three - phase only)**
0 = No Disconnect/No Circuit Breaker
1 = Unit Mounted Non-Fused Disconnect[6]
2 = Unit Mounted Circuit Breaker[6]

**Digit 20 – Convenience Outlet**
0 = No Convenience Outlet
A = Unpowered Convenience Outlet
B = Powered Convenience Outlet (three-phase only)[7]

**Digit 21 – Communications Options**
0 = No Communications Interface
3 = Novar 2024 Controls
4 = Novar 3051 Controls without Zone Sensor
5 = Novar 3051 Controls Interface with DCV
6 = BACnet™ Communications Interface

**Digit 22 – Refrigeration System Option**
0 = Standard Refrigeration System[8]
B = Dehumidification Option[17]

**Digit 23 – Refrigeration Controls**
*Note: Applicable to Digit 7 = E*
0 = No Refrigeration Control[3]
1 = Frostat
2 = Crankcase Heater[1]
3 = Frostat and Crankcase Heater[1]

**Digit 24 – Smoke Detector[14]**
0 = No Smoke Detector
A = Return Air Smoke Detector[9][10]
B = Supply Air Smoke Detector
C = Supply and Return Air Smoke Detectors[9][10]

**Digit 25 – Monitoring Controls**
0 = No Monitoring Control[11]
1 = Clogged Filter Switch[11]
2 = Fan Failure Switch[11]
3 = Discharge Air Sensing Tube[11]
4 = Clogged Filter Switch and Fan Fail Switch[11]
5 = Clogged Filter Switch and Discharge Air Sensing Tube[11]
6 = Fan Fail Switch and Discharge Air Sensing Tube[11]
7 = Clogged Filter and Fan Fail Switches and Discharge Air Sensing Tube[11]
8 = Novar Return Air Sensor[12]
9 = Novar 3051 Zone Sensor[15]

---

[1] Standard on all variable stage units.
[2] Manual outside air damper will ship factory supplied within the unit, but must be field installed.
[3] High pressure control is standard on all units.
[4] Constant CFM direct drive is standard for 3-5 Ton variable stage units.

**Digit 15 = 0, 6**
3 Phase (3-5 ton) = High Efficiency Constant CFM

[5] Economizer with Barometric Relief is for downflow configured units only. Order Economizer without Barometric Relief for horizontal configuration. Barometric Relief for horizontal configured units must be ordered as field installed accessory.

[6] Through the base electric required when ordering disconnect/circuit breaker options.
[7] Requires use of Disconnect or Circuit Breaker.

**Not Available**
High Efficiency
3-5 ton w/Standard Indoor Motor w/460V

[8] Standard metering devices are TXVs.
[9] The return air smoke detector may not fit up or work properly on the Precedent units when used in conjunction with 3rd party accessories such as bolt on heat wheels, economizers and power exhaust. Do not order the return air smoke detectors when using this type of accessory.

[10] Return Air Smoke Detector cannot be ordered with Novar Controls.
[11] These options are standard when ordering Novar Controls.
[12] This option is used when ordering Novar Controls.
[13] Includes gas piping and shutoff (field assembly required).
[14] Not available with high temperature duct sensor accessory.
[15] Novar Sensor utilized with Digit 21 = (4) Novar 3051 Controls without Zone Sensor.
[16] Available for T/Y 3,4,5 ton high efficiency models.
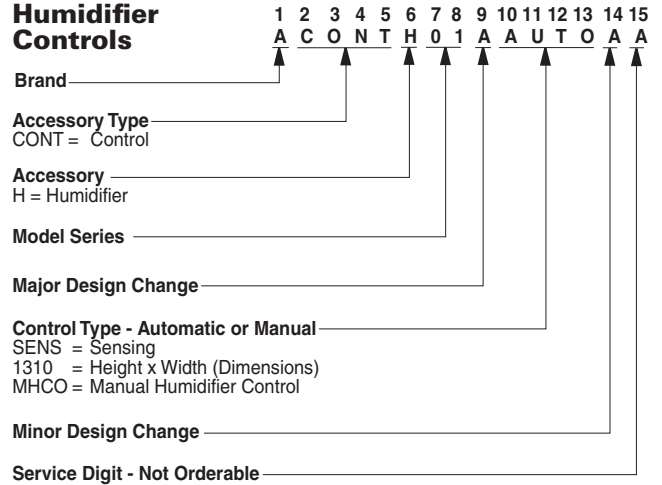[17] Requires selection of 2" Pleated Filters (option B or C) for Digit 16.

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For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
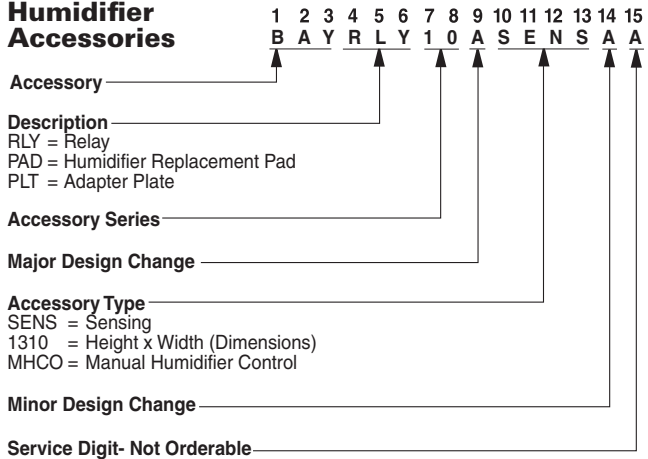14-1011-29

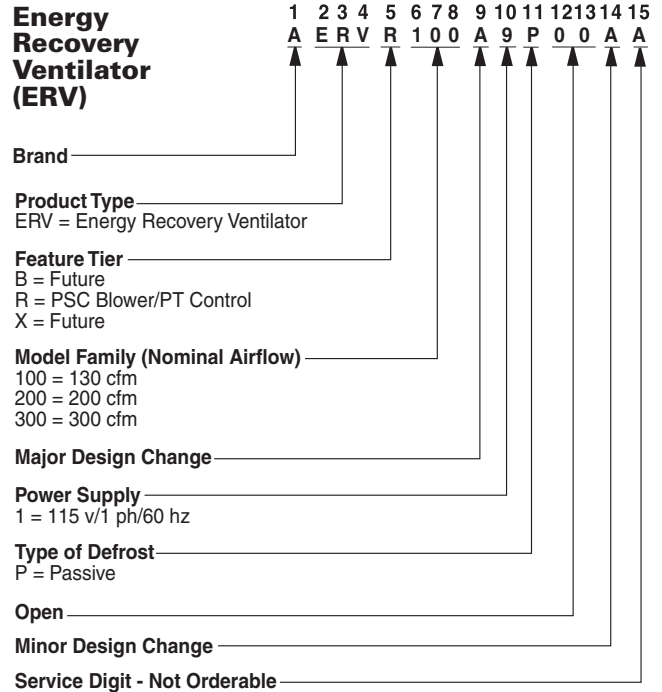# American Standard
### HEATING & AIR CONDITIONING

# Model Nomenclature

## Zone Controls

|1|2|3|4|5|6|7|8|9|10|11|12|13|14|15|
|A|Z|O|N|E|9|5|0|A|C|5|2|Z|A|A|

**Brand**
A = American Standard
Z = Unbranded

**Accessory Type**
CONT = Control (thermostat)
ZONE = Control (zoning)

**Model Series**

**Major Design Modifications**

**Control Platform**
M = Mechanical
N = Non-programmable Electronic (Digital Display)
F = Five/Two Programmable Electronic (Digital Display)
S = Seven Day Programmable Electronic (Digital Display)
C = Communicating
W = Wireless

**Heating Stages**

**Cooling Stages**

**Equipment Application**
A = AC / Heat (Gas or Electric)
G = AC / Heat (Gas)
E = AC / Heat (Electric)
H = Heat Pump
M = Multi-Application - AC / Heat (Gas/Elec) / Heat Pump
D = Dual Fuel, Heat Pump, or AC and Heat (Gas/Elec)
C = Communicating
Z = Zoning - Universal application - 3 wire Communicating zone control of AC or Heat (Gas/Elec) and Dual Fuel Heat Pump
U = Universal Application - Communicating Control of AC/Heat (Gas/Elec) / Dual Fuel Heat Pump

**Minor Design Change**

**Service Digit**

## Zone Dampers

|1|2|3|4|5|6|7|8|9|10|11|12|13|14|15|
|Z|D|A|M|P|R|D|M|A|0|0|1|2|A|A|

**Brand**
Z = Zoning

**Damper**

**Model Series**
RD = Round
RR = Retro-Fit Round
SM = Side Mount Rectangular
BM = Bottom Mount Rectangular

**Modulating Damper** (24 Volt, 60 Sec. Timing)

**Major Design Modifications**

**Dimensions**
0012 = 12" Round
1014 = 10" X 14" Rectangular (motor mounted on 2nd dimension)

**Minor Design Change**

**Service Digit**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

## Indoor Gas Heating Units

A  B  N  D  0  0  3  A  A  F  1  0  0  0  0  +
1  2  3  4  5  6  7  8  9  10 11 12 13 14 15

**Gas Heating Equipment (Digit 1)**

**Product Type (Digit 2)**
T = Propeller Fan / Tubular Heat Exchanger
A = Separated Combustion Propeller
    Fan Unit Heater
B = High Efficiency Centrifugal Fan Unit Heater
L = High Efficiency Indoor Duct Furnace
H = High Efficiency Propeller Fan Unit Heater
K = Separated Combustion Centrifugal Fan
    Unit Heater
M = Separated Combustion Indoor Duct Furnace

**Fuel (Digit 3)**
N = Natural Gas   P = LP Gas (Propane)

**Development Sequence (Digit 4)**
D = Fourth Generation

**Input Capacity in 1000's (MBh) (Digit 5-7)**
Single Furnace
003[a] = 30 MBh    015 = 150 MBh
004[a] = 45 MBh    017 = 175 MBh
006[a] = 60 MBh    020 = 200 MBh
007[a] = 75 MBh    022 = 225 MBh
009  = 90 MBh      025 = 250 MBh
010[b] = 100 MBh   030 = 300 MBh
012[b] = 125 MBh   035 = 350 MBh
011[c] = 105 MBh   040 = 400 MBh
120[c] = 120 MBh
[a] Not available for high efficiency propeller fan.
[b] Not available for tubular.
[c] Available for tubular only.

**Main Power Supply (Digit 8)**
A = 115/60/1      B = 230/60/1
C = 208/60/3      D = 230/60/3
E = 460/60/3      F = 575/60/3

**Gas Control Option (Digit 9)**
D = Single-Stage, Intermittent Pilot Ignition
E = Two-Stage, Intermittent Pilot Ignition
H = Electronic Modulating with Room T-Stat, Intermittent Pilot Ignition
J = Electronic Modulating with Duct-Stat, Intermittent Pilot Ignition
L = Electronic Modulating with External 4-20 mA Input
N = Electronic Modulating with External 0 -10 VDC Input
T = Single - Stage Direct Spark Ignition
V = Two-Stage, Direct Spark Ignition

**Design Sequence (Digit 10)**
G= Seventh Design

**Heat Exchanger Material (Digit 11)**
1 = Aluminized Steel        2 = #409 Stainless Steel[2]
3 = #321 Stainless Steel[3]

**Miscellaneous Options — All Units (Digit 15)**
0 = None
A = #409 Stainless Steel Burners[3]
B = Orifice for Elevation above 2000 ft (specify elevation)

**Propeller Fan Unit Heater (Hi-Effic.)**
C = #409 Stainless Steel Draft Diverter    D = Summer-Winter Switch    7 = OSHA Fan Guard
E = Vertical Louvers                        J = Totally Enclosed Motor
**Centrifugal Fan Unit Heater (Hi- Effic.)**
C = #409 Stainless Steel Draft Diverter    D = Summer-Winter Switch    J = Totally Enclosed Motor
E = Vertical Louvers                        H = Duct Discharge Flange
**Duct Furnace (Indoor) (Hi-Effic.)**
C = #409 Stainless Steel Draft Diverter    D = Summer-Winter Switch
F = Horizontal Louvers                      G = Horizontal & Vertical Louvers
K = Side Access Burner Drawer (Left Hand)*
L = Fan Time Delay Control
M = Side Access Burner Drawer (Right Hand)*
**Separated Combustion Indoor Duct Furnace**
C = #409 Stainless Steel Draft Diverter    D = Summer-Winter Switch
F = Horizontal Louvers                      G = Horizontal & Vertical Louvers
**Tubular Heat Exchanger, Propeller Type**
J = Totally Enclosed Motor                  7 = OSHA Fan Guard

**Notes:**
[1] All units are AGA approved. For CGA approved units, contact Macon Product Support.
    (1-877-78-Trane, Prompts 4, 1, 1, 1)
[2] Available on the tubular sizes 100-400 only.
[3] Not available for tubular.
*The left or right hand side of the side access burner drawer, options K & M, is determined by facing the air
outlet side of the duct furnace.

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

TOC-14

Effective 1/1/13
14-1011-29

*American Standard*
HEATING & AIR CONDITIONING

# AccuLink™ Control

## Schlage LiNK™ is now NEXIA™ Home Intelligence

**AZTSK500BB32MA**
- American Standard AccuLink™ Control Kit
- Includes AZEMT500BB32MA control, NEXIA™ Bridge, and RP100BX Home Appliance Module
- Remote access to control from computers connected to internet and compatible web enabled mobile devices including Android™, Blackberry™, iPhone™ and many other web enabled phones
- Air conditioning and heating energy management
- Easy Installation and Set-Up
- Expandable for home management

**AZTSK500BB32MA**

**AZEMT500BB32MAA**
- 24 Vac, Z Wave enabled control
- Compatible with NEXIA™
- 7 day programmable, 4 schedules per day, may be scheduled from web or control
- Remotely adjust control and view temperature from computers connected to internet and compatible web enabled mobile devices including Android™, Blackberry™, iPhone™ and many other web enabled phones
- Requires NEXIA™ Bridge and Home Appliance Module for remote access
- Service fee required for remote access
- Control Recovery
- Remote Sensing
- Dual Fuel Control
- Built in humidity sensor
- Cooling Droop
- Smart Continuous Fan
- Enhanced dehumidification with variable speed indoor products
- Filter service reminder alert
- Maintenance reminder alert
- Out of Range Temperature alert
- Keypad tamper alert
- Alerts may be sent by e-mail and/or text to mobile device
- Limited Five Year Parts Warranty
- Registered Ten Year Parts Warranty

**AZEMT500BB32MA**

**NEXIA™**
HOME INTELLIGENCE

**Application:**
- 3 Heat/2 Cool for Heat Pump
- 2 Heat/2 Cool for Gas Electric See AZEMT500BB32MA for details
- Use with additional AZEMT500BB32MA control
- Use with additional RP200R light module and RP100BX Home Appliance Module
- Use with Home Keypad Deadbolt and Home Keypad Lever Locks
- Up to 231 devices may be wirelessly connected to one NEXIA™ Bridge

**Dimensions:**
- Control:  5.7" W x 4.0" H x 1.2" D LCD display 2.75" W x 1.5" H
- Shipping Weight: 2.35 lbs.

**Application:**
- 3 Heat/2 Cool for Heat Pump
- 2 Heat/2 Cool for Gas Electric
- 7 day programmable, 4 schedules per day
- Used with NEXIA™ Bridge and Home Appliance Module, included in AZTSK500BB32MA kit

**Compatible Systems**
- Gas/Oil Furnace
- Air Handler/Electric Furnace
- Heat Pump systems
- Cooling systems

**May be Compatible**
- Conventional Boilers
- Geothermal
- 24 Vac Forced Air Multi Zone Systems

**Not Compatible**
- Radiant Floor
- 120/240 Volt Electric Baseboard Heat
- Wall Heating systems
- Proprietary Communicating Systems

**Dimensions:**
- 5.7" W x 4.0" H x 1.2" D
- LCD display 2.75" W x 1.5" H
- Shipping Weight: 1 lb.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CHS-1

Effective 1/1/13
14-1011-29

**Connected Home Solutions**

*American Standard* ®
HEATING & AIR CONDITIONING

# NEXIA™ Accessories
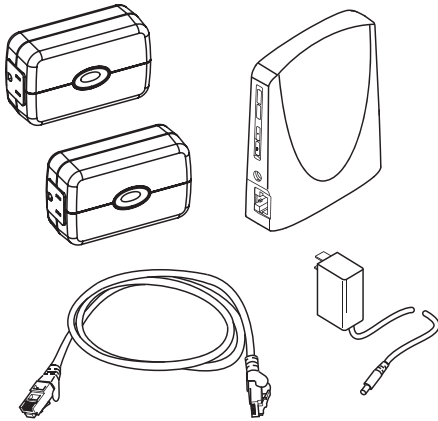
**SZLSK100AA**
- Home Automation Kit
- Includes NEXIA™ Z-Wave to broadband bridge, two RP100BX home appliance modules, ethernet cable, and power supply
- Remote appliance control from any PC with internet access and most internet enabled devices and smart phones
- Secure Connection with server for homeowner protection
- Easy Installation and Set-Up

**SZLSK100AA**

**Application:**
- Use with AZEMT500BB32MA
- Use with additional RP200R light module and RP100BX Home Appliance Module
- Use with NEXIA™ Home Keypad Deadbolt and Home Keypad Lever Locks

**Dimensions:**
- NEXIA™ Bridge:
  4.0" W x 4.8" H x 1.4" D
  Home Appliance Module:
  4.0" W x 2.4" H x 1.6" D
- Shipping Weight: 2 lbs.
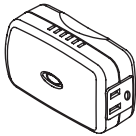
**RP200R**
- Signal Repeater and Dimmer Light Module
- Used to control and dim plug-in incandescent lighting

**RP200R**

**Application:**
- Use with NEXIA™ Bridge (bridge included in AZTSK500BB32MA and SZLSK100AA kits)
- Max load both outlets = 15 Amps, 1800 Watt resistive
- Max load Z Wave controlled outlet = 300 Watts incandescent only
- Shipping Weight:1 lb.
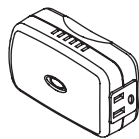
**RP100BX**
- Signal Repeater and Home Appliance Module
- Used to control small appliances and plug-in incandescent, fluorescent, and LED lighting. On/Off control
- May be used to control/reduce standby loss from plug-in power supplies and small electronic loads

**RP100BX**

**Application:**
- Use with NEXIA™ Bridge (bridge included in AZTSK500BB32MA and SZLSK100AA kits)
- Max load both outlets = 15 Amps, 1800 Watt resistive
- Max load Z Wave controlled outlet = 600 Watts incandescent, 1/2 HP, 1800 Watt resistive
- Shipping Weight:1 lb.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# NEXIA™ Accessories
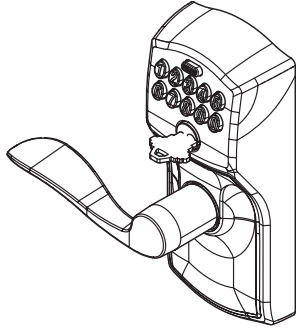
**BAY599BBALLFEA**
**BAY599SNALLFEA**
**BAY599ABALLFEA**

## BAY599 (Lever Lock)
- Wireless Home Keypad Locks can be added to a the Z-Wave network within your home
- Remotely lock or unlock the door from computers connected to internet and compatible web enabled mobile devices including Android™, Blackberry™, iPhone™ and many other web enabled phones
- Confirm lock status from internet enabled computer or web enabled mobile device
- Assign up to 19 personalized 4 digit codes for each member of your household
- Up to 3 year battery life
- Provides battery level status at the lock and on the web
- Available in 3 finishes: Bright Brass, Satin Nickel, Aged Bronze
- Class 2 rated door lock
- Lifetime limited mechanical and finish warranty
- 1-year limited electronics warranty

**Model number and finish:**
- BAY599BBALLFEA - Bright Brass
  BAY599SNALLFEA - Satin Nickel
  BAY599ABALLFEA - Aged Bronze

**Application:**
- Use with NEXIA™ Bridge (included in AZTSK500BB32MA kit)
- Carton Size: 6" x 7.75" x 9.56"
- Shipping Weight: 5.5 lbs.
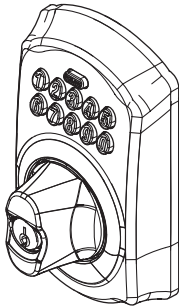
**BAY369BBADBBEA**
**BAY369SNADBBEA**
**BAY369ABADBBEA**

## BAY369 (Deadbolt)
- Wireless Home Keypad Deadbolt Locks can be added to the Z-Wave network within your home
- Remotely lock or unlock the door from computers connected to internet and compatible web enabled mobile devices including Android™, Blackberry™, iPhone™ and many other web enabled phones
- Confirm lock status from internet enabled computer or web enabled mobile device
- Assign up to 19 personalized 4 digit codes for each member of your household
- Up to 3 year battery life
- Provides battery level status at the lock and on the web
- Available in 3 finishes: Bright Brass, Satin Nickel, Aged Bronze
- Class 2 rated door lock
- Lifetime limited mechanical and finish warranty
- 1-year limited electronics warranty

**Model number and finish:**
- BAY369BBADBBEA - Bright Brass
  BAY369SNADBBEA - Satin Nickel
  BAY369ABADBBEA - Aged Bronze

**Application:**
- Use with NEXIA™ Bridge (included in AZTSK500BB32MA kit)
- Carton Size: 5.75" x 7.93" x 8.5"
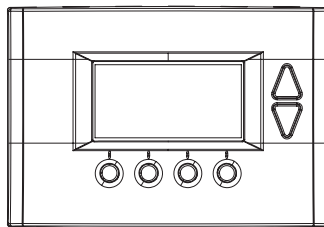- Shipping Weight: 6 lbs.

*For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.*

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HEATING & AIR CONDITIONING

# NEXIA™ Accessories
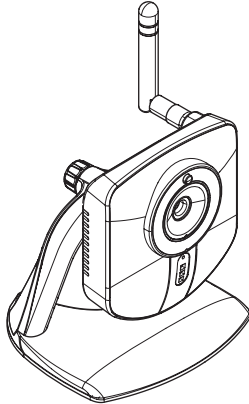
## WCW100NNSL

- NEXIA™ Web Camera - Wireless
- Indoor, fixed camera (power supply included)
- Remotely monitor your home from any PC with internet access and most internet enabled devices and smart phones
- Secure Connection with server for homeowner protection
- Plug and Play with System
- Privacy button

**Application:**
- VGA (640x480) resolution
- Operating Temp -5C to 50C
- Wireless
  - 802.11b/g
  - WEP 64/128, WPA-PSK, WPA2

**Dimensions:**
- 3.8" W x 3.5" H x 1.4" D
- Shipping Weight: 1 lb
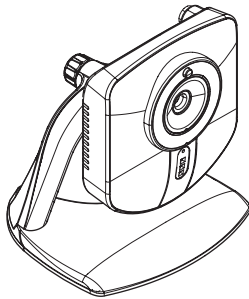
**WCW100NNSL**

## WCE100NNSL
- NEXIA™ Web Camera - Wired
- Indoor, fixed camera (power supply included)
- Remotely monitor your home from any PC with internet access and most internet enabled cell phones
- Secure Connection with server for homeowner protection
- Plug and Play with System
- Privacy button

**Application:**
- VGA (640x480) resolution
- Operating Temp -5C to 50C

**Dimensions:**
- 3.8" W x 3.5" H x 1.4" D
- Shipping Weight: 1 lb
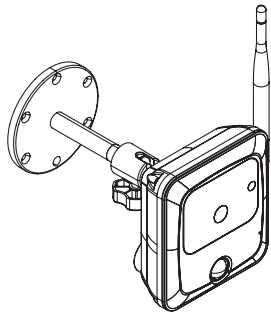
**WCE100NNSL**

## WCO100NXNNSL
- NEXIA™ Web Camera - Wireless
- Outdoor, fixed camera (power supply included)
- Remotely monitor your home from any PC with internet access and most internet enabled cell phones
- Secure Connection with server for homeowner protection
- Plug and Play with System
- Privacy button

**Application:**
- VGA (640x480) resolution
- Operating Temp -10C to 45C
- Wireless
- 802.11b/g
- WEP 64/128, WPA-PSK, WPA2

**Dimensions:**
- 1.5" W x 3.7" H x 4.1" D
- Shipping Weight: 2 lbs

**WCO100NXNNSL**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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HEATING & AIR CONDITIONING

# NEXIA™ Sensors
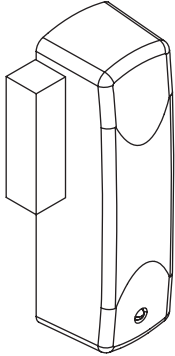
**RS100HCVNNSL**

- Door / Window Sensor
- Check in to see if the doors and windows are closed at night
- Set NEXIA™ to notify you when doors or windows have been opened in the home
- Set NEXIA™ to change the temperature inside the home when windows have been opened or closed
- Simple installation and set up - easy to non do-it-yourselfers
- Up to 3 year battery life for normal usage, no wiring required
- For indoor use
- White and brown cover available to match your door or window

**Application:**

- Use with NEXIA™ Bridge (bridge included in AZTSK500BB32MA and SZLSK100AA kits)
- Operating Temp -0°C to 49°C
- Range: 60 ft
- Operating frequency: 908.41 MHz

**Dimensions:**

- 3.5"W x 1.75"H x 1"D
- Shipping weight: 1 lb
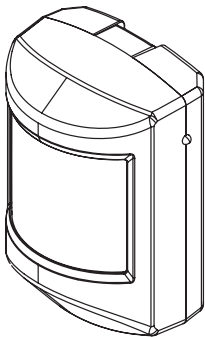
**RS100HCVNNSL**

**RS200HCVNNSL**

- Motion Sensor
- Text or e-mail alert when activity is detected
- Set to record short video when activity is present
- Set up to turn on lights when there is activity present
- Simple installation and set up
- Up to 3 year battery life
- For indoor use

**Application:**

- Use with NEXIA™ Bridge (bridge included in AZTSK500BB32MA and SZLSK100AA kits)
- Operating Temp -0°C to 49°C
- Range: 60 ft
- Detection area: 20' * 39' (radial distance)
- Detection angle: 90 degrees
- Operating frequency: 908.41 MHz
- Pet immunity: Set at approx. 50 lbs / 22.7 kg. This can be disabled.

**Dimensions:**

- 3.5"W x 2.5"H x 2"D
- Shipping weight: 1 lb

**RS200HCVNNSL**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Connected Home Solutions

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# Remote Sensors
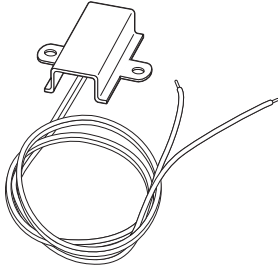
## BAYSEN01ATEMPA

- Outdoor Temperature Sensor for Use with AZEMT500BB Controls
- Accuracy
  +/– 1.5°F over 32°F to 100°F
- Display Range
  -40°F to 140°F
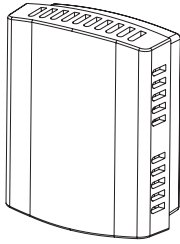
## ZZSENSAL0400AA

- Indoor Sensor for Use with AZEMT500BB Controls
- Operating Ambient Temperature Range: 20° to 120°F (-6.7° to 48.9°C)
- Display Range: 20° to 120°F (-6.7° to 48.9°C)
- Sensor Accuracy: +/–.5°F at 75°F
- Operating Relative Humidity: 5% to 90% non-condensing

**Dimensions in in. (mm):**
- 1.54 (39)w x 1.93 (49)h x .625 (1.6)d
- Storage Temperature:  -40° to 140°F (-40° to 60°C)
- Finish: White

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CHS-6

Effective 1/1/13
14-1011-29

HEATING & AIR CONDITIONING

# Split System Cooling
# Single Phase – 1½-5 Tons
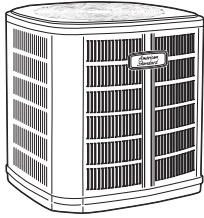
**Platinum ZM (4A7Z0)**

### Table SC-1-A — Platinum ZM Split System Cooling (Previously Allegiance 20) — with AccuLink™①②③

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) H | W | D | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4A7Z0024A1000C | 200/230/1/60 | 24,000 | 45 | 37 | 34 | 375 | 68 | 14 | 20 | 3/4 | 3/8 |
| 4A7Z0036B1000A | 200/230/1/60 | 36,000 | 45 | 37 | 34 | 375 | 72 | 19 | 30 | 3/4 | 3/8 |
| 4A7Z0048B1000A | 200/230/1/60 | 48,000 | 45 | 37 | 34 | 460 | 76 | 26 | 40 | 7/8 | 3/8 |
| 4A7Z0060A1000C | 200/230/1/60 | 60,000 | 45 | 37 | 34 | 460 | 76 | 31 | 50 | 7/8 | 3/8 |
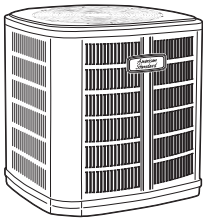
**Platinum XM (4A7A6)**

### Table SC-1-B — Platinum XM Split System Cooling (Previously Allegiance 16)

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) H | W | D | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size (in) OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4A7A6024G1000A | 230/1/60 | 24,000 | 41 | 37 | 34 | 276 | 72 | 18 | 20 | 5/8 | 3/8 |
| 4A7A6036G1000A | 230/1/60 | 36,000 | 45 | 37 | 34 | 283 | 72 | 24 | 35 | 3/4 | 3/8 |
| 4A7A6048G1000A | 230/1/60 | 48,000 | 45 | 37 | 34 | 308 | 73 | 27 | 45 | 7/8 | 3/8 |
| 4A7A6060E1000A | 230/1/60 | 60,000 | 45 | 37 | 34 | 312 | 74 | 37 | 60 | 1 1/8 | 3/8 |
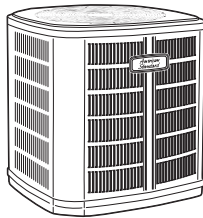
**Gold XI (4A7A5)**

### Table SC-1-C — Gold XI Split System Cooling (Previously Allegiance 15)

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) H | W | D | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4A7A5018E1000A | 208/230/1/60 | 18,000 | 29 | 33 | 30 | 200 | 75 | 9 | 15 | 5/8 | 3/8 |
| 4A7A5024E1000A | 208/230/1/60 | 24,000 | 29 | 33 | 30 | 201 | 75 | 9 | 15 | 3/4 | 3/8 |
| 4A7A5030E1000A | 208/230/1/60 | 30,000 | 33 | 37 | 34 | 234 | 75 | 12 | 20 | 3/4 | 3/8 |
| 4A7A5036E1000A | 208/230/1/60 | 36,000 | 37 | 37 | 34 | 228 | 75 | 19 | 30 | 3/4 | 3/8 |
| 4A7A5042E1000A | 208/230/1/60 | 42,000 | 41 | 37 | 34 | 272 | 75 | 23 | 40 | 7/8 | 3/8 |
| 4A7A5048E1000A | 208/230/1/60 | 48,000 | 45 | 37 | 34 | 282 | 75 | 26 | 45 | 7/8 | 3/8 |
| 4A7A5049E1000B | 208/230/1/60 | 48,000 | 45 | 37 | 34 | 304 | 74 | 26 | 45 | 7/8 | 3/8 |
| 4A7A5060E1000A | 208/230/1/60 | 60,000 | 45 | 37 | 34 | 285 | 75 | 34 | 60 | 7/8 | 3/8 |
| 4A7A5061E1000B④ | 230/1/60 | 60,000 | 45 | 37 | 34 | 312 | 75 | 39 | 60 | 1 1/8 | 3/8 |

① Must use ACONT900 or AZONE950 control with communicating systems.
② BAYACHP024A required for 24 volt mode.
③ Because of limited capabilities, please refer to the product ratings for approved combinations.
④ 1 compressor, 2 stages.
* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
** Rated in accordance with AHRI Standard 270-2008.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Split System Cooling
# Single Phase – 1½-5 Tons

**Table SC-2-A — Features**

| | 20 (4A7Z0) | 16 (4A7A6) | 15 (4A7A5) |
|---|---|---|---|
| • SEER up to ................................................. | 20.00 | 18.00 | 17.00 |
| • **Duration™** compressor.......................................... | 2 | 1 | ✔ |
| • Number of stages................................................ | 2 | 2 | 1 |
| • **Comfort-R™** mode approved.................................... | ✔ | ✔ | ✔ |
| • **AccuLink™** system............................................... | ✔ | — | — |
| • **Charge Assist™** fast/accurate charging every time .......... | ✔ | — | — |
| • **DuraBase™** base, fast complete drain, weatherproof ......... | ✔ | ✔ | ✔ |
| • **Easy-Sess™** cabinet, service access............................ | ✔ | ✔ | ✔ |
| • **Spine Fin™** coil ................................................. | ✔ | ✔ | ✔ |
| • Compressor sound enclosure ................................... | ✔ | — | 018-048,060 |
| • Compressor sump heat - factory installed ..................... | ✔ | — | — |
| • Factory supplied charge ......................................... | R-410A | R-410A | R-410A |
| • Glossy corrosion resistant finish ............................... | ✔ | ✔ | ✔ |
| • High pressure switch.............................................. | ✔ | ✔ | ✔ |
| • Low pressure switch............................................... | ✔ | ✔ | — |
| • Internal high / low pressure & temperature protection ......... | ✔ | ✔ | ✔ |
| • Liquid line filter drier - factory installed....................... | ✔ | ✔ | ✔ |
| • Quick start kit-factory installed ................................ | ✔ | — | 018-030 |
| • Seacoast shield - factory installed ............................. | ✔ | ✔ | ✔ |
| • Spinnaker gray cabinet............................................ | ✔ | ✔ | ✔ |
| • **12-year registered limited warranty on compressor,10-year on outdoor coil & all other functional parts (Residential Use)**[1] ............................... | ✔ | ✔ | — |
| • **10-year registered limited warranty on compressor, outdoor coil & all other functional parts (Residential Use)**[1] .......... | — | — | ✔ |
| • **Extended warranties available** ................................ | ✔ | ✔ | ✔ |

**Table SC-2-B — Optional Accessories**

| Model Number | Description | Shipping Weight | | | |
|---|---|---|---|---|---|
| AY28X079..................... | Evaporator defrost control ........................................1 ......................... | | — | — | ✔ |
| BAYACHP024A.............. | 24 Volt Wiring Harness .............................................1 ......................... | | ✔ | — | — |
| BAYCAKT001................ | **Charge Assist™** Solenoid Kit .........................................3 ......................... | | ✔ | — | — |
| BAYCCHT300 .............. | Crankcase Heater Kit (Reciprocating)..............................1 ......................... | | — | — | 1½-2½ |
| BAYCCHT301 .............. | Crankcase Heater Kit (Scroll)......................................1 ......................... | | — | ✔ | 3½-5 |
| BAYCCHT302 .............. | Crankcase Heater Kit (Scroll)......................................1 ......................... | | — | — | 3 |
| BAYECMT023 .............. | Extreme Conditions Mounting Kit (Base 2/3) .....................2 ......................... | | — | — | 1½-2 |
| BAYECMT004 .............. | Extreme Conditions Mounting Kit (Base 4) ......................2 ......................... | | ✔ | ✔ | 2½-5 |
| BAYISLT101 ................. | Rubber Isolators .....................................................1 ......................... | | ✔ | ✔ | ✔ |
| BAYKSKT260................ | Start kit (Scroll).....................................................1 ......................... | | — | ✔ | 036-061 |
| BAYLEGS002................ | Snow Legs - Base and Cap 6" High (Black)......................1 ......................... | | ✔ | ✔ | ✔ |
| BAYLEGS003................ | 4" Extension (Black) ................................................1 ......................... | | ✔ | ✔ | ✔ |
| TAYASCT501A[2][3] ....... | Anti-Short Cycle Timer ............................................2 ......................... | | ✔ | ✔ | ✔ |
| PAI00309[4]................... | Heresite Spraypaint.................................................1 ......................... | | ✔ | ✔ | ✔ |

**Comfort Controls — See Comfort Controls/Zone Sensors Section**

[1] Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.
[2] Not for use with programmable thermostats.
[3] Activated on power off.
[4] Used for additional seacoast corrosion protection. Refer to bulletin number UN-SVB11A-EN for application information.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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**Gold SI (4A7A3)**

# Split System Cooling
# Single Phase – 1½-5 Tons
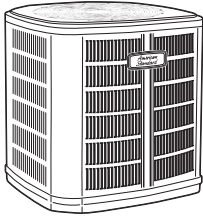
**Table SC-3-A— Gold SI Split System Cooling (Previously Allegiance 13)**

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) H | W | D | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4A7A3018G1000A | 200/230/1/60 | 17,000 | 29 | 33 | 30 | 167 | 70 | 12 | 20 | $^5/_8$ | $^3/_8$ |
| 4A7A3024G1000A | 200/230/1/60 | 23,000 | 29 | 33 | 30 | 169 | 71 | 17 | 25 | $^5/_8$ | $^3/_8$ |
| 4A7A3030G1000A | 200/230/1/60 | 28,500 | 29 | 33 | 30 | 180 | 71 | 19 | 30 | $^3/_4$ | $^3/_8$ |
| 4A7A3036E1000A | 208/230/1/60 | 34,500 | 33 | 33 | 30 | 197 | 71 | 22 | 35 | $^3/_4$ | $^3/_8$ |
| 4A7A3042D1000A | 208/230/1/60 | 40,500 | 29 | 37 | 34 | 228 | 74 | 26 | 45 | $^3/_4$ | $^3/_8$ |
| 4A7A3048D1000A | 208/230/1/60 | 46,500 | 29 | 37 | 34 | 235 | 75 | 28 | 50 | $^7/_8$ | $^3/_8$ |
| 4A7A3060D1000A | 208/230/1/60 | 58,500 | 37 | 37 | 34 | 261 | 75 | 35 | 60 | $^7/_8$ | $^3/_8$ |
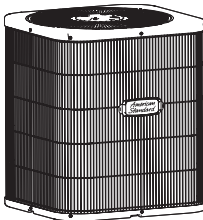


**Silver SI (4TTM3)**

**Table SC-3-B — Silver SI Split System Cooling (Previously 4A7M3)**

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) H | W | D | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size (in) OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4TTM3018A1000C | 200/230/1/60 | 18,000 | 29 | 25½ | 23½ | 177 | 78 | 10 | 15 | $^5/_8$ | $^3/_8$ |
| 4TTM3024A1000C | 200/230/1/60 | 24,000 | 29 | 25½ | 23½ | 180 | 78 | 12 | 15 | $^5/_8$ | $^3/_8$ |
| 4TTM3030A1000C | 200/230/1/60 | 29,400 | 29 | 25½ | 23½ | 181 | 78 | 16 | 25 | $^3/_4$ | $^3/_8$ |
| 4TTM3036A1000C | 200/230/1/60 | 34,400 | 29 | 25½ | 23½ | 184 | 78 | 18 | 30 | $^3/_4$ | $^3/_8$ |
| 4TTM3042A1000C | 200/230/1/60 | 42,000 | 29 | 29 | 28½ | 190 | 79 | 27 | 45 | $^7/_8$ | $^3/_8$ |
| 4TTM3048A1000C | 200/230/1/60 | 47,000 | 29 | 29 | 28½ | 191 | 79 | 29 | 50 | $^7/_8$ | $^3/_8$ |
| 4TTM3060A1000C | 200/230/1/60 | 58,000 | 29 | 29 | 28½ | 194 | 79 | 35 | 60 | $^7/_8$ | $^3/_8$ |

① 1 compressor, 2 stages.
* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
** Rated in accordance with AHRI Standard 270-2008.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

SC-3

Effective 1/1/13
14-1011-29

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# Split System Cooling
# Single Phase – 1½-5 Tons

## Table SC-4-A — Features

| Feature | (4A7A3) | (4TTM3) |
|---|---|---|
| • SEER up to .............................................................................................................................. | 16.00 | 14.75 |
| • **Duration™** compressor.................................................................................................................. | ✔ | 14.75 |
| • **Comfort-R™** mode approved......................................................................................................... | ✔ | ✔ |
| • **DuraBase™** base, fast complete drain, weatherproof .................................................................. | ✔ | — |
| • **Easy-Sess** cabinet, service access & refrigerant connections with full coil protection.............. | ✔ | — |
| • **Spine Fin™** coil............................................................................................................................ | ✔ | — |
| • **Duration™** coil ............................................................................................................................ | — | ✔ |
| • Quick start kit-factory installed ...................................................................................................... | 1½-3,5 | 1½-3,5 |
| • Factory supplied charge .................................................................................................................. | R-410A | R-410A |
| • Glossy corrosion resistant finish .................................................................................................... | ✔ | ✔ |
| • High pressure switch....................................................................................................................... | ✔ | ✔ |
| • Internal high / low pressure & temperature protection ................................................................... | ✔ | ✔ |
| • Liquid line filter drier - factory installed........................................................................................... | ✔ | — |
| • Liquid line filter drier - factory supplied for field install ................................................................. | — | ✔ |
| • Sound enclosure ............................................................................................................................. | 1½-2 | — |
| • Spinnaker gray cabinet.................................................................................................................... | ✔ | — |
| • Tarpolin gray cabinet ...................................................................................................................... | — | ✔ |
| • **10-year registered limited warranty on compressor, outdoor coil & all other functional parts (Residential Use)**③ ................................................................................... | ✔ | ✔ |
| • **Extended warranties available** ................................................................................................... | ✔ | ✔ |

## Table SC-4-B — Optional Accessories

| Model Number | Description | Shipping Weight | | (4A7A3) | (4TTM3) |
|---|---|---|---|---|---|
| AY28X079 | Evaporator defrost control kit | 1 | | ✔ | ✔ |
| BAYCCHT300 | Crankcase Heater (Reciprocating) | 1 | | 1½-3 | 1½-3 |
| BAYECMT023 | Extreme Conditions Mounting Kit (Base 2/3) | 2 | | 1½-3 | — |
| BAYECMT004 | Extreme Conditions Mounting Kit (Base 4) | 2 | | 3½-5 | — |
| BAYECMT021 | Extreme Conditions Mounting Kit | | | — | ✔ |
| BAYISLT101 | Rubber isolators | 1 | | ✔ | ✔ |
| BAYKSKT260 | Start kit (Scroll) | 1 | | 3½-4 | — |
| BAYKSKT263 | Start kit | 1 | | — | 3½-4 |
| BAYLEGS002 | Snow Legs - Base and Cap 6" High (Black) | 1 | | ✔ | — |
| BAYLEGS003 | 4" Extension (Black) | 1 | | ✔ | — |
| BAYLOAM103 | Low Ambient Kit | 1 | | ✔ | ✔④ |
| BAYSEAC001 | Seacoast Kit | 1 | | ✔ | — |
| TAYASCT501A①② | Anti-Short Cycle Timer | 2 | | ✔ | — |
| PAI00309⑤ | Heresite Spraypaint | 1 | | ✔ | — |

## Comfort Controls — See Comfort Controls/Zone Sensors Section

① Not for use with programmable thermostats.
② Activated on Power Off.
③ Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.
④ For applications requiring BAYLOAM103, an 8x8 weather proof electrical enclosure is required in order to locate the low ambient controller external to the unit.
⑤ Used for additional seacoast corrosion protection. Refer to bulletin number UN-SVB11A-EN for application information.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Split System Cooling
# Single Phase – 1½-5 Tons

**Silver XI (4TTB4)**

**Table SC-5-A — Silver XI Split System Cooling (Previously 4A7B4)**

| Model Number | Power Suppy | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) | | | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size (in) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | H | W | D | | | | | OD Gas | OD Liq. |
| 4TTB4018E1000C | 208/230/1/60 | 18,000 | 29 | 33 | 30 | 200 | 79 | 9 | 15 | $5/8$ | $3/8$ |
| 4TTB4024E1000C | 208/230/1/60 | 24,000 | 29 | 33 | 30 | 201 | 79 | 9 | 15 | $3/4$ | $3/8$ |
| 4TTB4030E1000C | 208/230/1/60 | 30,000 | 33 | 37 | 34 | 234 | 80 | 15 | 25 | $3/4$ | $3/8$ |
| 4TTB4036E1000B | 208/230/1/60 | 36,000 | 37 | 37 | 34 | 228 | 78 | 19 | 30 | $3/4$ | $3/8$ |
| 4TTB4042E1000B | 208/230/1/60 | 42,000 | 41 | 37 | 34 | 272 | 80 | 23 | 40 | $7/8$ | $3/8$ |
| 4TTB4048E1000B | 208/230/1/60 | 48,000 | 45 | 37 | 34 | 282 | 80 | 26 | 45 | $7/8$ | $3/8$ |
| 4TTB4049E1000C | 208/230/1/60 | 48,000 | 45 | 37 | 34 | 304 | 76 | 26 | 45 | $7/8$ | $3/8$ |
| 4TTB4060E1000B | 208/230/1/60 | 60,000 | 45 | 37 | 34 | 285 | 80 | 34 | 60 | $7/8$ | $3/8$ |
| 4TTB4061E1000B① | 230/1/60 | 60,000 | 45 | 37 | 34 | 312 | 76 | 39 | 60 | $1 1/8$ | $3/8$ |
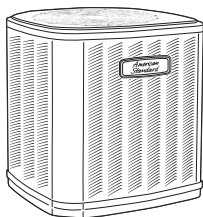
**Silver SI (4TTB3)**

**Table SC-5-B — Silver SI Split System Cooling (Previously 4A7B3)**

| Model Number | Power Suppy | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) | | | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size (in) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | H | W | D | | | | | OD Gas | OD Liq. |
| 4TTB3018G1000A | 208/230/1/60 | 17,000 | 29 | 33 | 30 | 167 | 78 | 12 | 20 | $5/8$ | $3/8$ |
| 4TTB3024G1000A | 208/230/1/60 | 23,000 | 29 | 33 | 30 | 169 | 78 | 17 | 25 | $5/8$ | $3/8$ |
| 4TTB3030G1000B | 208/230/1/60 | 28,500 | 29 | 33 | 30 | 180 | 78 | 19 | 30 | $3/4$ | $3/8$ |
| 4TTB3036E1000B | 208/230/1/60 | 34,500 | 29 | 33 | 30 | 186 | 74 | 20 | 35 | $3/4$ | $3/8$ |
| 4TTB3042D1000C | 200/230/1/60 | 40,500 | 29 | 37 | 34 | 228 | 79 | 26 | 45 | $3/4$ | $3/8$ |
| 4TTB3048D1000C | 200/230/1/60 | 46,500 | 29 | 37 | 34 | 235 | 79 | 28 | 50 | $7/8$ | $3/8$ |
| 4TTB3060D1000C | 200/230/1/60 | 58,500 | 37 | 37 | 34 | 261 | 80 | 35 | 60 | $7/8$ | $3/8$ |

① 1 compressor, 2 stages.
* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
** Rated in accordance with AHRI Standard 270-2008.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Split System Cooling
# Single Phase – 1½-5 Tons

**Table SC-6-A — Features**

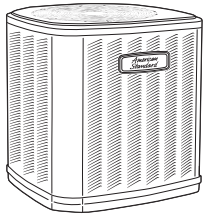| Feature | 4TTB4) | (4TTB3) |
|---|---|---|
| • SEER up to | 16.00 | 14.00 |
| • Recip compressor | 1½-2½ | — |
| • Scroll compressor | 3-5 | ✔ |
| • **Comfort-R™** mode approved | ✔ | ✔ |
| • **DuraBase™** base, fast complete drain, weatherproof | ✔ | ✔ |
| • **Easy-Sess** cabinet, service access & refrigerant connections with full coil protection | ✔ | ✔ |
| • **Spine Fin™** coil | ✔ | ✔ |
| • Quick start kit-factory installed | 1½-2½ | — |
| • Sound enclosures | 1½-2½ | — |
| • Factory supplied charge | R-410A | R-410A |
| • Glossy corrosion resistant finish | ✔ | ✔ |
| • High pressure switch | ✔ | ✔ |
| • Internal high / low pressure & temperature protection | ✔ | ✔ |
| • Liquid line filter drier - factory installed or factory supplied for field install | ✔ | ✔ |
| • Polyslate gray cabinet | ✔ | ✔ |
| **10-year registered limited warranty on compressor, outdoor coil & all other functional parts (Residential Use)**③ | ✔ | ✔ |
| • **Extended warranties available** | ✔ | ✔ |

**Table SC-6-B — Optional Accessories**

| Model Number | Description | Shipping Weight | 4TTB4 | 4TTB3 |
|---|---|---|---|---|
| AY28X079 | Evaporator defrost control kit | 1 | ✔ | ✔ |
| BAYCCHT300 | Crankcase Heater (Reciprocating) | 1 | 1½-2½ | — |
| BAYCCHT301 | Crankcase Heater (Scroll) | 1 | 3½-5 | ✔ |
| BAYCCHT302 | Crankcase Heater (Scroll) | 1 | 3 | — |
| BAYECMT023 | Extreme Conditions Mounting Kit (Base 2/3) | 2 | 1½-2 | 1½-3 |
| BAYECMT004 | Extreme Conditions Mounting Kit (Base 4) | 2 | 2½-5 | 3½-5 |
| BAYISLT101 | Rubber isolators | 1 | ✔ | ✔ |
| BAYKSKT260 | Start kit (Scroll) | 1 | 3-5 | ✔ |
| BAYLEGS002 | Snow Legs - Base and Cap 6" High (Black) | 1 | ✔ | ✔ |
| BAYLEGS003 | 4" Extension (Black) | 1 | ✔ | ✔ |
| BAYLOAM103 | Low Ambient Kit | 1 | ✔ | ✔ |
| BAYSEAC001 | Seacoast Kit | 1 | ✔ | ✔ |
| TAYASCT501A①② | Anti-Short Cycle Timer | 2 | ✔ | ✔ |
| PAI00309④ | Heresite Spraypaint | 1 | ✔ | ✔ |

**Comfort Controls — See Comfort Controls/Zone Sensors Section**

① Not for use with programmable thermostats.
② Activated on Power Off.
③ Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.
④ Used for additional seacoast corrosion protection. Refer to bulletin number UN-SVB11A-EN for application information.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# American Standard®
## HEATING & AIR CONDITIONING

# Split System Cooling
# Single Phase – 1½-5 Tons

**Table SC-7-A— R-22 Split System Dry Ship Replacement Condensing Units (Previously 2A7B3)**

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) H | W | D | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2TTB3018A1000C | 200/230/1/60 | 17,000 | 26 | 29 | 26 | 182 | 76 | 8 | 15 | $^5/_8$ | $^1/_4$ |
| 2TTB3024A1000C | 200/230/1/60 | 23,000 | 33 | 29 | 26 | 195 | 78 | 12 | 20 | $^3/_4$ | $^5/_{16}$ |
| 2TTB3030A1000C | 200/230/1/60 | 28,500 | 33 | 33 | 30 | 225 | 78 | 13 | 20 | $^3/_4$ | $^5/_{16}$ |
| 2TTB3036A1000C | 208/230/1/60 | 34,500 | 33 | 33 | 30 | 220 | 76 | 18 | 30 | $^7/_8$ | $^3/_8$ |
| 2TTB3042A1000C | 200/230/1/60 | 40,500 | 33 | 37 | 34 | 283 | 79 | 21 | 35 | $^7/_8$ | $^3/_8$ |
| 2TTB3048A1000C | 200/230/1/60 | 46,500 | 41 | 37 | 34 | 307 | 79 | 25 | 40 | $1^1/_8$ | $^3/_8$ |
| 2TTB3060A1000C | 208/230/1/60 | 58,500 | 41 | 37 | 34 | 303 | 79 | 33 | 50 | $1^1/_8$ | $^3/_8$ |
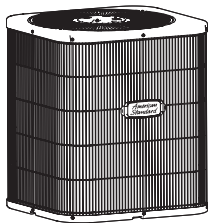
**American Standard 13 (2TTB3)**

**Table SC-7-B — R-22 Split System Dry Ship Replacement Condensing Unit**

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) H | W | D | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size (in) OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2TTM3018A1000A① | 200/230/1/60 | 18,000 | 29 | 25½ | 23½ | 161 | 72 | 11.5 | 20 | $^5/_8$ | $^3/_8$ |
| 2TTM3024A1000A① | 200/230/1/60 | 24,000 | 29 | 25½ | 23½ | 161 | 72 | 11.5 | 20 | $^5/_8$ | $^3/_8$ |
| 2TTM3030A1000A① | 200/230/1/60 | 29,400 | 29 | 25½ | 23½ | 170 | 77 | 13.9 | 20 | $^3/_4$ | $^3/_8$ |
| 2TTM3036A1000A | 200/230/1/60 | 34,400 | 29 | 25½ | 23½ | 152 | 77 | 20.6 | 35 | $^3/_4$ | $^3/_8$ |
| 2TTM3042A1000A | 200/230/1/60 | 42,000 | 29 | 29 | 28½ | 192 | 79 | 26.6 | 45 | $^7/_8$ | $^3/_8$ |
| 4TTM3048A1000A | 200/230/1/60 | 47,000 | 29 | 29 | 28½ | 192 | 79 | 26.6 | 45 | $^7/_8$ | $^3/_8$ |
| 2TTM3060A1000A | 200/230/1/60 | 58,000 | 29 | 29 | 28½ | 198 | 79 | 33.3 | 50 | $^7/_8$ | $^3/_8$ |

**Silver SI (2TTM3)**

① 2TTM3018-030 units combined with indoor coils having non-equalizing expansion valves may require the use of a hard start or start assist kit. Follow the outdoor unit manufacturer's guidelines.

\* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

** Rated in accordance with AHRI Standard 270-2008.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Split System Cooling
# Single Phase – 1½-5 Tons

**Table SC-8-A — Features**

| | (2TTB3) | (2TTM3) |
|---|---|---|
| • SEER up to ........................................................................................................................... | 13.25 | 14.75 |
| • **Duration™** compressor........................................................................................................... | ✔ | ✔ |
| • **Comfort-R™** mode approved.................................................................................................... | ✔ | ✔ |
| • **DuraBase™** base, fast complete drain, weatherproof ............................................................. | ✔ | — |
| • **Easy-Sess** cabinet, service access & refrigerant connections with full coil protection........... | ✔ | — |
| • **Spine Fin™** coil .................................................................................................................... | ✔ | — |
| • **Duration™** coil ...................................................................................................................... | — | ✔ |
| • Refrigerant - (R-22 not factory supplied)................................................................................. | R-22 | R-22 |
| • Glossy corrosion resistant finish ............................................................................................ | ✔ | ✔ |
| • Compressor sound enclosure .................................................................................................. | 3½-4 | — |
| • Internal high / low pressure & temperature protection ............................................................ | ✔ | — |
| • Liquid line filter drier - factory installed or factory supplied for field install .......................... | ✔ | ✔ |
| • Polyslate gray cabinet ............................................................................................................ | ✔ | — |
| • Start kit - factory installed...................................................................................................... | 1½-2½,3½-5 | — |
| • Tarpolin gray cabinet .............................................................................................................. | ✔ | ✔ |
| • **5-year registered limited warranty on compressor, outdoor coil & all other functional parts (Residential Use)**③ .............................................................................. | ✔ | ✔ |
| • **Extended warranties available** ............................................................................................. | ✔ | ✔ |

**Table SC-8-B — Optional Accessories**

| Model Number | Description | Shipping Weight | | |
|---|---|---|---|---|
| AY28X079.....................Evap. Defrost Control Kit ...........................................1............................................... | | | ✔ | ✔ |
| BAYCCHT300 .............Crankcase Heater Kit (Reciprocating) ...............................1............................... | | | ½-2½,3½-4 | 1½-2½ |
| BAYCCHT301 .............Crankcase Heater Kit (Scroll) ...........................................1................................... | | | 3,5 | 3-5 |
| BAYECMT023 .............Extreme Conditions Mounting Kit (Base 2/3).......................2..................... | | | 1½-3 | — |
| BAYECMT004 .............Extreme Conditions Mounting Kit (Base 4) .........................2.................... | | | 3½-5 | — |
| BAYECMT021 .............Extreme Conditions Mounting Kit.......................................................... | | | — | ✔ |
| BAYISLT101 ................Rubber Isolators........................................................................1........ | | | ✔ | ✔ |
| BAYKSKT260 .............Start Kit .....................................................................................1....... | | | 3 | 1½-2½ |
| BAYKSKT263 .............Start kit .....................................................................................1........ | | | 3½-4 | 3-5 |
| BAYLEGS002..............Snow Legs - Base and Cap 6" High (Black) .......................1................. | | | ✔ | — |
| BAYLEGS003...............4" Extension (Black)............................................................1............ | | | ✔ | — |
| BAYLOAM103 .............Low Ambient Kit .....................................................................1......... | | | ✔ | ✔④ |
| BAYSDEN001 .............Single Cylinder Compressor Enclosures ............................8............... | | | 1½-2½ | — |
| BAYSDEN003 .............Small Scroll Compressor Enclosures....................................8.............. | | | 3 | — |
| BAYSDEN004 .............Large Scroll Compressor Enclosures ..................................8............... | | | 5 | — |
| BAYSEAC001..............Seacoast Kit ........................................................................1............. | | | ✔ | — |
| TAYASCT501A①② ....Anti-Short Cycle Timer..................................................................2....... | | | ✔ | — |

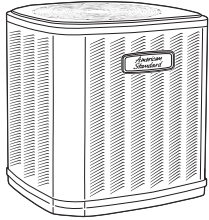**Comfort Controls — See Comfort Controls/Zone Sensors Section**

① Not for use with programmable thermostats.
② Activated on Power Off.
③ Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.
④ For applications requiring BAYLOAM103, an 8x8 weather proof electrical enclosure is required in order to locate the low ambient controller external to the unit.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

# Split System Cooling
# Three Phase – 2½-5 Tons

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**Silver SI (4TTA3)**

**Table SC-9-A — Silver SI Split System Cooling (Previously 4A7C3)**

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) H | W | D | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size (in) OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4TTA3030A3000C | 200/230/3/60 | 30,000 | 33 | 33 | 30 | 224 | 78 | 10 | 15 | $^3/_4$ | $^3/_8$ |
| 4TTA3036A3000C | 200/230/3/60 | 36,000 | 37 | 33 | 30 | 229 | 78 | 15 | 25 | $^3/_4$ | $^3/_8$ |
| 4TTA3042D3000C | 208/230/3/60 | 42,000 | 29 | 37 | 34 | 228 | 79 | 18 | 30 | $^3/_4$ | $^3/_8$ |
| 4TTA3048D3000C | 208/230/3/60 | 48,000 | 29 | 37 | 34 | 235 | 79 | 18 | 30 | $^7/_8$ | $^3/_8$ |
| 4TTA3060D3000C | 208/230/3/60 | 60,000 | 37 | 37 | 34 | 294 | 80 | 21 | 35 | $^7/_8$ | $^3/_8$ |
| 4TTA3030A4000C | 460/3/60 | 30,000 | 33 | 33 | 30 | 222 | 78 | 5 | 15 | $^3/_4$ | $^3/_8$ |
| 4TTA3036A4000C | 460/3/60 | 36,000 | 37 | 33 | 30 | 227 | 78 | 7 | 15 | $^3/_4$ | $^3/_8$ |
| 4TTA3042D4000C | 460/3/60 | 42,000 | 33 | 37 | 34 | 254 | 79 | 9 | 15 | $^3/_4$ | $^3/_8$ |
| 4TTA3048D4000C | 460/3/60 | 48,000 | 33 | 37 | 34 | 252 | 79 | 9 | 15 | $^7/_8$ | $^3/_8$ |
| 4TTA3060D4000C | 460/3/60 | 60,000 | 41 | 37 | 34 | 294 | 80 | 12 | 20 | $^7/_8$ | $^3/_8$ |

\*   Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
\*\*  Rated in accordance with AHRI Standard 270-2008.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Split System Cooling

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# Split System Cooling
# Three Phase – 2½-5 Tons

**Table SC-10-A — Features** | **(4TTA3)**

| Feature | (4TTA3) |
|---|---|
| • SEER up to ................................................................................................................................................ | 14.50 |
| • **Duration™** compressor................................................................................................................................ | ✔ |
| • **Comfort-R™** mode approved........................................................................................................................ | ✔ |
| • **DuraBase™** base, fast complete drain, weatherproof .................................................................................. | ✔ |
| • **Easy-Sess™** cabinet, service access & refrigerant connections with full coil protection ........................... | ✔ |
| • **Spine Fin™** coil .......................................................................................................................................... | ✔ |
| • Compressor sump heat - factory installed .................................................................................................... | ✔ |
| • Factory supplied charge ............................................................................................................................... | R-410A |
| • Glossy corrosion resistant finish .................................................................................................................. | ✔ |
| • Internal high / low pressure & temperature protection .................................................................................. | ✔ |
| • Liquid line filter drier - factory installed....................................................................................................... | ✔ |
| • Low pressure switch..................................................................................................................................... | ✔ |
| • Polyslate gray cabinet ................................................................................................................................. | ✔ |
| • **5-year registered limited warranty on compressor, outdoor coil & 1-year on all other functional parts (Commercial Use)** ....................................................................................................... | ✔ |
| • **5-year registered limited warranty on compressor, outdoor coil & all other functional parts (Residential Use)** ......................... | ✔ |
| • **Extended warranties available** .................................................................................................................. | ✔ |

**Table SC-10-B — Optional Accessories**

| Model Number | Description | Shipping Weight | |
|---|---|---|---|
| AY28X079....................... | Evaporator Defrost Control .......................................................1 | | ✔ |
| BAYECMT023 ................ | Extreme Conditions Mounting Kit (Base 2/3)..................2 | | 2½-3 |
| BAYECMT004 ................ | Extreme Conditions Mounting Kit (Base 4)......................2 | | 3½-5 |
| BAYISLT101 ................... | Rubber Isolators....................................................................1 | | ✔ |
| BAYLEGS002................. | Snow Legs - Base and Cap 6" High (Black) ...................1 | | ✔ |
| BAYLEGS003................. | 4" Extension (Black)..............................................................1 | | ✔ |
| BAYLOAM103③ ........... | Low Ambient Kit ....................................................................1 | | ✔ |
| BAYSEAC001................. | Seacoast Kit...........................................................................1 | | ✔ |
| BAYTFMR003A .............. | 77VA Transformer 230V/24V.................................................4 | | ✔ |
| BAYTFMR004A .............. | 77VA Transformer 460V/24V.................................................4 | | ✔ |
| TAYASCT501A①② ........ | Anti-Short Cycle Timer..........................................................2 | | ✔ |
| PAI00309④..................... | Heresite Spraypaint...............................................................1 | | ✔ |

**Comfort Controls — See Comfort Controls/Zone Sensors Section**

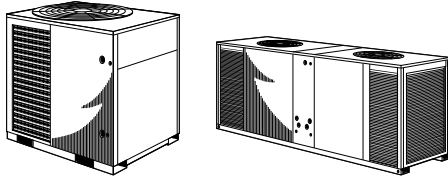① Do not use with programmable thermostats.
② Activated on Power Off.
③ Not approved for use with hot gas by-pass application.
④ Used for additional seacoast corrosion protection. Refer to bulletin number UN-SVB11A-EN for application information.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# American Standard®
HEATING & AIR CONDITIONING

# Split System Cooling
# Three Phase – 6-25 Tons, R-410A

**TTA – 6-25 Tons**

- **ReliaTel™** controls option
- (1) Scroll compressor (TTA073-120D)
- (2) Scroll compressors (TTA120E-240E) with independent refrigerant circuits
- (2) Manifolded scroll compressors (TTA120F, 180F-300F)
- Single point power
- Compressor motor overload protection
- Compressor discharge temperature limit switch
- Control transformer
- High and low pressure cut-out switches
- Liquid line filter drier, factory installed
- Service valves with pressure taps

- Electrical phase reversal protection
- Internal pressure relief valves
- Holding charge (Dry Nitrogen)
- Copper tube, aluminum plate fin coils
- Low ambient cooling to 50°F as shipped
- Low ambient cooling to 0°F with accessory head pressure control
- Mounting/lifting rails under base
- UL listed
- **5-year compressor warranty (TTA073-120D/TTA120-180E/TTA120-180F)**
- **1-year compressor warranty (TTA240E,F, TTA300F)**
- **1-year limited parts warranty**
- **Optional Extended Warranties**

```
1 2 3 4 5 6 7 8 9 10 11 12
T T A 0 9 0 D 3 0 0  A  0
```

**Compressor Type**
- D = Single Compressor/Single Refrigerant Circuit, R-410A
- E = Dual Compressor/Dual Refrigerant Circuit, R-410A
- F = Dual Compressor/Single Manifolded Refrigerant Circuit, R-410A

**Factory-Installed Options**
- 00 = Packed Stock
- 0S = Black Epoxy Coated Coil
- 0R = ReliaTel™ Controls
- 0T = ReliaTel™ Controls and Black Epoxy Coated Coil

```
1 2 3 4 5 6 7 8 9 10 11 12
T T A 0 9 0 D 3 0 0  A  0
```

**Compressor Type**
- D = Single Compressor/Single Refrigerant Circuit, R-410A
- E = Dual Compressor/Dual Refrigerant Circuit, R-410A
- F = Dual Compressor/Single Manifolded Refrigerant Circuit, R-410A

**Factory-Installed Options**
- H0 = Hail Guard
- HS = Hail Guard and Black Epoxy Coated Coil
- HR = Hail Guard and ReliaTel™ Controls
- HT = Hail Guard and ReliaTel™ Controls with Black Epoxy Coated Coil

**Table SC-11-A — TTA Split System Cooling — Single Compressor — R-410 Refrigerant**

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) | | | Shipping Weight (lbs.) | Sound① Rating | MCA* | Max. Fuse* | Line Size | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | H | W | L | | | | | OD Gas | OD Liq. |
| TTA073D300A | 208-230/3/60 | 75,000 | 39 | 36 | 42 | 365 | 84 | 31.1 | 40 | 1 1/8 | 1/2 |
| TTA090D300A | 208-230/3/60 | 92,000 | 39 | 36 | 42 | 363 | 83 | 34.4 | 45 | 1 3/8 | 5/8 |
| TTA120D300A | 208-230/3/60 | 120,000 | 39 | 40 | 52 | 467 | 90 | 42.6 | 60 | 1 3/8 | 1/2 |
| TTA073D400A | 460/3/60 | 75,000 | 39 | 36 | 42 | 365 | 84 | 14.9 | 20 | 1 1/8 | 1/2 |
| TTA090D400A | 460/3/60 | 92,000 | 39 | 36 | 42 | 363 | 83 | 17.7 | 25 | 1 3/8 | 5/8 |
| TTA120D400A | 460/3/60 | 120,000 | 39 | 40 | 52 | 467 | 90 | 23.4 | 30 | 1 3/8 | 1/2 |
| TTA073DW00A | 575/3/60 | 75,000 | 39 | 36 | 42 | 365 | 84 | 11.1 | 15 | 1 1/8 | 1/2 |
| TTA090DW00A | 575/3/60 | 92,000 | 39 | 36 | 42 | 363 | 83 | 14.5 | 20 | 1 3/8 | 5/8 |
| TTA120DW00A | 575/3/60 | 120,000 | 39 | 40 | 52 | 467 | 90 | 17.5 | 25 | 1 3/8 | 1/2 |

**Table SC-11-B — TTA Split System Cooling — Dual Compressors with Two Sets of Refrigerant Circuits — R-410 Refrigerant**
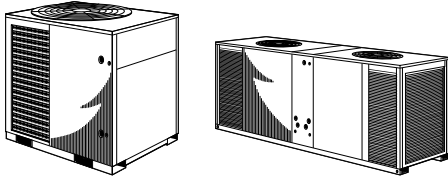
| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) | | | Shipping Weight (lbs.) | Sound① Rating | MCA* | Max. Fuse* | Line Size | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | H | W | L | | | | | OD Gas | OD Liq. |
| TTA120E300A | 208-230/3/60 | 119,000 | 39 | 40 | 52 | 510 | 91 | 41 | 45 | 1 1/8 | 1/2 |
| TTA150E300A | 208-230/3/60 | 150,000 | 45 | 40 | 52 | 543 | 91 | 55.4 | 70 | 1 1/8 | 1/2 |
| TTA180E300A | 208-230/3/60 | 180,000 | 45 | 46 | 95 | 850 | 93 | 66.3 | 80 | 1 3/8 | 1/2 |
| TTA240E300A | 208-230/3/60 | 254,000 | 45 | 46 | 95 | 970 | 94 | 98 | 110 | 1 3/8 | 1/2 |
| TTA120E400A | 460/3/60 | 119,000 | 39 | 40 | 52 | 510 | 91 | 20.1 | 25 | 1 1/8 | 1/2 |
| TTA150E400A | 460/3/60 | 150,000 | 45 | 40 | 52 | 543 | 91 | 26.4 | 30 | 1 1/8 | 1/2 |
| TTA180E400A | 460/3/60 | 180,000 | 45 | 46 | 95 | 850 | 93 | 32.5 | 40 | 1 3/8 | 1/2 |
| TTA240E400A | 460/3/60 | 254,000 | 45 | 46 | 95 | 970 | 94 | 46.9 | 60 | 1 3/8 | 1/2 |
| TTA120EW00A | 575/3/60 | 119,000 | 39 | 40 | 52 | 510 | 91 | 15.5 | 20 | 1 1/8 | 1/2 |
| TTA150EW00A | 575/3/60 | 150,000 | 45 | 40 | 52 | 543 | 91 | 21.4 | 25 | 1 1/8 | 1/2 |
| TTA180EW00A | 575/3/60 | 180,000 | 45 | 46 | 95 | 850 | 93 | 25.6 | 30 | 1 3/8 | 1/2 |
| TTA240EW00A | 575/3/60 | 254,000 | 45 | 46 | 95 | 970 | 94 | 38.7 | 45 | 1 3/8 | 1/2 |

① Sound rating show is tested in accordance with AHRI Standard 270 or 370.
* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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14-1011-29

# American Standard®
HEATING & AIR CONDITIONING

# Split System Cooling
# Three Phase – 6-25 Tons, R-410A

**TTA – 6-25 Tons**

- **ReliaTel™** controls option
- (1) Scroll compressor (TTA073-120D)
- (2) Scroll compressors (TTA120E-240E) with independent refrigerant circuits
- (2) Manifolded scroll compressors (TTA120F, 180F-300F)
- Single point power
- Compressor motor overload protection
- Compressor discharge temperature limit switch
- Control transformer
- High and low pressure cut-out switches
- Liquid line filter drier, factory installed
- Service valves with pressure taps

- Electrical phase reversal protection
- Internal pressure relief valves
- Holding charge (Dry Nitrogen)
- Copper tube, aluminum plate fin coils
- Low ambient cooling to 50°F as shipped
- Low ambient cooling to 0°F with accessory head pressure control
- Mounting/lifting rails under base
- UL listed
- **5-year compressor warranty (TTA073-120D/TTA120-180E/TTA120-180F)**
- **1-year compressor warranty (TTA240E,F, TTA300F)**
- **1-year limited parts warranty**
- **Optional Extended Warranties**

```
1  2  3  4  5  6  7  8  9  10 11 12
T  T  A  0  9  0  D  3  0  0  A  0
```

**Compressor Type**
D = Single Compressor/Single Refrigerant Circuit, R-410A
E = Dual Compressor/Dual Refrigerant Circuit, R-410A
F = Dual Compressor/Single Manifolded Refrigerant Circuit, R-410A

**Factory-Installed Options**
00 = Packed Stock
0S = Black Epoxy Coated Coil
0R = ReliaTel™ Controls
0T = ReliaTel™ Controls and Black Epoxy Coated Coil

```
1  2  3  4  5  6  7  8  9  10 11 12
T  T  A  0  9  0  D  3  0  0  A  0
```

**Compressor Type**
D = Single Compressor/Single Refrigerant Circuit, R-410A
E = Dual Compressor/Dual Refrigerant Circuit, R-410A
F = Dual Compressor/Single Manifolded Refrigerant Circuit, R-410A

**Factory-Installed Options**
H0 = Hail Guard
HS = Hail Guard and Black Epoxy Coated Coil
HR = Hail Guard and ReliaTel™ Controls
HT = Hail Guard and ReliaTel™ Controls with Black Epoxy Coated Coil

**Table SC-12-A — TTA Split System Heat Pumps - Single Compressors with Single Refrigerant Circuits - R-22 Refrigerant**

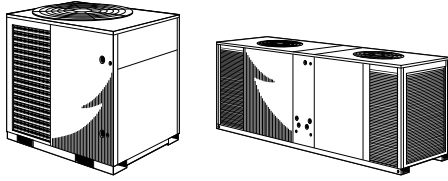| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) | | | Shipping Weight (lbs.) | Sound① Rating | MCA* | Max. Fuse* | Line Size | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | H | W | L | | | | | OD Gas | OD Liq. |
| TTA090A30R0G | 208-230/3/60 | 90,000 | 39 | 36 | 42 | 363 | 83 | 31.1 | 45 | 1³/₈ | ⁵/₈ |
| TTA120A30R0G | 208-230/3/60 | 120,000 | 45 | 40 | 52 | 467 | 90 | 42.6 | 60 | 1³/₈ | ¹/₂ |
| TTA090A40R0G | 460/3/60 | 90,000 | 39 | 36 | 42 | 363 | 83 | 15.2 | 25 | 1³/₈ | ¹/₂ |
| TTA120A40R0G | 460/3/60 | 120,000 | 45 | 40 | 52 | 467 | 90 | 21.9 | 30 | 1³/₈ | ¹/₂ |

**Table SC-12-B — TTA Split System Heat Pumps - Dual Compressors with Dual Refrigerant Circuits - R-22 Refrigerant**

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) | | | Shipping Weight (lbs.) | Sound① Rating | MCA* | Max. Fuse* | Line Size | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | H | W | L | | | | | OD Gas | OD Liq. |
| TTA180B30R0G | 208-230/3/60 | 180,000 | 46 | 45 | 95 | 850 | 93 | 60.4 | 80 | 1³/₈ | ¹/₂ |
| TTA240B30R0G | 208-230/3/60 | 240,000 | 46 | 45 | 95 | 970 | 94 | 77.7 | 100 | 1³/₈ | ¹/₂ |
| TTA180B40R0G | 460/3/60 | 180,000 | 46 | 45 | 95 | 850 | 93 | 29.5 | 40 | 1³/₈ | ¹/₂ |
| TTA240B40R0G | 460/3/60 | 240,000 | 46 | 45 | 95 | 970 | 94 | 39.9 | 50 | 1³/₈ | ¹/₂ |

① Sound rating show is tested in accordance with AHRI Standard 270 or 370.
* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# American Standard®
### HEATING & AIR CONDITIONING

# Split System Cooling
# Three Phase – 6-25 Tons, R-410A

**TTA – 6-25 Tons**

- **ReliaTel™** controls option
- (1) Scroll compressor (TTA073D-120D)
- (2) Scroll compressors (TTA120D-240E) with independent refrigerant circuits
- (2) Manifolded scroll compressors (TTA120F, 180-240F)
- Single point power
- Compressor motor overload protection
- Compressor discharge temperature limit switch
- Control transformer
- High and low pressure cut-out switches
- Liquid line filter drier, factory installed
- Service valves with pressure taps

- Electrical phase reversal protection
- Internal pressure relief valves
- Holding charge (Dry Nitrogen)
- Copper tube, aluminum plate fin coils
- Low ambient cooling to 50°F as shipped
- Low ambient cooling to 0°F with accessory head pressure control
- Mounting/lifting rails under base
- UL listed
- **5-year compressor warranty (TTA073-120D/TTA120-180E/ TTA120-180F)**
- **1-year compressor warranty (TTA240E,F)**
- **1-year limited parts warranty**
- **Optional Extended Warranties**

|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|--|---|---|---|---|---|---|---|---|---|----|----|----|
|  | T | T | A | 0 | 9 | 0 | D | 3 | 0 | 0 | A | 0 |

**Compressor Type**
D = Single Compressor/Single Refrigerant Circuit, R-410A
E = Dual Compressor/Dual Refrigerant Circuit, R-410A
F = Dual Compressor/Single Manifolded Refrigerant Circuit, R-410A

**Factory-Installed Options**
00 = Packed Stock
0S = Black Epoxy Coated Coil
0R = ReliaTel™ Controls
0T = ReliaTel™ Controls and Black Epoxy Coated Coil

|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|--|---|---|---|---|---|---|---|---|---|----|----|----|
|  | T | T | A | 0 | 9 | 0 | D | 3 | 0 | 0 | A | 0 |

**Compressor Type**
D = Single Compressor/Single Refrigerant Circuit, R-410A
E = Dual Compressor/Dual Refrigerant Circuit, R-410A
F = Dual Compressor/Single Manifolded Refrigerant Circuit, R-410A

**Factory-Installed Options**
H0 = Hail Guard
HS = Hail Guard and Black Epoxy Coated Coil
HR = Hail Guard and ReliaTel™ Controls
HT = Hail Guard and ReliaTel™ Controls with Black Epoxy Coated Coil

**Table SC-13-A — TTA Split System Cooling — Dual Manifolded Compressors with Single Refrigerant Circuits — R-410 Refrigerant**

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) | | | Shipping Weight (lbs.) | Sound① Rating | MCA* | Max. Fuse* | Line Size OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  | H | W | L |  |  |  |  |  |  |
| TTA120F300A | 208-230/3/60 | 120,000 | 39 | 40 | 52 | 509 | 91 | 44.6 | 50 | $1^3/_8$ | $^1/_2$ |
| TTA180F300A | 208-230/3/60 | 180,000 | 45 | 45 | 95 | 852 | 93 | 66.3 | 80 | $1^5/_8$ | $^5/_8$ |
| TTA240F300A | 208-230/3/60 | 246,000 | 45 | 45 | 95 | 966 | 94 | 98 | 110 | $1^5/_8$ | $^5/_8$ |
| TTA300F300A | 208-230/3/60 | 292,000 | 51 | 45 | 95 | 1112 | 94 | 130.6 | 150 | $2^1/_8$ | $^5/_8$ |
| TTA120F400A | 460/3/60 | 120,000 | 39 | 40 | 52 | 509 | 91 | 24.1 | 30 | $1^3/_8$ | $^1/_2$ |
| TTA180F400A | 460/3/60 | 180,000 | 45 | 45 | 95 | 852 | 93 | 32.5 | 40 | $1^5/_8$ | $^5/_8$ |
| TTA240F400A | 460/3/60 | 246,000 | 45 | 45 | 95 | 966 | 94 | 49.6 | 60 | $1^5/_8$ | $^5/_8$ |
| TTA300F400A | 460/3/60 | 292,000 | 51 | 45 | 95 | 1112 | 94 | 51.6 | 60 | $2^1/_8$ | $^5/_8$ |
| TTA120FW00A | 575/3/60 | 120,000 | 39 | 40 | 52 | 509 | 91 | 15.7 | 20 | $1^3/_8$ | $^1/_2$ |
| TTA180FW00A | 575/3/60 | 180,000 | 45 | 45 | 95 | 852 | 93 | 26.3 | 30 | $1^5/_8$ | $^5/_8$ |
| TTA240FW00A | 575/3/60 | 246,000 | 45 | 45 | 95 | 966 | 94 | 39.6 | 45 | $1^5/_8$ | $^5/_8$ |
| TTA300FW00A | 575/3/60 | 292,000 | 51 | 45 | 95 | 1112 | 94 | 40.9 | 45 | $2^1/_8$ | $^5/_8$ |

① Sound rating show is tested in accordance with AHRI Standard 270 or 370.
* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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14-1011-29

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# Split System Cooling – R-410A
# Accessories Three Phase – 6-25 Tons

**Table SC-14-A — R-410A Optional Accessories**

| Model Number | Description | Used With |
|---|---|---|
| **Coil Guard** | | |
| BAYGARD058A | Hail/Vandal Guard | TTA073D, TTA090D |
| BAYGARD059A | Hail/Vandal Guard | TTA120D/E/F |
| BAYGARD060A | Hail/Vandal Guard | TTA150E |
| BAYGARD061A | Hail/Vandal Guard | TTA180E/F, TTA240E/F |
| BAYGARD062A | Hail/Vandal Guard | TTA300F |
| **Hot Gas By-Pass** | | |
| BAYHGBP010A | Universal Hot Gas Bypass Kit | TTA073D-TTA300F |
| **Isolators** | | |
| BAYISLT004A | Rubber Isolator Floor (blue) | TTA073D-TTA090D |
| BAYISLT005A | Rubber Isolator Floor (black) | TTA120D/E/F |
| BAYISLT009A | Rubber Isolator Floor (red) | TTA150E, TTA180E/F |
| BAYISLT010A | Rubber Isolator Floor (green) | TTA240E/F, TTA300F |
| BAYISLT023A | Steel Spring Isolator Floor (red) | TTA073D, TTA090D, TTA120D |
| BAYISLT024A | Steel Spring Isolator Floor (black) | TTA120E/F, TTA150E, TTA180E/F |
| BAYISLT025A | Steel Spring Isolator Floor (yellow) | TTA240E/F, TTA300F |
| **Low Ambient** | | |
| BAYLOAMU01A[1][2][3][4] | On/Off Fan Control Mounted in External Enclosure (small cabinets) | TTA073-090 (all voltages) |
| BAYLOAMU02A[2][3][4] | On/Off Fan Control Mounted in Unit Control Box (large cabinets) | TTA120-300 (all voltages) |
| BAYLOAM335A[3] | Modulating ICM Head Pressure Control w/ 208-230V 0.5 HP Hi-Eff Motor (internal mount) | TTA073D3, TTA090D3 |
| BAYLOAM336A[3] | Modulating ICM Head Pressure Control w/ 208-230V 1 HP Hi-Eff Motor (internal mount) | TTA120D3/E3/F3, TTA150E3, TTA180E3/F3, TTA240E3/F3, TTA300F3 |
| BAYLOAM435A[3] | Modulating ICM Head Pressure Control w/ 460V 0.5 HP Hi-Eff Motor (internal mount) | TTA073D4, TTA090D4 |
| BAYLOAM436A[3] | Modulating ICM Head Pressure Control w/ 460V 1.0 HP Hi-Eff Motor (internal mount) | TTA120D4/E4/F4, TTA150E4, TTA180E4/F4, TTA240E4/F4, TTA300F4 |
| BAYLOAMW36A[3] | Modulating ICM Head Pressure Control w/ 575V 1.0 HP Hi-Eff Motor (internal mount) | TTA120DW/EW/FW, TTA150EW, TTA180EW/FW, TTA240EW/FW, TTA300FW |
| BAYLOTR001A[5] | Additional Pressure Transducer for ICM Head Pressure Control | TTA120E/F, TTA150E |
| **Time Delay Relay** | | |
| BAYRLAY002 | Time Delay Relay | TTA090D-TTA300F |
| **BACnet™ Communications Interface** | | |
| BAYBCIR001A | BACnet (BCI-R) Communications Interface | All |

[1] Kit mounts external to the outdoor unit and operates by sensing ambient and liquid line temperatures.
[2] Cycles fan on/off, (no modulating).
[3] Quantity of 1 required for each fan (2 total for TTA/TWA180-300).
[4] ReliaTel™ requires onboard EDC function to be disabled when Bayloam is used, remove OA sensor from terminal J8-1&2.
[5] BAYLOTR001A required when modulating BAYLOAM kits used with units that have 2 compressors and 1 condenser fan.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Split System Cooling
# Three Phase – 6-25 Tons

**Table SC-15-A — ReliaTel™ Control Options**

| Model Number | Description | Used With |
|---|---|---|
| ASYSTAT106A | Zone Sensor, Set Point, Fan System | TTA073-TTA300 with ReliaTel™ Controls |
| ASYSTAT107A | Zone Sensor, Set Point Adj, Fan, System, EH, LED | TTA073-TTA300 |
| ASYSTAT108A | Zone Sensor, 2 Set Point, Fan System | TTA073-TTA300 with ReliaTel™ Controls |
| ASYSTAT109A | Zone Sensor, 2 Set Point Adj, Fan, System, EH, LED | TTA073-TTA300 |
| ASYSTAT777A | Digital Programmable Zone Sensor with Night Setback | TTA073-TTA300 with ReliaTel™ Controls |
| BAYSENS050① | Wireless Zone Sensor | TTA073-TTA300 with ReliaTel™ Controls |
| BAYSENS073A | Room Sensor w/ Override and Cancel Button | TTA073-TTA300 with ReliaTel™ Controls |
| BAYSENS074A | Room Sensor w/ Temperature Adjustment and Override Button | TTA073-TTA300 with ReliaTel™ Controls |
| BAYSENS077A | Remote Sensor | ASYSTAT106A-ASYSTAT109A, ASYSTAT777A |
| BAYSENS110A | Dual Set Point w/ Manual/Auto Change Over | TTA073-TTA300 with ReliaTel™ Controls |

**Table SC-15-B — Electromechanical Control Options**

| Model Number | Description | Used With |
|---|---|---|
| ASYSTAT092A | 2H/2C Touch Screen Digital Display Programmable Thermostat "Touch Screen" | All |
| ASYSTAT093A | 3H/2C Digital Display Programmable Thermostat W/Humidity Sensor | All |

① Kit comes with everything required for installation and operation.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# 6 - 25 Tons with ReliaTel™ Controls TTA073-120D, TTA120-240E, TTA120-300F

## Protection/Operation Timings and Features

**Anti Short Cycle Timer (ASCT) Function** — Provides a three (3) minute minimum "ON" time and a three (3) minute minimum "OFF" time for compressors, enhances compressor reliability by ensuring proper oil return. **Standard**

**Built In Fan Delay Relay (FDR) Function** — Provides custom indoor fan timing sequences for the different types of equipment, enhancing efficiency and reliability. **Standard**

**Built In Night Set Back and Unoccupied Functions**[1] — When using a standard dual setpoint/auto change over Zone Sensor Module (ZSM), this function is enabled by applying a short across terminal J6-11 and J6-12. Sets cooling setpoint up a minimum of 7°F, sets heating setpoint back a minimum of 7°F, and forces fan operation to automatic. **(requires time clock accessory or field supplied/installed switch or contacts).**

**Built In "TEST" Mode** — Aids in quick verification of system and control operation, exercises both hardware and software (no special tools required). **Standard**

**Built In Unoccupied Mode**[1] — When using a standard single setpoint/manual change over Zone Sensor Module (ZSM), this function is enabled by applying a short across terminal J6-11 and J6-12. Forces fan operation to automatic. **(requires time clock accessory or field supplied/installed switch or contacts.)**

**Direct Digital Control (DDC)**[1] — Proportional Integral (PI) control. Proportional – sets corrective action proportional to deviation from setpoint. Integral – fine tunes the rate of corrective action proportional to the error (results in superior space temperature control). **Standard**

**Increased Reliability** — Fewer components (moving electro-mechanical parts), less likelihood of equipment down time or failure. **Standard**

**Integral Electric Heat Staging**[1] — Stages electric heaters "OFF" and "ON", eliminating the use of outdated sequencers. **Standard**

**Intelligent Fallback**[1] — A built in Default Control provides adaptive operation, which allows the equipment to continue to operate, providing comfort in the event of certain component failures. Also, allows emergency operation without a Zone Sensor Module (ZSM). **Standard**

**Low Ambient Start Timer (LAST) Function** — Bypasses low pressure control when a compressor starts, eliminating nuisance compressor lock outs. **Standard**

**Lower Installation Cost** — Using a standard Zone Sensor Module (ZSM), control voltage wiring may be run up to five (5) times further than any electromechanical system, with no increase in wire gauge. Example: Electromechanical System – 30 feet maximum using 22 gauge wire. Micro Control System – 150 feet using 22 gauge wire. **Standard**

**On Board Diagnostics**[1] — Assist with equipment troubleshooting, if a problem occurrence should take place. **Standard**

**Remote Sensing**[1] — All standard Zone Sensor Modules (ZSMs) have remote sensing capabilities, typically achieved by using an expensive program-mable thermostat and remote sensor with electromechanical equipment. **Accessory (requires use of remote sensor).**

**Space Temperature Averaging**[1] — All standard Zone Sensor Modules (ZSMs) have space temperature averaging capabilities, typically achieved by using an expensive programmable thermostat and minimum of four (4) remote sensors with electromechanical equipment. **Averaging with ReliaTel™ can be achieved with two (2) sensors.**

**Time Delay Relay (TDR) Function** — Provides an incremental staging delay between compressors, minimizes equipment current inrush and consumption by keeping compressors from starting simultaneously. **Standard**
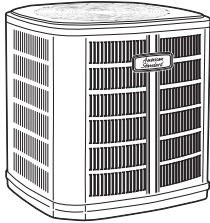
**Low Pressure and High Pressure Compressor Lockout** — 3 trips will lockout control.

When the ReliaTel™ RTRM Thermostat Interface is used, equipment operation differs significantly. The basic equipment protection features remain intact, and the following features and benefits are lost:

• Direct Digital Control (DDC) – Proportional Integral (PI) control is lost, equipment is controlled by a thermostat or generic building automation system device.

• Intelligent Fall back is lost, if a failure occurs in the device controlling the equipment, operation will cease.

• Installation is more costly, with the addition of a thermostat or generic control, the control wiring size must be increased.

• Remote Sensing capabilities are lost, unless generic control being applied can accomplish this.

• Space Temperature Averaging capabilities are lost, unless generic control being applied can accomplish this.

• Built In Night Set Back and Unoccupied functions are lost, unless generic control being applied can accomplish this.

• Built In Unoccupied Mode is lost, unless generic control being applied can accomplish this.

[1] **Denotes features lost from utilizing standard conventional stat.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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**Platinum ZM
(4A6Z0)**

**Table SH-1-A — Platinum ZM Heat Pump (Previously Heritage 20) — with AccuLink™①②③**

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) H | W | D | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4A6Z0024A1000C | 200/230/1/60 | 24,000 | 45 | 37 | 34 | 380 | 70 | 14 | 20 | $5/8$ | $3/8$ |
| 4A6Z0036B1000A | 208/230/1/60 | 36,000 | 45 | 37 | 34 | 385 | 72 | 20 | 30 | $3/4$ | $3/8$ |
| 4A6Z0048B1000A | 208/230/1/60 | 48,000 | 45 | 37 | 34 | 470 | 76 | 26 | 40 | $3/4$ | $3/8$ |
| 4A6Z0060A1000C | 200/230/1/60 | 60,000 | 45 | 37 | 34 | 470 | 76 | 31 | 50 | $3/4$ | $3/8$ |
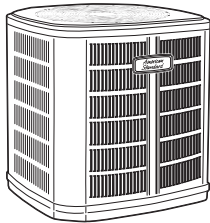
**Platinum XM
(4A6H6)**

**Table SH-1-B — Platinum XM Heat Pump (Previously Heritage 16)**

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) H | W | D | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size (in) OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4A6H6024G1000A | 208/230/1/60 | 24,000 | 41 | 37 | 34 | 305 | 72 | 15 | 25 | $5/8$ | $3/8$ |
| 4A6H6036E1000B | 208/230/1/60 | 36,000 | 45 | 37 | 34 | 307 | 72 | 22 | 35 | $3/4$ | $3/8$ |
| 4A6H6048G1000A | 208/230/1/60 | 48,000 | 45 | 37 | 34 | 329 | 73 | 27 | 45 | $7/8$ | $3/8$ |
| 4A6H6060E1000B | 208/230/1/60 | 60,000 | 45 | 37 | 34 | 330 | 74 | 37 | 60 | $1 1/8$ | $3/8$ |
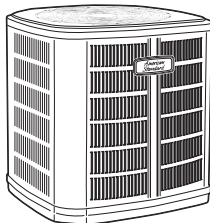
**Gold XI (4A6H5)**

**Table SH-1-C — Gold XI Heat Pump (Previously Heritage 15)**

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) H | W | D | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4A6H5018G1000A | 208/230/1/60 | 18,000 | 29 | 33 | 30 | 204 | 75 | 9 | 15 | $5/8$ | $3/8$ |
| 4A6H5024G1000A | 208/230/1/60 | 24,000 | 33 | 33 | 30 | 236 | 75 | 11 | 15 | $5/8$ | $3/8$ |
| 4A6H5030G1000A | 208/230/1/60 | 30,000 | 33 | 37 | 34 | 273 | 75 | 15 | 25 | $3/4$ | $3/8$ |
| 4A6H5036G1000A | 208/230/1/60 | 36,000 | 33 | 37 | 34 | 261 | 75 | 18 | 30 | $3/4$ | $3/8$ |
| 4A6H5042G1000A | 208/230/1/60 | 41,500 | 37 | 37 | 34 | 277 | 75 | 23 | 40 | $3/4$ | $3/8$ |
| 4A6H5049E1000B | 208/230/1/60 | 48,000 | 45 | 37 | 34 | 331 | 75 | 28 | 50 | $7/8$ | $3/8$ |
| 4A6H5061E1000B | 208/230/1/60 | 60,000 | 45 | 37 | 34 | 332 | 75 | 36 | 60 | $1 1/8$ | $3/8$ |

① Must use ACONT900 or AZONE950 control with communicating systems.
② BAYACHP024A required for 24 volt mode.
③ Because of limited capabilities, please refer to the product ratings for approved combinations.
* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
** Rated in accordance with AHRI Standard 270-2008.

Split System Heat Pumps

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

SH-1

Effective 1/1/13
14-1011-29

**Split System Heat Pumps**

## Table SH-2-A — Features

| Feature | (4A6Z0) | (4A6H6) | (4A6H5) |
|---|---|---|---|
| • SEER up to | 19.00 | 18.00 | 16.25 |
| • HSPF up to | 10.00 | 9.50 | 9.70 |
| • **Duration™** compressor | 2 | 1 | ✔ |
| • Number of stages | 2 | 2 | 1 |
| • **AccuLink™** system | ✔ | — | — |
| • **Charge Assist™** fast/accurate charging every time | ✔ | — | — |
| • **Comfort-R™** mode approved | ✔ | ✔ | ✔ |
| • **DuraBase™** base, fast complete drain, weatherproof | ✔ | ✔ | ✔ |
| • **Easy-Sess™** cabinet, service access & refrigerant connections with full coil protection | ✔ | ✔ | ✔ |
| • **Spine Fin™** coil | ✔ | ✔ | ✔ |
| • Demand Defrost Control w/**Lite Port**/Stored Diagnostics | — | — | ✔ |
| • Electronic Expansion Valve (EEV) | ✔ | ✔ | — |
| • Compressor sound enclosure | ✔ | — | 1½-3½ |
| • Compressor sump heat - factory installed | ✔ | ✔ | ✔ |
| • Factory supplied charge | R-410A | R-410A | R-410A |
| • Glossy corrosion resistant finish | ✔ | ✔ | ✔ |
| • High pressure switch | ✔ | ✔ | ✔ |
| • Low pressure switch | ✔ | ✔ | — |
| • Liquid line filter drier - factory installed | ✔ | ✔ | ✔ |
| • Quick start kit - factory installed | ✔ | — | 1½-3,5 |
| • Seacoast shield - factory installed | ✔ | ✔ | ✔ |
| • Spinnaker gray cabinet | ✔ | ✔ | ✔ |
| • 12-year registered limited warranty on compressor, 10-year on outdoor coil & all other functional parts (Residential Use)③ | ✔ | ✔ | — |
| • 10-year registered limited warranty on compressor, outdoor coil & all other functional parts (Residential Use)③ | — | — | ✔ |
| • **Extended warranties available** | ✔ | ✔ | ✔ |

## Table SH-2-B — Optional Accessories

| Model Number | Description | Shipping Weight | (4A6Z0) | (4A6H6) | (4A6H5) |
|---|---|---|---|---|---|
| AY28X084 | Evaporator Defrost Control | 1 | — | — | ✔ |
| BAYACHP024A | 24 Volt Wiring Harness | 1 | ✔ | — | — |
| BAYCAKT001 | **Charge Assist™** Solenoid Kit | 3 | ✔ | — | — |
| BAYECMT023 | Extreme Conditions Mounting Kit (Base 2/3) | 2 | — | — | — |
| BAYECMT004 | Extreme Conditions Mounting Kit (Base 4) | 2 | ✔ | ✔ | ✔ |
| BAYINS001 | Insulation Kit | — | — | — | ✔ |
| BAYISLT101 | Rubber Isolators | 1 | ✔ | ✔ | ✔ |
| BAYKSKT260 | Start kit (Scroll) | 1 | — | ✔ | 3½-4 |
| BAYLEGS002 | Snow Legs - Base and Cap 6" High (Black) | 1 | ✔ | ✔ | ✔ |
| BAYLEGS003 | 4" extension (Black) | 1 | ✔ | ✔ | ✔ |
| BAYLOAM103 | Low Ambient Kit | 1 | — | — | ✔⑤ |
| TAYASCT501A①② | Anti-Short Cycle Timer | 2 | — | — | ✔ |
| BAYSDEN004 | Large Scroll Compressor Enclosures | 8 | — | — | 4-5 |
| TAYPLUS103A | Heat Pump Control Kit | 3 | — | — | ✔ |
| PAI00309⑤ | Heresite Spraypaint | 1 | ✔ | ✔ | ✔ |

## Comfort Controls — See Comfort Controls/Zone Sensors Section

① Do not use with programmable thermostats.
② Activated on Power Off.
③ Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.
④ For operation to 20°F outdoor ambient.
⑤ Used for additional seacoast corrosion protection. Refer to bulletin number UN-SVB11A-EN for application information.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Effective 1/1/13
14-1011-29

# Split System Heat Pumps
# Single Phase – 1½-5 Tons

**Gold SI (4A6H3)**

### Table SH-3-A— Gold SI Heat Pump (Previously Heritage 13)

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) | | | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | H | W | D | | | | | OD Gas | OD Liq. |
| 4A6H3018C1000A | 208/230/1/60 | 19,000 | 29 | 33 | 30 | 189 | 76 | 9 | 15 | 5/8 | 3/8 |
| 4A6H3024C1000A | 208/230/1/60 | 24,000 | 29 | 33 | 30 | 191 | 75 | 12 | 20 | 5/8 | 3/8 |
| 4A6H3030C1000A | 200/230/1/60 | 29,400 | 33 | 33 | 30 | 221 | 76 | 15 | 25 | 3/4 | 3/8 |
| 4A6H3036B1000A | 208/230/1/60 | 34,800 | 33 | 37 | 34 | 261 | 75 | 18 | 30 | 3/4 | 3/8 |
| 4A6H3042B1000A | 208/230/1/60 | 41,500 | 33 | 37 | 34 | 253 | 75 | 26 | 45 | 3/4 | 3/8 |
| 4A6H3048B1000A | 208/230/1/60 | 47,000 | 37 | 37 | 34 | 269 | 75 | 28 | 50 | 7/8 | 3/8 |
| 4A6H3060B1000A | 208/230/1/60 | 57,500 | 41 | 37 | 34 | 284 | 75 | 34 | 60 | 7/8 | 3/8 |
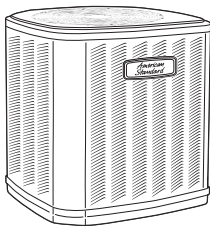
**Silver XI (4A6B4) (March Production)**

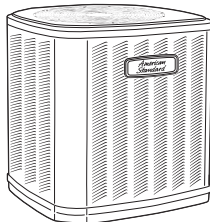### Table SH-3-B— Silver XI Heat Pump (Previously American Standard 14)

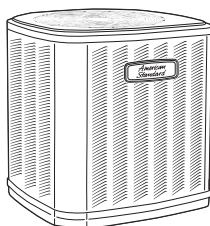| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) | | | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | H | W | D | | | | | OD Gas | OD Liq. |
| 4A6B4018G1000A | 208/230/1/60 | 18,000 | 29 | 33 | 30 | 204 | 76 | 9 | 15 | 5/8 | 3/8 |
| 4A6B4024G1000A | 208/230/1/60 | 24,000 | 33 | 33 | 30 | 236 | 76 | 11 | 15 | 5/8 | 3/8 |
| 4A6B4030G1000A | 208/230/1/60 | 30,000 | 33 | 37 | 34 | 273 | 78 | 15 | 25 | 3/4 | 3/8 |
| 4A6B4036G1000A | 208/230/1/60 | 36,000 | 33 | 37 | 34 | 261 | 76 | 18 | 30 | 3/4 | 3/8 |
| 4A6B4042G1000A | 208/230/1/60 | 41,500 | 37 | 37 | 34 | 278 | 76 | 23 | 40 | 3/4 | 3/8 |
| 4A6B4049E1000B | 208/230/1/60 | 48,000 | 45 | 37 | 34 | 331 | 76 | 28 | 50 | 7/8 | 3/8 |
| 4A6B4061E1000B | 208/230/1/60 | 60,000 | 45 | 37 | 34 | 332 | 76 | 36 | 60 | 1 1/8 | 3/8 |

**Silver XI (4TWB4)**

### Table SH-3-C— Silver XI R-410A Split System Heat Pump — Single Phase (Replaces 4A6B4)

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) | | | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size (in) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | H | W | D | | | | | OD Gas | OD Liq. |
| 4TWB4018G1000B | 208/230/1/60 | 18,000 | 29 | 33 | 30 | 204 | 76 | 9 | 15 | 5/8 | 3/8 |
| 4TWB4024G1000B | 208/230/1/60 | 24,000 | 33 | 33 | 30 | 236 | 76 | 11 | 15 | 5/8 | 3/8 |
| 4TWB4030G1000B | 208/230/1/60 | 30,000 | 33 | 37 | 34 | 273 | 78 | 15 | 25 | 3/4 | 3/8 |
| 4TWB4036G1000B | 208/230/1/60 | 36,000 | 33 | 37 | 34 | 261 | 76 | 18 | 30 | 3/4 | 3/8 |
| 4TWB4042G1000B | 208/230/1/60 | 41,500 | 37 | 37 | 34 | 278 | 76 | 23 | 40 | 3/4 | 3/8 |
| 4TWB4049E1000C | 208/230/1/60 | 48,000 | 45 | 37 | 34 | 331 | 76 | 28 | 50 | 7/8 | 3/8 |
| 4TWB4061E1000C | 208/230/1/60 | 60,000 | 45 | 37 | 34 | 332 | 76 | 36 | 60 | 1 1/8 | 3/8 |

* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
** Rated in accordance with AHRI Standard 270-2008.

**Silver SI (4TWB3)**

### Table SH-3-D — Silver SI Heat Pump (Previously American Standard 13)

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) | | | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size (in) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | H | W | D | | | | | OD Gas | OD Liq. |
| 4TWB3018C1000A | 208/230/1/60 | 17,000 | 29 | 33 | 30 | 189 | 79 | 9 | 15 | 5/8 | 3/8 |
| 4TWB3024C1000A | 208/230/1/60 | 23,000 | 29 | 33 | 30 | 191 | 81 | 12 | 20 | 5/8 | 3/8 |
| 4TWB3030C1000A | 208/230/1/60 | 28,500 | 33 | 33 | 30 | 221 | 80 | 15 | 25 | 3/4 | 3/8 |
| 4TWB3036B1000B | 208/230/1/60 | 34,500 | 33 | 37 | 34 | 261 | 79 | 18 | 30 | 3/4 | 3/8 |
| 4TWB3042B1000B | 208/230/1/60 | 40,500 | 33 | 37 | 34 | 253 | 80 | 26 | 45 | 3/4 | 3/8 |
| 4TWB3048B1000B | 208/230/1/60 | 46,500 | 37 | 37 | 34 | 269 | 78 | 28 | 50 | 7/8 | 3/8 |
| 4TWB3060B1000B | 208/230/1/60 | 58,500 | 41 | 37 | 34 | 284 | 78 | 34 | 60 | 7/8 | 3/8 |

* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
** Rated in accordance with AHRI Standard 270-2008.

**Split System Heat Pumps**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

# Split System Heat Pumps
# Single Phase – 1½-5 Tons

**Table SH-4-A — Features**

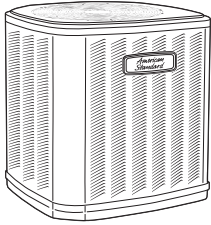| | (4A6H3) | (4A6B4) | (4TWB4) | (4TWB3) |
|---|---|---|---|---|
| • SEER up to | 14.50 | 15.00 | 15.00 | 14.00 |
| • HSPF up to | 8.50 | 9.00 | 9.00 | 8.50 |
| • **Duration™** compressor | ✔ | ✔ | ✔ | ✔ |
| • **Comfort-R™** mode approved | ✔ | ✔ | ✔ | ✔ |
| • **DuraBase™** base, fast complete drain, weatherproof | ✔ | ✔ | ✔ | ✔ |
| • **Easy-Sess™** cabinet, service access & refrigerant connections with full coil protection | ✔ | ✔ | ✔ | ✔ |
| • **Spine Fin™** coil | ✔ | ✔ | ✔ | ✔ |
| • Compressor sump heat - factory installed | — | ✔ | ✔ | — |
| • Demand Defrost Control w/**Lite Port™**/Stored Diagnostics | ✔ | ✔ | — | ✔ |
| • Quick start kit-factory installed | 1½-3 | 1½-3,5 | — | 1½-3 |
| • Low Pressure Switch | 3½-5 | 3½-5 | 3½-5 | 3½-5 |
| • Factory supplied charge | R-410A | R-410A | R-410A | R-410A |
| • Glossy corrosion resistant finish | ✔ | ✔ | ✔ | ✔ |
| • High pressure switch | ✔ | ✔ | ✔ | ✔ |
| • Liquid line filter drier - factory installed | ✔ | ✔ | ✔ | ✔ |
| • Polyslate gray cabinet | — | ✔ | ✔ | ✔ |
| • Spinnaker gray cabinet | ✔ | — | — | — |
| • **10-year registered limited warranty on compressor, outdoor coil & all other functional parts (Residential Use)**③ | ✔ | ✔ | ✔ | ✔ |
| • **Extended warranties available** | ✔ | ✔ | ✔ | ✔ |

**Table SH-4-B — Optional Accessories**

| Model Number | Description | Shipping Weight | | | | |
|---|---|---|---|---|---|---|
| AY28X084 | Evaporator Defrost Control | 1 | ✔ | ✔ | ✔ | ✔ |
| BAYCCHT300 | Crankcase Heater Kit (Reciprocating) | 1 | 1½-3 | 1½-3 | 1½-3 | 1½-3 |
| BAYCCHT301 | Crankcase Heater Kit (Scroll) | 1 | 3½-5 | 3½-5 | — | 3½-5 |
| BAYECMT023 | Extreme Conditions Mounting Kit (Base 2/3) | 2 | 1½-2½ | 1½-2½ | 1½-2½ | 1½-2½ |
| BAYECMT004 | Extreme Conditions Mounting Kit (Base 4) | 2 | 3-5 | 3-5 | 3-5 | 3-5 |
| BAYINS001 | Insulation Kit | | ✔ | ✔ | — | ✔ |
| BAYISLT101 | Rubber Isolators | 1 | ✔ | ✔ | ✔ | ✔ |
| BAYKSKT260 | Start kit (Scroll) | 1 | 3½-5 | 3½-5 | 3½-5 | 3½-5 |
| BAYLEGS002A | Snow Legs Base and Cap 6" High (Black) | 1 | ✔ | ✔ | ✔ | ✔ |
| BAYLEGS003A | 4" Extension (Black) | 1 | ✔ | ✔ | ✔ | ✔ |
| BAYLOAM103 | Low Ambient Kit | 1 | ✔ | ✔④ | ✔ | ✔ |
| BAYSEAC001 | Seacoast Kit | 1 | ✔ | ✔ | — | ✔ |
| TAYASCT501A①② | Anti-Short Cycle Timer | 2 | ✔ | ✔ | ✔ | ✔ |
| TAYPLUS103A | Heat Pump Control Kit | 3 | ✔ | ✔ | — | ✔ |
| PAI00309⑤ | Heresite Spraypaint | 1 | ✔ | ✔ | ✔ | ✔ |

**Comfort Controls — See Comfort Controls/Zone Sensors Section**

① Not for use with programmable thermostats.
② Activated on Power Off.
③ Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.
④ For operation to 20°F outdoor ambient.
⑤ Used for additional seacoast corrosion protection. Refer to bulletin number UN-SVB11A-EN for application information.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Effective 1/1/13
14-1011-29

# American Standard
HEATING & AIR CONDITIONING

# R-22 Dry Ship Replacement Heat Pump



**Silver SI (2TWB3)**

**Table SH-5-A — Silver SI R-22 Split System Heat Pump (Previously American Standard 13)**

| Model Number | Power Suppy | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) | | | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | H | W | D | | | | | OD Gas | OD Liq. |
| 2TWB3018A1000C | 208/230/1/60 | 17,000 | 33 | 29 | 26 | 182 | 74 | 8 | 15 | $5/8$ | $1/4$ |
| 2TWB3024A1000C | 208/230/1/60 | 23,000 | 33 | 29 | 26 | 195 | 79 | 12 | 20 | $3/4$ | $5/16$ |
| 2TWB3030A1000C | 208/230/1/60 | 28,500 | 37 | 33 | 30 | 225 | 79 | 13 | 20 | $3/4$ | $5/16$ |
| 2TWB3036A1000C | 208/230/1/60 | 34,500 | 37 | 37 | 34 | 297 | 79 | 19 | 30 | $7/8$ | $3/8$ |
| 2TWB3042A1000C | 208/230/1/60 | 40,500 | 41 | 37 | 34 | 312 | 80 | 21 | 35 | $7/8$ | $3/8$ |
| 2TWB3048A1000C | 208/230/1/60 | 46,500 | 41 | 37 | 34 | 313 | 78 | 25 | 40 | $1 1/8$ | $3/8$ |
| 2TWB3060A1000C | 208/230/1/60 | 58,500 | 41 | 37 | 34 | 291 | 79 | 33 | 50 | $1 1/8$ | $3/8$ |

**\*** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

**\*\*** Rated in accordance with AHRI Standard 270-2008.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Effective 1/1/13
14-1011-29

**Table SH-6-A — Features**

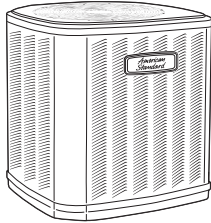| Feature | (2TWB3) |
|---|---|
| • SEER up to | 13.00 |
| • HSPF up to | 7.7 |
| • **Duration™** compressor | ✔ |
| • **Comfort-R™** mode approved | ✔ |
| • **DuraBase™** base, fast complete drain, weatherproof | ✔ |
| • **Easy-Sess™** cabinet, service access & refrigerant connections with full coil protection | ✔ |
| • **Spine Fin™** coil | ✔ |
| • Compressor sound enclosure | 3-4 |
| • Compressor sump heat - factory installed | — |
| • Refrigerant - (R-22 not factory supplied) | R-22 |
| • Glossy corrosion resistant finish | ✔ |
| • Low pressure switch | ✔ |
| • Internal high / low pressure & temperature protection | ✔ |
| • Liquid line filter drier - factory installed | ✔ |
| • Polyslate gray cabinet | ✔ |
| • Start kit - factory installed | 1½-4 |
| • **5-year registered limited warranty on compressor, 1-year on outdoor coil & all other functional parts (Residential Use)**[3] | ✔ |
| • **Extended warranties available** | ✔ |

**Table SH-6-B — Optional Accessories**

| Model Number | Description | Shipping Weight | |
|---|---|---|---|
| AY28X084 | Evaporator Defrost Control HP | 1 | ✔ |
| BAYCCHT300 | Crankcase Heater Kit (Recip) | 1 | 1½-4 |
| BAYCCHT302 | Crankcase Heater Kit (Scroll) | 1 | 5 |
| BAYECMT023 | Extreme Conditions Mounting Kit (Base 2/3) | 2 | 1½-2½ |
| BAYECMT004 | Extreme Conditions Mounting Kit (Base 4) | 2 | 3-5 |
| BAYISLT101 | Rubber Isolators | 1 | ✔ |
| BAYKSKT260 | Start Kit (Scroll) | 1 | 5 |
| BAYLEGS002 | Snow Legs - Base and Cap 6" High (Black) | 1 | ✔ |
| BAYLEGS003 | 4" Extension (Black) | 1 | ✔ |
| BAYLOAM103 | Low Ambient Kit | 1 | ✔ |
| BAYSDEN001 | Single Cylinder Compressor Enclosures | 8 | 1½-2½ |
| BAYSDEN004 | Large Scroll Compressor Enclosures | 8 | 5 |
| BAYSEAC001 | Seacoast Kit | 1 | ✔ |
| TAYASCT501A[1][2] | Anti-short cycle timer | 2 | ✔ |
| PAI00309[5] | Heresite Spraypaint | 1 | ✔ |

**Comfort Controls — See Comfort Controls/Zone Sensors Section**

[1] Do not use with programmable thermostats.
[2] Activated on Power Off.
[3] Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.
[4] For operation to 20°F outdoor ambient.
[5] Used for additional seacoast corrosion protection. Refer to bulletin number UN-SVB11A-EN for application information.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Effective 1/1/13
14-1011-29

**Silver SI (4TWA3)**

**Table SH-7-A — Silver SI Heat Pump (Previously American Standard 13)**

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) | | | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size (in) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | H | W | D | | | | | OD Gas | OD Liq. |
| 4TWA3030A3000C | 200/230/3/60 | 30,000 | 37 | 33 | 30 | 233 | 80 | 11 | 15 | ³/₄ | ³/₈ |
| 4TWA3036A3000C | 200/230/3/60 | 36,000 | 37 | 37 | 34 | 264 | 79 | 16 | 25 | ³/₄ | ³/₈ |
| 4TWA3042B3000A | 208/230/3/60 | 40,500 | 33 | 37 | 34 | 248 | 80 | 18 | 30 | ³/₄ | ³/₈ |
| 4TWA3048A3000A | 208/230/3/60 | 46,500 | 37 | 37 | 34 | 263 | 78 | 18 | 30 | ⁷/₈ | ³/₈ |
| 4TWA3060B3000A | 208/230/3/60 | 58,500 | 41 | 37 | 34 | 280 | 78 | 20 | 35 | ⁷/₈ | ³/₈ |
| 4TWA3030A4000C | 460/3/60 | 30,000 | 37 | 33 | 30 | 231 | 80 | 5 | 15 | ³/₄ | ³/₈ |
| 4TWA3036A4000C | 460/3/60 | 36,000 | 37 | 37 | 34 | 263 | 79 | 7 | 15 | ³/₄ | ³/₈ |
| 4TWA3042B4000A | 460/3/60 | 40,500 | 33 | 37 | 34 | 248 | 80 | 8 | 15 | ³/₄ | ³/₈ |
| 4TWA3048A4000A | 460/3/60 | 46,500 | 37 | 37 | 34 | 263 | 78 | 8 | 15 | ⁷/₈ | ³/₈ |
| 4TWA3060B4000A | 460/3/60 | 58,500 | 41 | 37 | 34 | 280 | 78 | 10 | 15 | ⁷/₈ | ³/₈ |

* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
** Rated in accordance with AHRI Standard 270-2008.

**Split System Heat Pumps**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

**Split System Heat Pumps**

### Table SH-8-A — Features

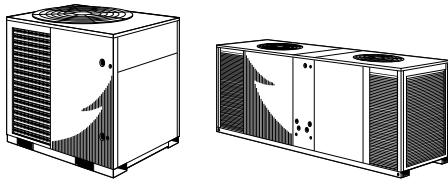| Features | (4TWA3) |
|---|---|
| • SEER up to | 13.00 |
| • HSPF up to | 8.50 |
| • **Duration™** compressor | ✔ |
| • **Comfort-R™** mode approved | ✔ |
| • **DuraBase™** base, fast complete drain, weatherproof | ✔ |
| • **Easy-Sess™** cabinet, service access & refrigerant connections with full coil protection | ✔ |
| • **Spine Fin™** coil | ✔ |
| • Compressor sump heat - factory installed | ✔ |
| • Demand Defrost Control w/**Lite Port™**/Stored Diagnostics | ✔ |
| • Factory supplied charge | R-410A |
| • Glossy corrosion resistant finish | ✔ |
| • Liquid line filter drier - factory installed | ✔ |
| • Low pressure switch | ✔ |
| • Internal high / low pressure & temperature protection | ✔ |
| • Polyslate gray cabinet | ✔ |
| • **5-year registered limited warranty on compressor, outdoor coil & 1-year on all other functional parts (Commercial Use)** | ✔ |
| • **5-year registered limited warranty on compressor, outdoor coil & 5-year on all other functional parts (Residential Use)** | ✔ |
| • **Extended warranties available** | ✔ |

### Table SH-8-B — Optional Accessories

| Model Number | Description | Shipping Weight | |
|---|---|---|---|
| AY28X084 | Evaporator defrost control | 1 | ✔ |
| BAYECMT023 | Extreme Conditions Mounting Kit (Base 2/3) | 2 | 2½ |
| BAYECMT004 | Extreme Conditions Mounting Kit (Base 4) | 2 | 3-5 |
| BAYINS001 | Insulation Kit | | ✔ |
| BAYISLT101 | Rubber Isolators | 1 | ✔ |
| BAYLEGS002 | Snow Legs - Base and Cap - 6" (Black) | 1 | ✔ |
| BAYLEGS003 | 4" Extension (used with BAYLEGS002) (Black) | 1 | ✔ |
| BAYLOAM103 | Low Ambient Kit | 1 | ✔ |
| BAYSEAC001 | Seacoast Kit | 1 | ✔ |
| TAYASCT501A①② | Anti-Short Cycle Timer | 2 | ✔ |
| PAI00309③ | Heresite Spraypaint | 1 | ✔ |

### Comfort Controls — See Comfort Controls/Zone Sensors Section

① Do not use with programmable thermostats.
② Activated on Power Off.
③ Used for additional seacoast corrosion protection. Refer to bulletin number UN-SVB11A-EN for application information.

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

SH-8

Effective 1/1/13
14-1011-29

**TWA – 6-20 Tons**

# Split System Heat Pumps
# Three Phase – 6-20 Tons, R-410A

- **ReliaTel™** controls (standard)
- (1) Scroll compressor (TWA073-120D)
- (2) Scroll compressors (TWA180-240E) with independent refrigerant circuits
- Single point power
- Compressor motor overload protection
- Compressor discharge temperature limit switch
- Control transformer
- High and low pressure cut-out switches
- Liquid line filter drier, factory installed
- Service valves with pressure taps
- Demand Defrost Control
- Internal pressure relief valves

- Electrical phase reversal protection
- Holding charge (Dry Nitrogen)
- Copper tube, aluminum plate fin coils
- Low ambient cooling to 50°F as shipped
- Low ambient cooling to 0°F with accessory head pressure control
- Mounting/lifting rails under base
- UL listed
- **5-year compressor warranty (TWA073D, TWA090D, TWA120D, TWA180E)**
- **1-year compressor warranty (TWA240E)**
- **1-year limited parts warranty**
- **Optional Extended Warranties**

```
1  2  3  4  5  6  7  8  9  10 11 12
T  W  A  0  9  0  D  3  0  0  A  0
                    ↑        ↑
```

**Compressor Type**
D   = Single Compressor/Single Refrigerant Circuit, R-410A
E   = Dual Compressor/Dual Refrigerant Circuit, R-410A
**Factory-Installed Options**
0R = ReliaTel™ Controls
0T = ReliaTel™ Controls and Black Epoxy Coated Coil

```
1  2  3  4  5  6  7  8  9  10 11 12
T  W  A  0  9  0  D  3  0  0  A  0
                    ↑        ↑
```

**Compressor Type**
D   = Single Compressor/Single Refrigerant Circuit, R-410A
E   = Dual Compressor/Dual Refrigerant Circuit, R-410A
**Factory-Installed Options**
HR = Hail Guard and ReliaTel™ Controls
HT = Hail Guard and ReliaTel™ Controls with Black Epoxy Coated Coil

**Table SH-9-A — TWA Split System Heat Pumps — Single Compressors with Single Refrigerant Circuits — R-410 Refrigerant**

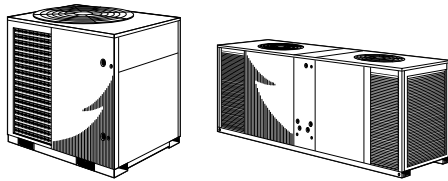| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) | | | Shipping Weight (lbs.) | Sound① Rating | MCA* | Max. Fuse* | Line Size (in) OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | H | W | L | | | | | | |
| TWA073D30RA | 208-230/3/60 | 78,000 | 39 | 36 | 42 | 382 | 84 | 31.1 | 40 | $1^1/_8$ | $^1/_2$ |
| TWA090D30RA | 208-230/3/60 | 90,000 | 39 | 36 | 42 | 394 | 83 | 34.4 | 45 | $1^3/_8$ | $^5/_8$ |
| TWA120D30RA | 208-230/3/60 | 120,000 | 45 | 40 | 52 | 509 | 90 | 42.6 | 60 | $1^3/_8$ | $^1/_2$ |
| TWA073D40RA | 460/3/60 | 78,000 | 39 | 36 | 42 | 382 | 84 | 14.9 | 20 | $1^1/_8$ | $^1/_2$ |
| TWA090D40RA | 460/3/60 | 90,000 | 39 | 36 | 42 | 394 | 83 | 17.9 | 25 | $1^3/_8$ | $^5/_8$ |
| TWA120D40RA | 460/3/60 | 120,000 | 45 | 40 | 52 | 509 | 90 | 23.4 | 30 | $1^3/_8$ | $^1/_2$ |
| TWA073DW0RA | 575/3/60 | 78,000 | 39 | 36 | 42 | 382 | 84 | 11.6 | 15 | $1^1/_8$ | $^1/_2$ |
| TWA090DW0RA | 575/3/60 | 90,000 | 39 | 36 | 42 | 394 | 83 | 14.7 | 20 | $1^3/_8$ | $^5/_8$ |
| TWA120DW0RA | 575/3/60 | 120,000 | 45 | 40 | 52 | 509 | 90 | 17.4 | 25 | $1^3/_8$ | $^1/_2$ |

**Table SH-9-B — TWA Split System Heat Pumps — Dual Compressors with Two Sets of Refrigerant Circuits — R-410 Refrigerant**

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) | | | Shipping Weight (lbs.) | Sound① Rating | MCA* | Max. Fuse* | Line Size (in) OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | H | W | L | | | | | | |
| TWA180E30RA | 208-230/3/60 | 180,000 | 46 | 45 | 95 | 898 | 93 | 66.3 | 80 | $1^3/_8$ | $^1/_2$ |
| TWA240E30RA | 208-230/3/60 | 246,000 | 46 | 45 | 95 | 981 | 94 | 86.1 | 100 | $1^3/_8$ | $^5/_8$ |
| TWA180E40RA | 460/3/60 | 180,000 | 46 | 45 | 95 | 898 | 93 | 33.4 | 40 | $1^3/_8$ | $^1/_2$ |
| TWA240E40RA | 460/3/60 | 246,000 | 46 | 45 | 95 | 981 | 94 | 45.5 | 50 | $1^3/_8$ | $^5/_8$ |
| TWA180EW0RA | 575/3/60 | 180,000 | 46 | 45 | 95 | 898 | 93 | 27.4 | 30 | $1^3/_8$ | $^1/_2$ |
| TWA240EW0RA | 575/3/60 | 246,000 | 46 | 45 | 95 | 981 | 94 | 34.8 | 40 | $1^3/_8$ | $^5/_8$ |

① Sound rating show is tested in accordance with AHRI Standard 270 or 370.
* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

SH-9

Effective 1/1/13
14-1011-29

**TWA – 6-20 Tons**

- **ReliaTel™** controls (standard)
- (1) Scroll compressor (TWA073-120D)
- (2) Scroll compressors (TWA180-240E) with independent refrigerant circuits
- Single point power
- Compressor motor overload protection
- Compressor discharge temperature limit switch
- Control transformer
- High and low pressure cut-out switches
- Liquid line filter drier, factory installed
- Service valves with pressure taps
- Demand Defrost Control
- Internal pressure relief valves

- Electrical phase reversal protection
- Holding charge (Dry Nitrogen)
- Copper tube, aluminum plate fin coils
- Low ambient cooling to 50°F as shipped
- Low ambient cooling to 0°F with accessory head pressure control
- Mounting/lifting rails under base
- UL listed
- **5-year compressor warranty (TWA073D, TWA090D, TWA120D, TWA180E)**
- **1-year compressor warranty (TWA240E)**
- **1-year limited parts warranty**
- **Optional Extended Warranties**

```
1  2  3  4  5  6  7  8  9  10  11  12
T  W  A  0  9  0  D  3  0  0   A   0
```

**Compressor Type**
D = Single Compressor/Single Refrigerant Circuit, R-410A
E = Dual Compressor/Dual Refrigerant Circuit, R-410A
**Factory-Installed Options**
0R = ReliaTel™ Controls
0T = ReliaTel™ Controls and Black Epoxy Coated Coil

```
1  2  3  4  5  6  7  8  9  10  11  12
T  W  A  0  9  0  D  3  0  0   A   0
```

**Compressor Type**
D = Single Compressor/Single Refrigerant Circuit, R-410A
E = Dual Compressor/Dual Refrigerant Circuit, R-410A
**Factory-Installed Options**
HR = Hail Guard and ReliaTel™ Controls
HT = Hail Guard and ReliaTel™ Controls with Black Epoxy Coated Coil

**Table SH-10-A — TWA Split System Heat Pumps - Single Compressors with Single Refrigerant Circuits - R-22 Refrigerant**

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) | | | Shipping Weight (lbs.) | Sound① Rating | MCA* | Max. Fuse* | Line Size (in) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | H | W | L | | | | | OD Gas | OD Liq. |
| TWA090A30RG | 208-230/3/60 | 90,000 | 39 | 36 | 42 | 394 | 83 | 31.1 | 45 | 1³/₈ | ⁵/₈ |
| TWA120A30RG | 208-230/3/60 | 120,000 | 45 | 40 | 52 | 509 | 90 | 42.6 | 60 | 1³/₈ | ¹/₂ |
| TWA090A40RG | 460/3/60 | 90,000 | 39 | 36 | 42 | 394 | 83 | 15.2 | 25 | 1³/₈ | ⁵/₈ |
| TWA120A40RG | 460/3/60 | 120,000 | 45 | 40 | 52 | 509 | 90 | 21.9 | 30 | 1³/₈ | ¹/₂ |

**Table SH-10-B — TWA Split System Heat Pumps - Dual Compressors with Dual Refrigerant Circuits - R-22 Refrigerant**

| Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) | | | Shipping Weight (lbs.) | Sound① Rating | MCA* | Max. Fuse* | Line Size (in) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | H | W | L | | | | | OD Gas | OD Liq. |
| TWA180B30RG | 208-230/3/60 | 180,000 | 46 | 45 | 95 | 898 | 93 | 60.4 | 80 | 1³/₈ | ⁵/₈ |
| TWA240B30RG | 208-230/3/60 | 240,000 | 46 | 45 | 95 | 981 | 94 | 77.7 | 100 | 1³/₈ | ¹/₂ |
| TWA180B40RG | 460/3/60 | 180,000 | 46 | 45 | 95 | 898 | 93 | 29.5 | 40 | 1³/₈ | ⁵/₈ |
| TWA240B40RG | 460/3/60 | 240,000 | 46 | 45 | 95 | 981 | 94 | 39.9 | 50 | 1³/₈ | ¹/₂ |

① Sound rating show is tested in accordance with AHRI Standard 270 or 370.
* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

SH-10

Effective 1/1/13
14-1011-29

**Table SH-11-A — R-410A Optional Accessories**

| Model Number | Description | Used With |
|---|---|---|
| **Coil Guard** | | |
| BAYGARD058A | Hail/Vandal Guard | TWA 073D,090D |
| BAYGARD060A | Hail/Vandal Guard | TWA120D |
| BAYGARD061A | Hail/Vandal Guard | TWA180E,240E |
| **Isolators** | | |
| BAYISLT005A | Rubber Isolator Floor (black) | TWA073D-TWA120D |
| BAYISLT009A | Rubber Isolator Floor (red) | TWA180E |
| BAYISLT010A | Rubber Isolator Floor (green) | TWA240E |
| BAYISLT023A | Steel Spring Isolator Floor (red) | TWA073D, TWA090D, TWA120D |
| BAYISLT024A | Steel Spring Isolator Floor (black) | TWA180E |
| BAYISLT025A | Steel Spring Isolator Floor (yellow) | TWA240E |
| **Low Ambient** | | |
| BAYLOAMU01A[1][2][3] | On/Off Fan Control Mounted in External Enclosure (small cabinets) | TWA073D-090D (all voltages) |
| BAYLOAMU02A[2][3] | On/Off Fan Control Mounted in Unit Control Box (large cabinets) | TWA120D-240E (all voltages) |
| BAYLOAM335A[3][4] | Modulating ICM Head Pressure Control w/ 208-230V 0.5 HP Hi-Eff Motor (internal mount) | TWA073D, TWA090D3 |
| BAYLOAM336A[3][4] | Modulating ICM Head Pressure Control w/ 208-230V 1 HP Hi-Eff Motor (internal mount) | TWA120D3 |
| BAYLOAM435A[3][4] | Modulating ICM Head Pressure Control w/ 460V 0.5 HP Hi-Eff Motor (internal mount) | TWA073D4, TWA090D4 |
| BAYLOAM436A[3][4] | Modulating ICM Head Pressure Control w/ 460V 1.0 HP Hi-Eff Motor (internal mount) | TWA120D4 |
| BAYLOAMW36A[3][4] | Modulating ICM Head Pressure Control w/ 575V 1.0 HP Hi-Eff Motor (internal mount) | TWA120DW |
| **BACnet™ Communications Interface** | | |
| BAYBCIR001A | BACnet (BCI-R) Communications Interface | All |
| **Time Delay Relay** | | |
| BAYRLAY002 | Time Delay Relay | TWA090D-TWA240E |
| BAYRLAY005 | Heat Pump interlock relay | All TWA Units with BAYLOAM Application Requirements |
| **Wire Kit** | | |
| BAYWRKT003A[5] | Heat Pump configuration wiring harness | TWA180E, TWA240E |

[1] Kit mounts external to the outdoor unit and operates by sensing ambient and liquid line temperatures.
[2] Cycles fan on/off, (no modulating).
[3] Quantity of 1 required for each fan (2 total for TTA/TWA180-240).
[4] Heat pumps require BAYRLAY005 when modulating BAYLOAM kits are selected.
[5] Used on Dual circuit HP condensers with a field installed LCI card for independent mechanical heating operation configuration.

Split System Heat Pumps

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

SH-11

Effective 1/1/13
14-1011-29

**Table SC-12-A — ReliaTel™ Control Options**

| Model Number | Description | Used With |
|---|---|---|
| ASYSTAT107A | Zone Sensor, Set Point Adj, Fan, System, EH, LED | TWA073-TWA240 with ReliaTel™ Controls |
| ASYSTAT109A | Zone Sensor, 2 Set Point Adj, Fan, System, EH, LED | TWA073-TWA240 with ReliaTel™ Controls |
| ASYSTAT777A | Digital Programmable Zone Sensor with Night Setback | TWA073-TWA240, TTA073-TTA240 with ReliaTel™ Controls |
| BAYSENS050① | Wireless Zone Sensor | TWA073-TWA240 with ReliaTel™ Controls |
| BAYSENS073A | Room Sensor w/ Override and Cancel Button | TWA073-TWA240 with ReliaTel™ Controls |
| BAYSENS074A | Room Sensor w/ Temperature Adjustment and Override Button | TWA073-TWA240 with ReliaTel™ Controls |
| BAYSENS077A | Remote Sensor | ASYSTAT107A, ASYSTAT109A, ASYSTAT777A |
| BAYSENS110A | Dual Set Point w/ Manual/Auto Change Over | TWA073-TWA240 with ReliaTel™ Controls |

**Table SC-12-B — Electromechanical Control Options**

| Model Number | Description | Used With |
|---|---|---|
| ASYSTAT092A | 2H/2C Touch Screen Digital Display Programmable Thermostat "Touch Screen" | All |
| ASYSTAT093A | 3H/2C Digital Display Programmable Thermostat W/Humidity Sensor | All |

① Kit comes with everything required for installation and operation.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

SH-12

Effective 1/1/13
14-1011-29

## Protection/Operation Timings and Features

**Anti Short Cycle Timer (ASCT) Function** — Provides a three (3) minute minimum "ON" time and a three (3) minute minimum "OFF" time for compressors, enhances compressor reliability by ensuring proper oil return. **Standard**

**Built In Fan Delay Relay (FDR) Function** — Provides custom indoor fan timing sequences for the different types of equipment, enhancing efficiency and reliability. **Standard**

**Built In Night Set Back and Unoccupied Functions**[1] — When using a standard dual setpoint/auto change over Zone Sensor Module (ZSM), this function is enabled by applying a short across terminal J6-11 and J6-12. Sets cooling setpoint up a minimum of 7°F, sets heating setpoint back a minimum of 7°F, and forces fan operation to automatic. **(requires time clock accessory or field supplied/installed switch or contacts).**

**Built In "TEST" Mode** — Aids in quick verification of system and control operation, exercises both hardware and software (no special tools required). **Standard**

**Built In Unoccupied Mode**[1] — When using a standard single setpoint/manual change over Zone Sensor Module (ZSM), this function is enabled by applying a short across terminal J6-11 and J6-12. Forces fan operation to automatic. **(requires time clock accessory or field supplied/installed switch or contacts.)**

**Direct Digital Control (DDC)**[1] — Proportional Integral (PI) control. Proportional – sets corrective action proportional to deviation from setpoint. Integral – fine tunes the rate of corrective action proportional to the error (results in superior space temperature control). **Standard**

**Increased Reliability** — Fewer components (moving electro-mechanical parts), less likelihood of equipment down time or failure. **Standard**

**Integral Electric Heat Staging**[1] — Stages electric heaters "OFF" and "ON", eliminating the use of outdated sequencers. **Standard**

**Intelligent Fallback**[1] — A built in Default Control provides adaptive operation, which allows the equipment to continue to operate, providing comfort in the event of certain component failures. Also, allows emergency operation without a Zone Sensor Module (ZSM). **Standard**

**Low Ambient Start Timer (LAST) Function** — Bypasses low pressure control when a compressor starts, eliminating nuisance compressor lock outs. **Standard**

**Lower Installation Cost** — Using a standard Zone Sensor Module (ZSM), control voltage wiring may be run up to five (5) times further than any electromechanical system, with no increase in wire gauge. Example: Electromechanical System – 30 feet maximum using 22 gauge wire. Micro Control System – 150 feet using 22 gauge wire. **Standard**

**On Board Diagnostics**[1] — Assist with equipment troubleshooting, if a problem occurrence should take place. **Standard**

**Remote Sensing**[1] — All standard Zone Sensor Modules (ZSMs) have remote sensing capabilities, typically achieved by using an expensive program-mable thermostat and remote sensor with electromechanical equipment. **Accessory (requires use of remote sensor).**

**Space Temperature Averaging**[1] — All standard Zone Sensor Modules (ZSMs) have space temperature averaging capabilities, typically achieved by using an expensive programmable thermostat and minimum of four (4) remote sensors with electromechanical equipment. **Averaging with ReliaTel™ can be achieved with two (2) sensors.**

**Time Delay Relay (TDR) Function** — Provides an incremental staging delay between compressors, minimizes equipment current inrush and consumption by keeping compressors from starting simultaneously. **Standard**

**Low Pressure and High Pressure Compressor Lockout** — 3 trips will lockout control.

When the ReliaTel™ RTRM Thermostat Interface is used, equipment operation differs significantly. The basic equipment protection features remain intact, and the following features and benefits are lost:
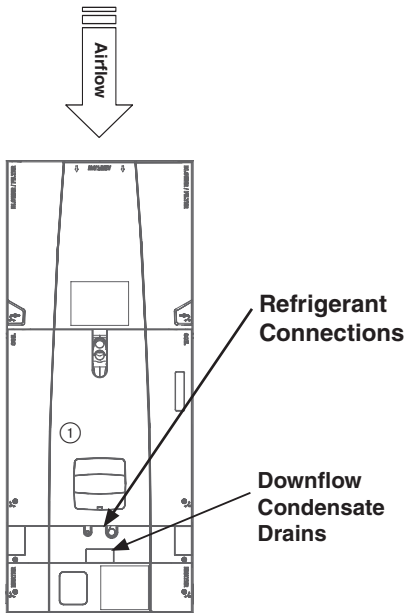
- Direct Digital Control (DDC) – Proportional Integral (PI) control is lost, equipment is controlled by a thermostat or generic building automation system device.
- Intelligent Fall back is lost, if a failure occurs in the device controlling the equipment, operation will cease.
- Installation is more costly, with the addition of a thermostat or generic control, the control wiring size must be increased.
- Remote Sensing capabilities are lost, unless generic control being applied can accomplish this.
- Space Temperature Averaging capabilities are lost, unless generic control being applied can accomplish this.
- Built In Night Set Back and Unoccupied functions are lost, unless generic control being applied can accomplish this.
- Built In Unoccupied Mode is lost, unless generic control being applied can accomplish this.

**Demand Defrost** — Defrosts only if needed, not based on time like most other systems, optmizing and lowering operating costs.

**Split System Heat Pumps**

[1] **Denotes features lost from utilizing standard conventional stat.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

SH-13

Effective 1/1/13
14-1011-29

# Multi-position Air Handler

## * Note:  No internal modifications required for any position.
① Badge rotation will keep brand in correct position

Airflow

Refrigerant
Connections

Downflow
Condensate
Drains

**Vertical Downflow***

Refrigerant
Connections

Upflow
Condensate
Drains

Airflow
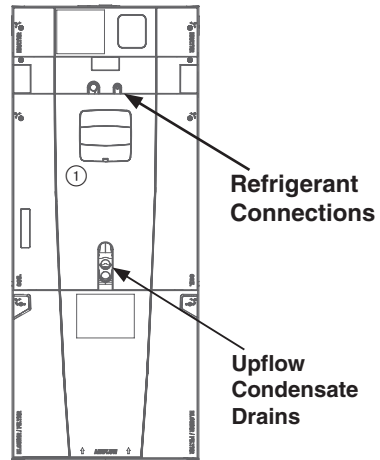
**Vertical Upflow***
**(as shipped)**

Refrigerant
Connections

Airflow

Horizontal Left
Condensate
Drains

**Horizontal Left***

Refrigerant
Connections

Airflow

Horizontal Right
Condensate
Drains
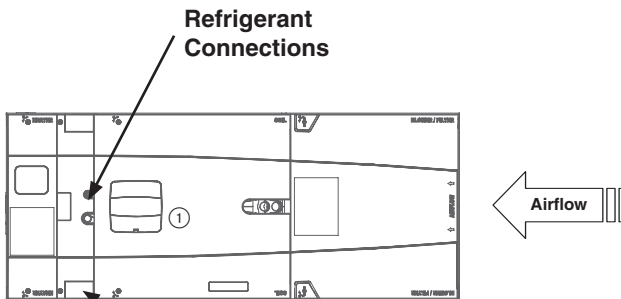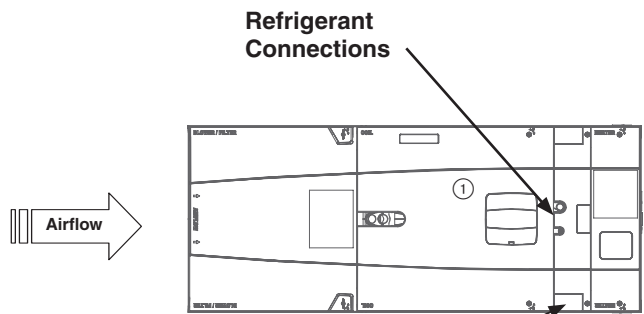
**Horizontal Right***

**Air Handlers/Heaters**

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

AH-1

Effective 1/1/13
14-1011-29

# Features and Benefits

① Unique Cabinet Design
② Precision Applied Durable Door Seals
⑤ Conduit Connection Locations
⑩ Electronic Expansion Valve (EEV)
③ Refrigeration Connections
⑬ Integrated Horizontal Drain Pans
⑧ All Aluminum Coil
④ Condensate Connections
⑥ Alert Code Viewport
⑭ Safety Door Switch
⑦ Vortica™ Blower
⑨ Labeled Panels and Connections
⑫ Compact 20.8" Depth with Doors Removed
⑪ Maximum width is 23.5"

① **Unique Cabinet Design**
 - Double wall foamed cabinet system
 - Waterproof Cabinet Design (No Thermal Breakage)
 - ≥ R-4.2 Insulating Value (Avg. Insulating Value R-8.2)
 - Composite Foamed Cabinet Doors
 - Sweat Eliminating Cabinet Design
 - Loose Fiber Eliminating Design
 - Smooth Cleanable Cabinet Design
② **Precision Applied Durable Door Seals**
③ **Refrigeration Connections**
④ **Condensate Connections**
⑤ **Conduit Connection Locations** - Dimples in cabinet mark Conduit Connection Locations for Left, Right, and Top
⑥ **Alert Code Viewport**
 - Alert Codes can be Viewed Without Door Removal
 - Control Protection Pocket
⑦ **Vortica™ Blower**
 - Polarized Plug Connections
 - Integrated Slide Deck for Easy Removal

⑧ **All Aluminum Coil**
 - Integrated Slide Deck for Easy Removal
 - Polarized Plug connections on Coil EEV
 - Patented Enhanced Coil Fin
⑨ **Labeled Panels and Connections**
⑩ **Electronic Expansion Valve (EEV)**
 - Low Ambient and Low Superheat Compressor Protection
 - Dual Refrigerant Compatible as Shipped
⑪ **Maximum width is 23.5"**
⑫ **Compact 20.8" Depth with Doors Removed**
⑬ **Integrated Horizontal Drain Pans**
⑭ **Safety Door Switch** - Fused 24V Power
⑮ **Modular Cabinet**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

AH-2

Effective 1/1/13
14-1011-29

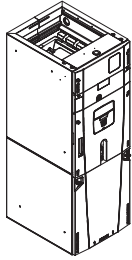# Series 8 Variable Speed Multi-Position Air Handlers 2-5 Tons

**Table AH-3-A — AccuLink™ Variable Speed R-410A with Smart Fan Options 200-230/1/60**

| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening | Return Opening | Filter Sizes | Line Size Gas | Liquid |
|---|---|---|---|---|---|---|---|---|
| TAM8A0A24V21CB | 24000 | 49.9 x 17.5 x 21.8 | 126 | 14.5 x 14.35 | 14.5 x 17.15 | 16 x 20 x 1 | $3/4$ | $3/8$ |
| TAM8A0B30V21CB | 30000 | 55.7 x 21.3 x 21.8 | 150 | 18.4 x 14.35 | 18.4 x 17.15 | 20 x 20 x 1 | $3/4$ | $3/8$ |
| TAM8A0C36V31CB | 36000 | 56.9 x 23.5 x 21.8 | 157 | 20.5 x 14.35 | 20.5 x 17.15 | 22 x 20 x 1 | $7/8$ | $3/8$ |
| TAM8A0C42V31CB | 42000 | 56.9 x 23.5 x 21.8 | 162 | 20.5 x 14.35 | 20.5 x 17.15 | 22 x 20 x 1 | $7/8$ | $3/8$ |
| TAM8A0C48V41CB | 48000 | 61.7 x 23.5 x 21.8 | 174 | 20.5 x 14.35 | 20.5 x 17.15 | 22 x 20 x 1 | $7/8$ | $3/8$ |
| TAM8A0C60V51CB | 60000 | 61.7 x 23.5 x 21.8 | 175 | 20.5 x 14.35 | 20.5 x 17.15 | 22 x 20 x 1 | $7/8$ | $3/8$ |
| TAM8B0C60V51CA | 60000 | 61.7 x 23.5 x 21.8 | 175 | 20.5 x 14.35 | 20.5 x 17.15 | 22 x 20 x 1 | $7/8$ | $3/8$ |

# Series 7 Variable Speed Multi-Position Air Handlers 2-5 Tons
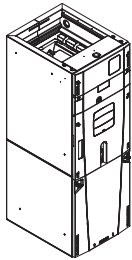
**Table AH-3-B — Variable Speed R-410A with Comfort-R™ Enhanced Mode Option 200-230/1/60**

| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening | Return Opening | Filter Sizes | Line Size Gas | Liquid |
|---|---|---|---|---|---|---|---|---|
| TAM7A0A24H21SB | 24000 | 49.9 x 17.5 x 21.8 | 126 | 14.5 x 14.35 | 14.5 x 17.15 | 16 x 20 x 1 | $3/4$ | $3/8$ |
| TAM7A0B30H21SB | 30000 | 55.7 x 21.3 x 21.8 | 150 | 18.4 x 14.35 | 18.4 x 17.15 | 20 x 20 x 1 | $3/4$ | $3/8$ |
| TAM7A0C36H31SB | 36000 | 56.9 x 23.5 x 21.8 | 157 | 20.5 x 14.35 | 20.5 x 17.15 | 22 x 20 x 1 | $7/8$ | $3/8$ |
| TAM7A0C42H31SB | 42000 | 56.9 x 23.5 x 21.8 | 162 | 20.5 x 14.35 | 20.5 x 17.15 | 22 x 20 x 1 | $7/8$ | $3/8$ |
| TAM7A0C48H41SB | 48000 | 61.7 x 23.5 x 21.8 | 174 | 20.5 x 14.35 | 20.5 x 17.15 | 22 x 20 x 1 | $7/8$ | $3/8$ |
| TAM7A0C60H51SB | 60000 | 61.7 x 23.5 x 21.8 | 175 | 20.5 x 14.35 | 20.5 x 17.15 | 22 x 20 x 1 | $7/8$ | $3/8$ |
| TAM7B0C60H51SA | 60000 | 61.7 x 23.5 x 21.8 | 175 | 20.5 x 14.35 | 20.5 x 17.15 | 22 x 20 x 1 | $7/8$ | $3/8$ |

Note: 1st digit change from A to T and 14th digit change from A to B represent a color change only. A model revisions should be ordered as long as available.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

**American Standard**
HEATING & AIR CONDITIONING

# Series 7 & 8 Variable Speed Multi-Position Air-Tite™ Air Handlers

**Air Handlers/Heaters**

| Table AH-4-A — Features | TAM7 2-5 | TAM8 2-5 |
|---|:---:|:---:|
| • Unique cabinet design | ✔ | ✔ |
| – 2% or less air leakage | ✔ | ✔ |
| – Precision applied - durable door seals | ✔ | ✔ |
| – Specially designed air seal around refrigerant, condensate and conduit connections | ✔ | ✔ |
| – Double wall foamed cabinet system | ✔ | ✔ |
| – ≥ R-4.2 insulating value (Avg. Insulating Value R-8.2) | ✔ | ✔ |
| – No loose fiber design | ✔ | ✔ |
| – Smooth cleanable interior design | ✔ | ✔ |
| – Sweat eliminating  design | ✔ | ✔ |
| – Composite foamed cabinet doors | ✔ | ✔ |
| – Water proof cabinet design | ✔ | ✔ |
| – Integrated horizontal drain pans | ✔ | ✔ |
| – Modular cabinet | ✔ | ✔ |
| • Multi-position up/down flow horizontal left/right | ✔ | ✔ |
| • Side return option (sold as accessory) | ✔ | ✔ |
| • Control board protection pocket built into cabinet wall | ✔ | ✔ |
| • Alert port to view control board codes without door removal | ✔ | ✔ |
| • **AccuLink™** control | — | ✔ |
| • Alert code notification | ✔ | ✔ |
| • 5 button user interface and clear description of set up | — | ✔ |
| • Service diagnostic with alert reported at user interface | — | ✔ |
| • Low voltage terminal connection point | ✔ | ✔ |
| • **Vortica®** blower with polarized plug connections and integrated slide deck for easy removal | ✔ | ✔ |
| • Aluminum coil with integrated slide deck for easy removal and polarized plug connections on coil EEV | ✔ | ✔ |
| • Patented enhanced coil fin | ✔ | ✔ |
| • Electronic Expansion Valve (EEV) with low ambient and low superheat compressor protection | ✔ | ✔ |
| • Dual refrigerant compatible as shipped | ✔ | ✔ |
| • Slide in electric heaters with polarized plug connections (sold as accessory) | ✔ | ✔ |
| • Slide in hot water coils with polarized plug connections (sold as accessory) | ✔ | ✔ |
| • UVC light kit with safety switch and polarized plug connections (sold as accessory) | ✔ | ✔ |
| • Labeled panels and connections | ✔ | ✔ |
| • Molded in 1" standard filter rail | ✔ | ✔ |
| • Variable speed ECM motor | ✔ | ✔ |
| • Soft start fan motor operation | ✔ | ✔ |
| • **Comfort R™** mode | ✔ | ✔ |
| • Built in fan delay modes | ✔ | ✔ |
| • Maximum width of 23.5" | ✔ | ✔ |
| • Compact 20.8" depth with doors removed | ✔ | ✔ |
| • Fused 24v power | ✔ | ✔ |
| • Safety door switch | ✔ | ✔ |
| • **10-year warranty registered** | ✔ | ✔ |
| • **Optional extended warranty available** | ✔ | ✔ |

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

AH-4

Effective 1/1/13
14-1011-29

# Series 7 & 8 Variable Speed
# Multi-Position Air-Tite™ Air Handlers

**Table AH-5-A — Optional Accessories**

| Model Number | Description | Matches Cabinet Size(s)① | TAM7 | TAM8 |
|---|---|---|:---:|:---:|
| BAYCC24VK01A | Compressor Module Kit | | — | ✔ |
| BAYWVAA05SC1AA | Hydronic Heater, 40,000 BTUH, Nominal, Slide-in, RS-485 Control③ | A | ✔ | ✔ |
| BAYWVBB07SC1AA | Hydronic Heater, 50,000 BTUH, Nominal, Slide-in, RS-485 Control③ | B | ✔ | ✔ |
| BAYWVCC08SC1AA | Hydronic Heater, 65,000 BTUH, Nominal, Slide-in, RS-485 Control③ | C | ✔ | ✔ |
| BAYWACC11SC1AA | Hydronic Heater, 100,000 BTUH, Nominal, External, No Control③ | C | ✔ | ✔ |
| BAYWVBRD485 | RS-485 Control for BAYWACC11SC1AA | C | ✔ | ✔ |
| BAYSUPFLGAA | Supply Duct Flange A | A | ✔ | ✔ |
| BAYSUPFLGBA | Supply Duct Flange B | B | ✔ | ✔ |
| BAYSUPFLGCA | Supply Duct Flange C | C | ✔ | ✔ |
| BAYRETFLGAA | Return Duct Flange A | A | ✔ | ✔ |
| BAYRETFLGBA | Return Duct Flange B | B | ✔ | ✔ |
| BAYRETFLGCA | Return Duct Flange C | C | ✔ | ✔ |
| TASB175SB②⑤ | Plenum Stand with Integrated Sound Baffle A | A | ✔ | ✔ |
| TASB215SB②⑤ | Plenum Stand with Integrated Sound Baffle B | B | ✔ | ✔ |
| TASB235SB②⑤ | Plenum Stand with Integrated Sound Baffle C | C | ✔ | ✔ |
| MTISRKIT1620② | Side Return Kit with 16"x20" Filter | A-C | ✔ | ✔ |
| TASSBK175②④ | Sound Baffle Kit 17.5" Cabinet | A | ✔ | ✔ |
| TASSBK215②④ | Sound Baffle Kit 21.5" Cabinet | B | ✔ | ✔ |
| TASSBK235②④ | Sound Baffle Kit 23.5" Cabinet | C | ✔ | ✔ |
| BAYSPEKT200 | Single Power Entry Kit | | ✔ | ✔ |
| BAYSRKIT100 | Side Return Kit | | ✔ | ✔ |
| BAYICSKIT01 | Internal Condensate Switch Kit | | ✔ | ✔ |
| BAYHHKIT001 | Horizontal Hanger Kit | | ✔ | ✔ |
| BAYUVCLK001 | UVC Lights | | ✔ | ✔ |
| BAYLVKIT100 | Low Voltage Conduit Entry Kit | | ✔ | ✔ |

① A Cabinet is 17.5" wide, B Cabinet is 21.5" wide, C Cabinet is 23.5" wide.
② Contact your distributor for information.
③ ACONT900 Thermostat can not be used with Hydronic heating.
④ In return plenum applications, use TASSBK kits for sound reduction.
⑤ In open air applications, Plenum Stand with Sound Baffle provides sound reduction.

Air Handlers/Heaters

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.
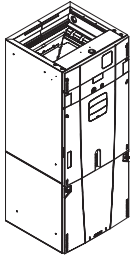
AH-5

Effective 1/1/13
14-1011-29

**Table AH-6-A — Multi-Speed PSC Motor 200-230/1/60**

| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening | Return Opening | Filter Sizes | Line Size Gas | Liquid |
|---|---|---|---|---|---|---|---|---|
| TAM4A0A18S11SB | 18000 | 49.9 x 17.5x 21.8 | 123 | 14.5 x 14.35 | 14.5 x 17.15 | 16 x 20 x 1 | $3/4$ | $3/8$ |
| TAM4A0A24S21SB | 24000 | 49.9 x 17.5x 21.8 | 126 | 14.5 x 14.35 | 14.5 x 17.15 | 16 x 20 x 1 | $3/4$ | $3/8$ |
| TAM4A0A30S21SB | 30000 | 49.9 x 17.5x 21.8 | 127 | 14.5 x 14.35 | 14.5 x 17.15 | 16 x 20 x 1 | $7/8$ | $3/8$ |
| TAM4A0A36S31SB | 36000 | 49.9 x 17.5x 21.8 | 130 | 14.5 x 14.35 | 14.5 x 17.15 | 16 x 20 x 1 | $7/8$ | $3/8$ |
| TAM4A0B42S31SB | 42000 | 55.7 x 21.3x 21.8 | 144 | 18.4 x 14.35 | 18.4 x 17.15 | 20 x 20 x 1 | $7/8$ | $3/8$ |
| TAM4A0C48S41SB | 48000 | 56.9 x 23.5x 21.8 | 155 | 20.5 x 14.35 | 20.5 x 17.15 | 20 x 20 x 1 | $7/8$ | $3/8$ |
| TAM4A0C60S51SB① | 60000 | 61.7 x 23.5x 21.8 | 171 | 20.5 x 14.35 | 20.5 x 17.15 | 22 x 20 x 1 | $7/8$ | $3/8$ |

① High efficiency ECM motor.
Note: 1st digit change from A to T and 14th digit change from A to B represent a color change only. A model revisions should be ordered as long as available.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

AH-6

Effective 1/1/13
14-1011-29

**Table AH-7-A — Features**

| Feature | TAM4 1 1/2-5 |
|---|:---:|
| • Unique cabinet design | ✔ |
| – 2% or less air leakage | ✔ |
| – Precision applied - durable door seals | ✔ |
| – Specially designed air seal around refrigerant, condensate and conduit connections | ✔ |
| – Double wall foamed cabinet system | ✔ |
| – ≥ R-4.2 insulating value (Avg. Insulating Value R-8.2) | ✔ |
| – No loose fiber design | ✔ |
| – Smooth cleanable interior design | ✔ |
| – Sweat eliminating  design | ✔ |
| – Composite foamed cabinet doors | ✔ |
| – Water proof cabinet design | ✔ |
| – Integrated horizontal drain pans | ✔ |
| – Modular cabinet | ✔ |
| • Multi-position up/down flow horizontal left/right | ✔ |
| • Side return option (sold as accessory) | ✔ |
| • Control board protection pocket built into cabinet wall | ✔ |
| • Alert port to view control board codes without door removal | ✔ |
| • Alert code notification | ✔ |
| • Low voltage terminal connection point | ✔ |
| • **Vortica®** blower with polarized plug connections and integrated slide deck for easy removal | ✔ |
| • Aluminum coil with integrated slide deck for easy removal and polarized plug connections on coil EEV | ✔ |
| • Enhanced coil fin patented | ✔ |
| • Electronic Expansion Valve (EEV) with low ambient and low superheat compressor protection | ✔ |
| • Dual refrigerant compatible as shipped | ✔ |
| • Slide in electric heaters with polarized plug connections (sold as accessory) | ✔ |
| • UVC light kit with safety switch and polarized plug connections (sold as accessory) | ✔ |
| • Labeled panels and connections | ✔ |
| • Molded in 1" standard filter rail | ✔ |
| • PSC 3 speed motor | 1½-4 |
| • High efficiency ECM motor | 5 |
| • Maximum width of 23.5" | ✔ |
| • Compact 20.8" depth with doors removed | ✔ |
| • Fused 24v power | ✔ |
| • Safety door switch | ✔ |
| • **10-year warranty registered** | ✔ |
| • **Optional extended warranty available** | ✔ |

**Table AH-7-B — Optional Accessories**

| Model Number | Description | Matches Cabinet Size(s)① | TAM4 |
|---|---|---|:---:|
| BAYSUPFLGAA | Supply Duct Flange A | A | ✔ |
| BAYSUPFLGBA | Supply Duct Flange B | B | ✔ |
| BAYSUPFLGCA | Supply Duct Flange C | C | ✔ |
| BAYRETFLGAA | Return Duct Flange A | A | ✔ |
| BAYRETFLGBA | Return Duct Flange B | B | ✔ |
| BAYRETFLGCA | Return Duct Flange C | C | ✔ |
| TASB175SB②④ | Plenum Stand with Integrated Sound Baffle A | A | ✔ |
| TASB215SB②④ | Plenum Stand with Integrated Sound Baffle B | B | ✔ |
| TASB235SB②④ | Plenum Stand with Integrated Sound Baffle C | C | ✔ |
| MTISRKIT1620② | Side Return Kit with 16"x20" Filter | A-C | ✔ |
| TASSBK175②③ | Sound Baffle Kit 17.5" Cabinet | A | ✔ |
| TASSBK215②③ | Sound Baffle Kit 21.5" Cabinet | B | ✔ |
| TASSBK235②③ | Sound Baffle Kit 23.5" Cabinet | C | ✔ |
| BAYSPEKT200 | Single Power Entry Kit | | ✔ |
| BAYSRKIT100 | Side Return Kit | | ✔ |
| BAYICSKIT01 | Internal Condensate Switch Kit | | ✔ |
| BAYHHKIT001 | Horizontal Hanger Kit | | ✔ |
| BAYUVCLK001 | UVC Lights | | ✔ |
| BAYLVKIT100A | Low Voltage Conduit Entry Kit | | ✔ |

① A Cabinet is 17.5" wide, B Cabinet is 21.5" wide, C Cabinet is 23.5" wide.
② Contact your distributor for information.
③ In return plenum applications, use TASSBK kits for sound reduction.
④ In open air applications, Plenum Stand with Sound Baffle provides sound reduction.

**Air Handlers/Heaters**

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

**American Standard**
HEATING & AIR CONDITIONING

**Table AH-8-A — Multi-Speed High Efficiency Motor 200-230/1/60**

| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening | Return Opening | Filter Sizes | Line Size Gas | Liquid |
|---|---|---|---|---|---|---|---|---|
| GAM5A0A18M11SA | 18000 | 49.9 x 17.5 x 21.8 | 126 | 14.5 x 14.35 | 14.5 x 17.15 | 16 x 20 x 1 | $^3/_4$ | $^3/_8$ |
| GAM5A0A24M21SA | 24000 | 49.9 x 17.5 x 21.8 | 126 | 14.5 x 14.35 | 14.5 x 17.15 | 16 x 20 x 1 | $^3/_4$ | $^3/_8$ |
| GAM5A0B30M21SA | 30000 | 51.5 x 21.3 x 21.8 | 140 | 18.4 x 14.35 | 18.4 x 17.15 | 20 x 20 x 1 | $^3/_4$ | $^3/_8$ |
| GAM5A0B36M31SA | 36000 | 55.7 x 21.3 x 21.8 | 150 | 18.4 x 14.35 | 18.4 x 17.15 | 20 x 20 x 1 | $^7/_8$ | $^3/_8$ |
| GAM5A0C42M31SA | 42000 | 56.9 x 23.5 x 21.8 | 163 | 20.5 x 14.35 | 20.5 x 17.15 | 22 x 20 x 1 | $^7/_8$ | $^3/_8$ |
| GAM5A0C48M41SA | 48000 | 61.7 x 23.5 x 21.8 | 176 | 20.5 x 14.35 | 20.5 x 17.15 | 22 x 20 x 1 | $^7/_8$ | $^3/_8$ |
| GAM5A0C60M51SA | 60000 | 61.7 x 23.5 x 21.8 | 180 | 20.5 x 14.35 | 20.5 x 17.15 | 22 x 20 x 1 | $^7/_8$ | $^3/_8$ |

**Air Handlers/Heaters**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

# Series 5 Multi-Position Air Handlers
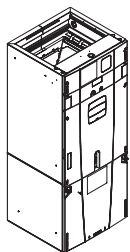# Single Phase 1½-5 Tons

**Table AH-9-A — Features**

|  | GAM5 1 1/2-5 |
|---|:---:|
| • Unique cabinet design | ✔ |
| – 2% or less air leakage | ✔ |
| – Precision applied - durable door seals | ✔ |
| – Specially designed air seal around refrigerant, condensate and conduit connections | ✔ |
| – Double wall foamed cabinet system | ✔ |
| – ≥ R-4.2 insulating value (Avg. Insulating Value R-8.2) | ✔ |
| – No loose fiber design | ✔ |
| – Smooth cleanable interior design | ✔ |
| – Sweat eliminating design | ✔ |
| – Composite foamed cabinet doors | ✔ |
| – Water proof cabinet design | ✔ |
| – Integrated horizontal drain pans | ✔ |
| – Modular cabinet with 5/16" allen wrench "quick latch" design | ✔ |
| • Multi-position up/down flow horizontal left/right | ✔ |
| • Side return option (sold as accessory) | ✔ |
| • Control board protection pocket built into cabinet wall | ✔ |
| • Alert port to view control board codes without door removal | ✔ |
| • Alert code notification | ✔ |
| • Low voltage terminal connection point | ✔ |
| • **Vortica®** blower with polarized plug connections and integrated slide deck for easy removal | ✔ |
| • Aluminum coil with integrated slide deck for easy removal and polarized plug connections on coil EEV | ✔ |
| • Patented enhanced coil fin | ✔ |
| • Electronic Expansion Valve (EEV) with low ambient and low superheat compressor protection | ✔ |
| • Dual refrigerant compatible as shipped | ✔ |
| • Slide in electric heaters with polarized plug connections (sold as accessory) | ✔ |
| • UVC light kit with safety switch and polarized plug connections (sold as accessory) | ✔ |
| • Labeled panels and connections | ✔ |
| • Molded in 1" standard filter rail | ✔ |
| • High efficiency ECM motor | ✔ |
| • Maximum width of 23.5" | ✔ |
| • Compact 20.8" depth with doors removed | ✔ |
| • Fused 24v power | ✔ |
| • Safety door switch | ✔ |
| • **10-year warranty registered** | ✔ |
| • **Optional extended warranty available** | ✔ |

**Table AH-9-B — Optional Accessories**

| Model Number | Description | Matches Cabinet Size(s)① | GAM5 |
|---|---|---|:---:|
| BAYWAAA05SC1AA | Hydronic Heater, 40,000 BTUH, Nominal, Slide-in, No Control | A | ✔ |
| BAYWABB07SC1AA | Hydronic Heater, 50,000 BTUH, Nominal, Slide-in, No Control | B | ✔ |
| BAYWACC08SC1AA | Hydronic Heater, 65,000 BTUH, Nominal, Slide-in, No Control | C | ✔ |
| BAYWACC11SC1AA | Hydronic Heater, 100,000 BTUH, Nominal, Slide-in, No Control | C | ✔ |
| BAYSUPFLGAA | Supply Duct Flange A | A | ✔ |
| BAYSUPFLGBA | Supply Duct Flange B | B | ✔ |
| BAYSUPFLGCA | Supply Duct Flange C | C | ✔ |
| BAYRETFLGAA | Return Duct Flange A | A | ✔ |
| BAYRETFLGBA | Return Duct Flange B | B | ✔ |
| BAYRETFLGCA | Return Duct Flange C | C | ✔ |
| TASB175SB②④ | Plenum Stand with Integrated Sound Baffle A | A | ✔ |
| TASB215SB②④ | Plenum Stand with Integrated Sound Baffle B | B | ✔ |
| TASB235SB②④ | Plenum Stand with Integrated Sound Baffle C | C | ✔ |
| MTISRKIT1620② | Side Return Kit with 16"x20" Filter | A-C | ✔ |
| TASSBK175②③ | Sound Baffle Kit 17.5" Cabinet | A | ✔ |
| TASSBK215②③ | Sound Baffle Kit 21.5" Cabinet | B | ✔ |
| TASSBK235②③ | Sound Baffle Kit 23.5" Cabinet | C | ✔ |
| BAYSPEKT200 | Single Power Entry Kit | | ✔ |
| BAYSRKIT100 | Side Return Kit | | ✔ |
| BAYICSKIT01 | Internal Condensate Switch Kit | | ✔ |
| BAYHHKIT001 | Horizontal Hanger Kit | | ✔ |
| BAYUVCLK001 | UVC Lights | | ✔ |
| BAYLVKIT100A | Low Voltage Conduit Entry Kit | | ✔ |

① A Cabinet is 17.5" wide, B Cabinet is 21.5" wide, C Cabinet is 23.5" wide.
② Contact your distributor for information.
③ In return plenum applications, use TASSBK kits for sound reduction.
④ In open air applications, Plenum Stand with Sound Baffle provides sound reduction.

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

**Air Handlers/Heaters**

# Series 2 Split System Air Handlers Single Phase 1½-5 Tons

**Table AH-10-A — Multi-Speed PSC Motor 200-230/1/60**

| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening | Return Opening | Filter Sizes | Line Size Gas | Liquid |
|---|---|---|---|---|---|---|---|---|
| GAF2A0A18S11SA | 18000 | 39.5 x 17.5 x 21.8 | 117 | 14.5 x 16.75 | 14.5 x 17.8 | N/A | $3/4$ | $3/8$ |
| GAF2A0A24S21SA | 24000 | 39.5 x 17.5 x 21.8 | 120 | 14.5 x 16.75 | 14.5 x 17.8 | N/A | $3/4$ | $3/8$ |
| GAF2A0A30S21SA | 30000 | 39.5 x 17.5 x 21.8 | 121 | 14.5 x 16.75 | 14.5 x 17.8 | N/A | $3/4$ | $3/8$ |
| GAF2A0A36S31SA | 36000 | 39.5 x 17.5 x 21.8 | 122 | 14.5 x 16.75 | 14.5 x 17.8 | N/A | $3/4$ | $3/8$ |

**Table AH-10-B — Multi-Speed High Efficiency ECM Motor 200-230/1/60**

| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening | Return Opening | Filter Sizes | Line Size Gas | Liquid |
|---|---|---|---|---|---|---|---|---|
| GAF2A0A36M31SA | 36000 | 39.5 x 17.5 x 21.8 | 118 | 14.5 x 14.35 | 14.5 x 17.15 | N/A | $3/4$ | $3/8$ |
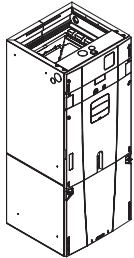
**Table AH-10-C — Multi-Speed PSC Motor 200-230/1/60**

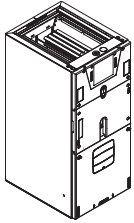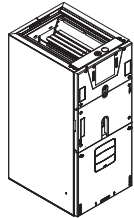| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening | Return Opening | Filter Sizes | Line Size Gas | Liquid |
|---|---|---|---|---|---|---|---|---|
| GAM2A0A18S11SA | 18000 | 49.9 x 17.5 x 21.8 | 123 | 14.5 x 14.35 | 14.5 x 17.15 | 16 x 20 x 1 | $3/4$ | $3/8$ |
| GAM2A0A24S21SA | 24000 | 49.9 x 17.5 x 21.8 | 126 | 14.5 x 14.35 | 14.5 x 17.15 | 16 x 20 x 1 | $3/4$ | $3/8$ |
| GAM2A0A30S21SA | 30000 | 49.9 x 17.5 x 21.8 | 127 | 14.5 x 14.35 | 14.5 x 17.15 | 16 x 20 x 1 | $3/4$ | $3/8$ |
| GAM2A0A36S31SA | 36000 | 49.9 x 17.5 x 21.8 | 131 | 14.5 x 14.35 | 14.5 x 17.15 | 16 x 20 x 1 | $3/4$ | $3/8$ |
| GAM2A0B42S31SA | 42000 | 55.7 x 21.3 x 21.8 | 144 | 18.4 x 14.35 | 18.4 x 17.15 | 20 x 20 x 1 | $7/8$ | $3/8$ |
| GAM2A0C48S41SA | 48000 | 56.9 x 23.5 x 21.8 | 155 | 20.5 x 14.35 | 20.5 x 17.15 | 22 x 20 x 1 | $7/8$ | $3/8$ |
| GAM2A0C60S51SA① | 60000 | 61.7 x 23.5 x 21.8 | 171 | 20.5 x 14.35 | 20.5 x 17.15 | 22 x 20 x 1 | $7/8$ | $3/8$ |

① High efficiency ECM Motor

**Table AH-10-D — Multi-Speed PSC Motor 200-230/1/60**

| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening | Return Opening | Filter Sizes | Line Size Gas | Liquid |
|---|---|---|---|---|---|---|---|---|
| GAT2A0B42S31SA | 42000 | 55.7 x 21.3 x 21.8 | 144 | 18.4 x 14.35 | 18.4 x 17.15 | 20 x 20 x 1 | $7/8$ | $3/8$ |
| GAT2A0C48S41SA | 48000 | 56.9 x 23.5 x 21.8 | 155 | 20.5 x 14.35 | 20.5 x 17.15 | 20 x 20 x 1 | $7/8$ | $3/8$ |
| GAT2A0C60S51SA | 60000 | 61.7 x 23.5 x 21.8 | 171 | 20.5 x 14.35 | 20.5 x 17.15 | 22 x 20 x 1 | $7/8$ | $3/8$ |

**Air Handlers/Heaters**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

AH-10

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14-1011-29

![American Standard logo] American Standard®
HEATING & AIR CONDITIONING

# Series 2 Split System Air Handlers
# Single Phase 1½-5 Tons

**Table AH-11-A — Features**

| | GAF2 1 1/2-3 | GAT2 3 1/2-5 | GAM2 1 1/2-5 |
|---|:---:|:---:|:---:|
| • Unique cabinet design | ✔ | ✔ | ✔ |
| – 2% or less air leakage | ✔ | ✔ | ✔ |
| – Precision applied - durable door seals | ✔ | ✔ | ✔ |
| – Specially designed air seal around refrigerant, condensate and conduit connections | ✔ | ✔ | ✔ |
| – Double wall foamed cabinet system | ✔ | ✔ | ✔ |
| – ≥ R-4.2 insulating value (Avg. Insulating Value R-8.2) | ✔ | ✔ | ✔ |
| – No loose fiber design | ✔ | ✔ | ✔ |
| – Smooth cleanable interior design | ✔ | ✔ | ✔ |
| – Sweat eliminating design | ✔ | ✔ | ✔ |
| – Composite foamed cabinet doors | ✔ | ✔ | ✔ |
| – Water proof cabinet design | ✔ | ✔ | ✔ |
| – Integrated horizontal drain pans | ✔ | ✔ | ✔ |
| • 3 way conversion up flow/horizontal left/right | ✔ | ✔ | — |
| • 4 way conversion upflow/downflow/horizontal right/horizontal left | — | — | ✔ |
| • Front return option | ✔ | — | — |
| • Control board protection pocket built into cabinet wall | ✔ | ✔ | ✔ |
| • Low voltage terminal connection point | ✔ | ✔ | ✔ |
| • **Vortica®** blower with polarized plug connections and integrated slide deck for easy removal | ✔ | ✔ | ✔ |
| • Aluminum coil with integrated slide deck for easy removal and polarized plug connections on coil EEV (GAF2A0A36M311SA) | 3 | — | — |
| • Patented enhanced coil fin | ✔ | ✔ | ✔ |
| • R-410A TXV | ✔ | ✔ | ✔ |
| • Slide in electric heaters with polarized plug connections (sold as accessory) | — | ✔ | ✔ |
| • UVC light kit with safety switch and polarized plug connections (sold as accessory) | — | ✔ | ✔ |
| • Labeled panels and connections | ✔ | ✔ | ✔ |
| • Molded in 1" standard filter rail | — | ✔ | ✔ |
| • PSC 3 speed motor | ✔ | ✔ | ✔ |
| • High efficiency constant torque ECM motor (GAF2A0A36M311SA, GAT2A0C60S51SA, and GAM2A0C60S51SA) | 3 | 5 | 5 |
| • Maximum width of 23.5" | ✔ | ✔ | ✔ |
| • Compact 20.8" depth with doors removed | ✔ | ✔ | ✔ |
| • Fused 24v power | ✔ | ✔ | ✔ |
| • Safety door switch | ✔ | ✔ | ✔ |
| • **10-year warranty registered** | ✔ | ✔ | ✔ |
| • **Optional extended warranty available** | ✔ | ✔ | ✔ |

*(GAT2 column overprinted "PHASING OUT")*

**Table AH-11-B — Optional Accessories**

| Model Number | Description | Matches Cabinet Size(s)①③ | GAF2 | GAT2 | GAM2 |
|---|---|---|:---:|:---:|:---:|
| BAYATXV1836 | R-22 TXV conversion kit 1-1/2 to 3 ton | | ✔ | — | ✔ |
| BAYATXV4248 | R-22 TXV conversion kit 3-1/2 to 4 ton | | — | ✔ | ✔ |
| BAYATXV6060 | R-22 TXV conversion kit 5 ton | | — | ✔ | ✔ |
| BAYSFSCABAA | Supply Duct Flange A1 | A1 | ✔ | — | — |
| BAYSUPFLGAA | Supply Duct Flange A | A | — | — | ✔ |
| BAYSUPFLGBA | Supply Duct Flange B | B | — | — | ✔ |
| BAYSUPFLGCA | Supply Duct Flange C | C | — | — | ✔ |
| BAYRETFLGAA | Return Duct Flange A, A1 | A, A1 | ✔ | — | — |
| BAYRETFLGBA | Return Duct Flange B | B | — | ✔ | ✔ |
| BAYRETFLGCA | Return Duct Flange C | C | — | ✔ | ✔ |
| TASB175SB②⑤ | Plenum Stand with Integrated Sound Baffle A | A | ✔ | — | ✔ |
| TASB215SB②⑤ | Plenum Stand with Integrated Sound Baffle B | B | — | ✔ | ✔ |
| TASB235SB②⑤ | Plenum Stand with Integrated Sound Baffle C | C | — | ✔ | ✔ |
| MTISRKIT1620② | Side Return Kit with 16"x20" Filter | A-C | ✔ | ✔ | ✔ |
| TASSBK175②④ | Sound Baffle Kit 17.5" Cabinet | A | ✔ | — | ✔ |
| TASSBK215②④ | Sound Baffle Kit 21.5" Cabinet | B | — | ✔ | ✔ |
| TASSBK235②④ | Sound Baffle Kit 23.5" Cabinet | C | — | ✔ | ✔ |
| BAYSPEKT200 | Single Power Entry Kit | | — | ✔ | ✔ |
| BAYFRKIT100 | Front Return Kit | | ✔ | — | — |
| BAYBRFBX100 | Bottom Return Filter Box | | ✔ | — | — |
| BAYSRKIT100 | Side Return Kit | | — | — | ✔ |
| BAYICSKIT01 | Internal Condensate Switch Kit | | ✔ | ✔ | ✔ |
| BAYWMKIT001 | Wall Mount Kit | | ✔ | — | — |
| BAYHHKIT001 | Horizontal Hanger Kit | | — | ✔ | ✔ |
| BAYUVCLK001 | UVC Lights | | — | ✔ | ✔ |
| BAYLVKIT100 | Low Voltage Conduit Entry Kit | | ✔ | ✔ | ✔ |
| BAYECPDKIT1 | Pull disconnect kit | A1 | ✔ | — | — |

*(GAT2 column overprinted "PHASING OUT")*

① A1 Cabinet is 17.5" wide, B Cabinet is 21.5" wide, C Cabinet is 23.5" wide.
② Contact your distributor for information.
③ The A1 cabinet is used on the GAF2 air handlers only.
④ In return plenum applications, use TASSBK kits for sound reduction.
⑤ In open air applications, Plenum Stand with Sound Baffle provides sound reduction..

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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14-1011-29

**Air Handlers/Heaters**

## Table AH-12-A — BAYEA — Heater, Standard, for 4 Series, 5 Series, and GAT2 Air Handlers

| Heater Model Number | Capacity @ 240 Volts kW | BTUH | Capacity @ 208 Volts kW | Rated BTUH | Voltage | Control Stages | Number of Heater Racks | Number of Circuits | Heater Amps per Circuit 208 Volts | 240Volt | Contains Circuit Breakers |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BAYEAAC05BK1AA | 4.80 | 16400 | 3.60 | 12300 | 208/240/1/60 | 1 | 1 | 1 | 17.3 | 20 | Yes |
| BAYEAAC05LG1AA | 4.80 | 16400 | 3.60 | 12300 | 208/240/1/60 | 1 | 1 | 1 | 17.3 | 20 | No |
| BAYEAAC08BK1AA | 7.68 | 26200 | 5.76 | 19700 | 208/240/1/60 | 2 | 2 | 1 | 27.7 | 32 | Yes |
| BAYEAAC08LG1AA | 7.68 | 26200 | 5.76 | 19700 | 208/240/1/60 | 2 | 2 | 1 | 27.7 | 32 | No |
| BAYEAAC10BK1AA | 9.60 | 32800 | 7.20 | 24600 | 208/240/1/60 | 2 | 2 | 1 | 34.6 | 40 | Yes |
| BAYEAAC10LG1AA | 9.60 | 32800 | 7.20 | 24600 | 208/240/1/60 | 2 | 2 | 1 | 34.6 | 40 | No |
| BAYEABC15BK1AA | 14.40 | 49200 | 10.80 | 36900 | 208/240/1/60 | 3 | 3 | 2 | 34.6/17.3 | 40/20 | Yes |
| BAYEABC20BK1AA | 19.20 | 65600 | 14.40 | 49200 | 208/240/1/60 | 4 | 4 | 2 | 34.6/34.6 | 40/40 | Yes |
| BAYEACC25BK1AA | 24.00 | 82000 | 18.00 | 61500 | 208/240/1/60 | 5 | 5 | 3 | 34.6/34.6/17.3 | 40/40/20 | Yes |

BK = Contains circuit breakers
LG = Contains lug connections

## Table AH-12-B — BAYEV — Heater, Standard, for 7 and 8 Series Air Handlers

| Heater Model Number | Capacity @ 240 Volts kW | BTUH | Capacity @ 208 Volts kW | Rated BTUH | Voltage | Control Stages | Number of Heater Racks | Number of Circuits | Heater Amps per Circuit 208 Volts | 240Volt | Contains Circuit Breakers |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BAYEVAC05BK1AA | 4.80 | 16400 | 3.60 | 12300 | 208/240/1/60 | 1 | 1 | 1 | 17.3 | 20 | Yes |
| BAYEVAC05LG1AA | 4.80 | 16400 | 3.60 | 12300 | 208/240/1/60 | 1 | 1 | 1 | 17.3 | 20 | No |
| BAYEVAC08BK1AA | 7.68 | 26200 | 5.76 | 19700 | 208/240/1/60 | 2 | 2 | 1 | 27.7 | 32 | Yes |
| BAYEVAC08LG1AA | 7.68 | 26200 | 5.76 | 19700 | 208/240/1/60 | 2 | 2 | 1 | 27.7 | 32 | No |
| BAYEVAC10BK1AA | 9.60 | 32800 | 7.20 | 24600 | 208/240/1/60 | 2 | 2 | 1 | 34.6 | 40 | Yes |
| BAYEVAC10LG1AA | 9.60 | 32800 | 7.20 | 24600 | 208/240/1/60 | 2 | 2 | 1 | 34.6 | 40 | No |
| BAYEVBC15BK1AA | 14.40 | 49200 | 10.80 | 36900 | 208/240/1/60 | 3 | 3 | 2 | 34.6/17.3 | 40/20 | Yes |
| BAYEVBC20BK1AA | 19.20 | 65600 | 14.40 | 49200 | 208/240/1/60 | 4 | 4 | 2 | 34.6/34.6 | 40/40 | Yes |
| BAYEVCC25BK1AA | 24.00 | 82000 | 18.00 | 61500 | 208/240/1/60 | 5 | 5 | 3 | 34.6/34.6/17.3 | 40/40/20 | Yes |

BK = Contains circuit breakers
LG = Contains lug connections

## Table AH-12-C — BAYEC — Heater, Compact, with Lugs, for GAF2 Air Handlers

| Heater Model Number | Capacity @ 240 Volts kW | BTUH | Capacity @ 208 Volts kW | Rated BTUH | Voltage | Control Stages | Number of Heater Racks | Number of Circuits | Heater Amps per Circuit 208 Volts | 240Volt | Contains Circuit Breakers |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BAYECAA05LG1AA | 4.80 | 16400 | 3.60 | 12300 | 208/240/1/60 | 1 | 1 | 1 | 17.3 | 20 | No |
| BAYECAA08LG1AA | 7.68 | 26200 | 5.76 | 19700 | 208/240/1/60 | 2 | 2 | 1 | 27.7 | 32 | No |
| BAYECAA10LG1AA | 9.60 | 32800 | 7.20 | 24600 | 208/240/1/60 | 2 | 2 | 1 | 34.6 | 40 | No |

## Table AH-12-D — BAYEV — Heater, 3-Phase, for 7 and 8 Series Air Handlers

| Heater Model Number | Capacity @ 240 Volts kW | BTUH | Capacity @ 208 Volts kW | Rated BTUH | Voltage | Control Stages | Number of Heater Racks | Number of Circuits | Heater Amps per Circuit 208 Volts | 240Volt | Contains Circuit Breakers |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BAYEVAC10LG3AA | 9.60 | 32800 | 7.20 | 24600 | 208/240/3/60 | 1 | 3 | 1 | 20.0 | 23.1 | No |
| BAYEVBC15LG3AA | 14.40 | 49200 | 10.80 | 36900 | 208/240/3/60 | 1 | 3 | 1 | 30.0 | 34.6 | No |

**Air Handlers/Heaters**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Heaters for Multi-Position Air Handlers

**Table AH-13-A — Air Handler/Heater Matrix**

| AIR HANDLER MODEL NUMBER | HEATER MODEL NUMBER BAYEA- | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | AC05BK1AA 4.80 Kw BK | AC05LG1AA 4.80 Kw LG | AC08BK1AA 7.68 Kw BK | AC08LG1AA 7.68 Kw LG | AC10BK1AA 9.60 Kw BK | AC10LG1AA 9.60 Kw LG | BC15BK1AA 14.40 Kw BK | BC20BK1AA 19.20 Kw BK | CC25BK1AA 24.00 Kw BK |
| GAM5A0A18M11SA | Y | Y | Y | Y | Y | Y | — | — | — |
| GAM5A0A24M21SA | Y | Y | Y | Y | Y | Y | — | — | — |
| GAM5A0B30M21SA | Y | Y | Y | Y | Y | Y | Y | — | — |
| GAM5A0B36M31SA | Y | Y | Y | Y | Y | Y | Y | — | — |
| GAM5A0C42M31SA | Y | Y | Y | Y | Y | Y | Y | — | — |
| GAM5A0C48M41SA | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| GAM5A0C60M51SA | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| | | | | | | | | | |
| TAM4A0A18S11SB | Y | Y | Y | Y | Y | Y | — | — | — |
| TAM4A0A24S21SB | Y | Y | Y | Y | Y | Y | — | — | — |
| TAM4A0A30S21SB | Y | Y | Y | Y | Y | Y | Y | — | — |
| TAM4A0A36S31SB | Y | Y | Y | Y | Y | Y | Y | — | — |
| TAM4A0B42S31SB | Y | Y | Y | Y | Y | Y | Y | Y | — |
| TAM4A0C48S41SB | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| TAM4A0C60S51SB | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| | | | | | | | | | |
| GAT2A0B42S31SA | Y | Y | Y | Y | Y | Y | Y | Y | — |
| GAT2A0B48S41SA | Y | Y | Y | Y | Y | Y | Y | Y | — |
| GAT2A0B48S4ASA | Y | Y | Y | Y | Y | Y | Y | Y | — |
| GAT2A0C60S51SA | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| GAT2A0C60S5ASA | Y | Y | Y | Y | Y | Y | Y | Y | Y |

| AIR HANDLER MODEL NUMBER | HEATER MODEL NUMBER BAYEV- | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| TAM8A0A24V21CB | Y | Y | Y | Y | Y | Y | — | — | — |
| TAM8A0B30V21CB | Y | Y | Y | Y | Y | Y | Y | — | — |
| TAM8A0C36V31CB | Y | Y | Y | Y | Y | Y | Y | Y | — |
| TAM8A0C42V31CB | Y | Y | Y | Y | Y | Y | Y | Y | — |
| TAM8A0C48V41CB | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| TAM8A0C60V51CB | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| TAM8A0C61V51CB | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| | | | | | | | | | |
| TAM7A0A24H21SB | Y | Y | Y | Y | Y | Y | — | — | — |
| TAM7A0B30H21SB | Y | Y | Y | Y | Y | Y | Y | — | — |
| TAM7A0C36H31SB | Y | Y | Y | Y | Y | Y | Y | Y | — |
| TAM7A0C42H31SB | Y | Y | Y | Y | Y | Y | Y | Y | — |
| TAM7A0C48H41SB | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| TAM7A0C60H51SB | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| TAM7A0C61H51SB | Y | Y | Y | Y | Y | Y | Y | Y | Y |

| AIR HANDLER MODEL NUMBER | HEATER MODEL NUMBER BAYEC- | | |
|---|---|---|---|
| | AA05LG1AA 4.80 Kw BK | AA08LG1AA 7.68 Kw LG | AA10LG1AA 9.60 Kw LG |
| GAF2A0A18S11SA | Y | Y | Y |
| GAF2A0A24S21SA | Y | Y | Y |
| GAF2A0A30S21SA | Y | Y | Y |
| GAF2A0A36M31SA | Y | Y | Y |
| GAF2A0A36S31SA | Y | Y | Y |
| GAF2A0A36S3ASA | Y | Y | Y |

| AIR HANDLER MODEL NUMBER | HEATER MODEL NUMBER BAYEA- | |
|---|---|---|
| | AC10LG3AA 9.60 Kw LG | BC15LG3AA 9.60 Kw LG |
| GAM5A0A18M11SA | Y | — |
| GAM5A0A24M21SA | Y | — |
| GAM5A0B30M21SA | Y | Y |
| GAM5A0B36M31SA | Y | Y |
| GAM5A0C42M31SA | Y | Y |
| GAM5A0C48M41SA | Y | Y |
| GAM5A0C60M51SA | Y | Y |
| | | |
| TAM4A0A18S11S | Y | — |
| TAM4A0A24S21S | Y | — |
| TAM4A0A30S21S | Y | Y |
| TAM4A0A36S31S | Y | Y |
| TAM4A0B42S31S | Y | Y |
| TAM4A0C48S41S | Y | Y |
| TAM4A0C60S51S | Y | Y |
| | | |
| GAT2A0B42S31SA | Y | Y |
| GAT2A0C48S41SA | Y | Y |
| GAT2A0C60S51SA | Y | Y |

| AIR HANDLER MODEL NUMBER | HEATER MODEL NUMBER BAYEV- | |
|---|---|---|
| | AC10LG3AA 9.60 Kw LG | BC15LG3AA 14.4 Kw LG |
| TAM8A0A24V21CB | Y | — |
| TAM8A0B30V21CB | Y | Y |
| TAM8A0C36V31CB | Y | Y |
| TAM8A0C42V31CB | Y | Y |
| TAM8A0C48V41CB | Y | Y |
| TAM8A0C60V51CB | Y | Y |
| TAM8A0C61V51CB | Y | Y |
| | | |
| TAM7A0A24H21SB | Y | — |
| TAM7A0B30H21SB | Y | Y |
| TAM7A0C36H31SB | Y | Y |
| TAM7A0C42H31SB | Y | Y |
| TAM7A0C48H41SB | Y | Y |
| TAM7A0C60H51SB | Y | Y |
| TAM7A0C61H51SB | Y | Y |

BK = Contains circuit breakers
LG = Contains lug connections
BK = Contains circuit breakers
LG = Contains lug connections

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.
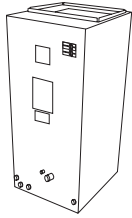
**Air Handlers/Heaters**

# Silver Series Air Handlers

**Table AH-14-A — Convertible Air Handler**

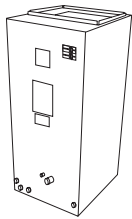| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening | Return Opening | Filter Sizes | Line Size Gas | Liquid |
|---|---|---|---|---|---|---|---|---|
| 4FWCA024A1000A | 24000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWCA025A1000A | 24000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWCA030A1000A | 30000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWCA031A1000A | 30000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWCA036A1000A | 36000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWCA048A1000A | 48000 | 51.0 x 23.0 x 22.5 | 94 | 21.75 x 15.5 | 19 x 19.5 | Remote* | $7/8$ | $3/8$ |
| 4FWCA049A1000A | 48000 | 51.0 x 23.0 x 22.5 | 94 | 21.75 x 15.5 | 19 x 19.5 | Remote* | $7/8$ | $3/8$ |
| 4FWCA060A1000A | 60000 | 51.0 x 23.0 x 22.5 | 94 | 21.75 x 15.5 | 19 x 19.5 | Remote* | $7/8$ | $3/8$ |
| 4FWCA061A1000A | 60000 | 51.0 x 23.0 x 22.5 | 94 | 21.75 x 15.5 | 19 x 19.5 | Remote* | $7/8$ | $3/8$ |

**Table AH-14-B — Convertible Air Handler - R4.2 models**

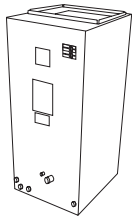| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening | Return Opening | Filter Sizes | Line Size Gas | Liquid |
|---|---|---|---|---|---|---|---|---|
| 4FWCF024A1000A | 24000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWCF025A1000A | 24000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWCF030A1000A | 30000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWCF031A1000A | 30000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWCF036A1000A | 36000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWCF048A1000A | 48000 | 51.0 x 23.0 x 22.5 | 94 | 21.75 x 15.5 | 19 x 19.5 | Remote* | $7/8$ | $3/8$ |
| 4FWCF049A1000A | 48000 | 51.0 x 23.0 x 22.5 | 94 | 21.75 x 15.5 | 19 x 19.5 | Remote* | $7/8$ | $3/8$ |
| 4FWCF060A1000A | 60000 | 51.0 x 23.0 x 22.5 | 94 | 21.75 x 15.5 | 19 x 19.5 | Remote* | $7/8$ | $3/8$ |
| 4FWCF061A1000A | 60000 | 51.0 x 23.0 x 22.5 | 94 | 21.75 x 15.5 | 19 x 19.5 | Remote* | $7/8$ | $3/8$ |

**Table AH-14-C — Convertible Air Handler - Constant Torque ECM Motor**

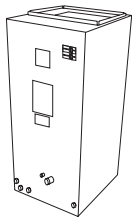| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening | Return Opening | Filter Sizes | Line Size Gas | Liquid |
|---|---|---|---|---|---|---|---|---|
| 4FWHA024A1000A | 24000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWHA025A1000A | 24000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWHA030A1000A | 30000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWHA036A1000A | 30000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWHA042A1000A | 42000 | 51.0 x 23.0 x 22.5 | 94 | 21.75 x 15.5 | 19 x 19.5 | Remote* | $7/8$ | $3/8$ |
| 4FWHA048A1000A | 48000 | 51.0 x 23.0 x 22.5 | 94 | 21.75 x 15.5 | 19 x 19.5 | Remote* | $7/8$ | $3/8$ |
| 4FWHA060A1000A | 60000 | 51.0 x 23.0 x 22.5 | 94 | 21.75 x 15.5 | 19 x 19.5 | Remote* | $7/8$ | $3/8$ |
| 4FWHA061A1000A | 60000 | 51.0 x 23.0 x 22.5 | 94 | 21.75 x 15.5 | 19 x 19.5 | Remote* | $7/8$ | $3/8$ |

**Table AH-14-D — Convertible Air Handler - Constant Torque ECM Motor - R4.2 Models**

| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening | Return Opening | Filter Sizes | Line Size Gas | Liquid |
|---|---|---|---|---|---|---|---|---|
| 4FWHF024A1000A | 24000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWHF025A1000A | 24000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWHF030A1000A | 30000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWHF036A1000A | 36000 | 45.0 x 19.75 x 21.5 | 73 | 18.25 x 15.0 | 15.75 x 18.75 | Remote* | $3/4$ | $3/8$ |
| 4FWHF042A1000A | 42000 | 51.0 x 23.0 x 22.5 | 94 | 21.75 x 15.5 | 19 x 19.5 | Remote* | $7/8$ | $3/8$ |
| 4FWHF048A1000A | 48000 | 51.0 x 23.0 x 22.5 | 94 | 21.75 x 15.5 | 19 x 19.5 | Remote* | $7/8$ | $3/8$ |
| 4FWHF060A1000A | 60000 | 51.0 x 23.0 x 22.5 | 94 | 21.75 x 15.5 | 19 x 19.5 | Remote* | $7/8$ | $3/8$ |
| 4FWHF061A1000A | 60000 | 51.0 x 23.0 x 22.5 | 94 | 21.75 x 15.5 | 19 x 19.5 | Remote* | $7/8$ | $3/8$ |

*Field Supplied

**Air Handlers/Heaters**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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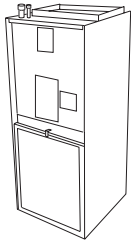14-1011-29

# Silver Series Air Handlers

**Table AH-15-A — Stud Mount Air Handler with Factory Installed Electric Heat**

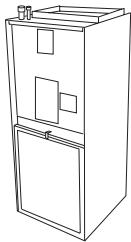| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening | Return Opening | Filter Sizes | Line Size Gas | Liquid |
|---|---|---|---|---|---|---|---|---|
| 4FWMA024A1005A | 24000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMA024A1DS5A | 24000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMA024A1008A | 24000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMA024A1DS8A | 24000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMA024A1010A | 24000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMA024A1DS10A | 24000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMA030A1008A | 30000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMA030A1DS8A | 30000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMA030A1010A | 30000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMA030A1DS10A | 30000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMA031A1008A | 30000 | 40 x 20.5 x 22 | 65 | 15 x 19 | 20 x 20 | 20 x 20 x 1 | $3/4$ | $3/8$ |
| 4FWMA031A1DS8A | 30000 | 40 x 20.5 x 22 | 65 | 15 x 19 | 20 x 20 | 20 x 20 x 1 | $3/4$ | $3/8$ |
| 4FWMA031A1010A | 30000 | 40 x 20.5 x 22 | 65 | 15 x 19 | 20 x 20 | 20 x 20 x 1 | $3/4$ | $3/8$ |
| 4FWMA031A1DS10A | 30000 | 40 x 20.5 x 22 | 65 | 15 x 19 | 20 x 20 | 20 x 20 x 1 | $3/4$ | $3/8$ |
| 4FWMA036A1010A | 36000 | 40 x 20.5 x 22 | 65 | 15 x 19 | 20 x 20 | 20 x 20 x 1 | $3/4$ | $3/8$ |
| 4FWMA036A1DS10A | 36000 | 40 x 20.5 x 22 | 65 | 15 x 19 | 20 x 20 | 20 x 20 x 1 | $3/4$ | $3/8$ |
| 4FWMA036A1015A | 36000 | 40 x 20.5 x 22 | 65 | 15 x 19 | 20 x 20 | 20 x 20 x 1 | $3/4$ | $3/8$ |

**Table AH-15-B — Stud Mount Air Handler with Factory Installed Electric Heat - R4.2 Models**

| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening | Return Opening | Filter Sizes | Line Size Gas | Liquid |
|---|---|---|---|---|---|---|---|---|
| 4FWMF024A1005A | 24000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMF024A1DS5A | 24000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMF024A1008A | 24000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMF024A1DS8A | 24000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMF024A1010A | 24000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMF024A1DS10A | 24000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMF030A1008A | 30000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMF030A1DS8A | 30000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMF030A1010A | 30000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMF030A1DS10A | 30000 | 36.75 x 18.25 x 18 | 57 | 11 x 16.5 | 18 x 18 | 18 x 18 x 1 | $3/4$ | $3/8$ |
| 4FWMF031A1008A | 30000 | 40 x 20.5 x 22 | 65 | 15 x 19 | 20 x 20 | 20 x 20 x 1 | $3/4$ | $3/8$ |
| 4FWMF031A1DS8A | 30000 | 40 x 20.5 x 22 | 65 | 15 x 19 | 20 x 20 | 20 x 20 x 1 | $3/4$ | $3/8$ |
| 4FWMF031A1010A | 30000 | 40 x 20.5 x 22 | 65 | 15 x 19 | 20 x 20 | 20 x 20 x 1 | $3/4$ | $3/8$ |
| 4FWMF031A1DS10A | 30000 | 40 x 20.5 x 22 | 65 | 15 x 19 | 20 x 20 | 20 x 20 x 1 | $3/4$ | $3/8$ |
| 4FWMF036A1010A | 36000 | 40 x 20.5 x 22 | 65 | 15 x 19 | 20 x 20 | 20 x 20 x 1 | $3/4$ | $3/8$ |
| 4FWMF036A1DS10A | 36000 | 40 x 20.5 x 22 | 65 | 15 x 19 | 20 x 20 | 20 x 20 x 1 | $3/4$ | $3/8$ |
| 4FWMF036A1015A | 36000 | 40 x 20.5 x 22 | 65 | 15 x 19 | 20 x 20 | 20 x 20 x 1 | $3/4$ | $3/8$ |

**Table AH-15-C — Optional Accessories**

| Model Number | Description | 4FWMA/F |
|---|---|---|
| BAYFPNLWAL01AA | Wall Return Grill, Louvered | 024-030 |
| BAYFPNLWAL02AA | Wall Return Grill, Louvered | 031-036 |
| BAYFPNLLOU01AA | Unit Return Grill, Louvered | 024-030 |
| BAYFPNLLOU02AA | Unit Return Grill, Louvered | 031-036 |
| BAYFPNLSOL01AA | Lower Coil Panel, Solid | 024-030 |
| BAYFPNLSOL02AA | Lower Coil Panel, Solid | 031-036 |

Air Handlers/Heaters

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Silver Series Air Handlers

**Table AH-16-A — Furr-Down Air Handlers - Uncased with Factory Installed Electric Heat**

| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening | Return Opening | Filter Sizes | Line Size Gas | Liquid |
|---|---|---|---|---|---|---|---|---|
| 4FWDA022A1005A | 24000 | 10.25 x 37.25 x 22 | 60 | 7 x 30 | 37.25 x 22 | Remote* | $3/4$ | $3/8$ |
| 4FWDA022A1008A | 24000 | 10.25 x 37.25 x 22 | 60 | 7 x 30 | 37.25 x 22 | Remote* | $3/4$ | $3/8$ |
| 4FWDA022A1010A | 24000 | 10.25 x 37.25 x 22 | 60 | 7 x 30 | 37.25 x 22 | Remote* | $3/4$ | $3/8$ |
| 4FWDA024A1005A | 24000 | 10.25 x 43.25 x 22 | 64 | 7 x 36 | 43.25 x 22 | Remote* | $3/4$ | $3/8$ |
| 4FWDA024A1008A | 24000 | 10.25 x 43.25 x 22 | 64 | 7 x 36 | 43.25 x 22 | Remote* | $3/4$ | $3/8$ |
| 4FWDA024A1010A | 24000 | 10.25 x 43.25 x 22 | 64 | 7 x 36 | 43.25 x 22 | Remote* | $3/4$ | $3/8$ |
| 4FWDA030A1008A | 30000 | 10.25 x 43.25 x 22 | 64 | 7 x 36 | 43.25 x 22 | Remote* | $3/4$ | $3/8$ |
| 4FWDA030A1010A | 30000 | 10.25 x 43.25 x 22 | 64 | 7 x 36 | 43.25 x 22 | Remote* | $3/4$ | $3/8$ |
| 4FWDA036A1010A | 36000 | 10.25 x 43.25 x 22 | 74 | 7 x 42 | 43.25 x 22 | Remote* | $3/4$ | $3/8$ |

**Table AH-16-B — Furr-Down Uncased Air Handlers and Heater Matrix — 4FWDA**

| AIR HANDLER MODEL NUMBER WITH FACTORY INSTALLED HEATER | | | |
|---|---|---|---|
| Model + | 5 Kw Terminal Block | 8 Kw Terminal Block | 10 Kw Terminal Block |
| 4FWDA022① | A1005A | A1008A | A1010A |
| 4FWDA024 | A1005A | A1008A | A1010A |
| 4FWDA030 | N/A | A1008A | A1010A |
| 4FWDA036 | N/A | N/A | A1010A |

Note: Complete model number includes air handler size plus factory installed heater selection.
Example: 4FWDA024A1005A = a 2 ton air handler with 5 Kw electric heater with terminal block
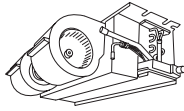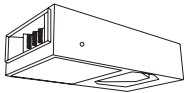①This model for AC applications only.

**Table AH-16-C — Furr-Down Air Handlers - Cased with Factory Installed Electric Heat**

| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening | Return Opening | Filter Sizes | Line Size Gas | Liquid |
|---|---|---|---|---|---|---|---|---|
| 4FWFA024A1005A | 24000 | 12 x 47 x 22.5 | 55 | 8 x 20.75 | 21 x 21.5 | 22 x 22 x 1 | $3/4$ | $3/8$ |
| 4FWFA024A1008A | 24000 | 12 x 47 x 22.5 | 55 | 8 x 20.75 | 21 x 21.5 | 22 x 22 x 1 | $3/4$ | $3/8$ |
| 4FWFA024A1010A | 24000 | 12 x 47 x 22.5 | 55 | 8 x 20.75 | 21 x 21.5 | 22 x 22 x 1 | $3/4$ | $3/8$ |
| 4FWFA030A1008A | 30000 | 12 x 47 x 22.5 | 55 | 8 x 20.75 | 21 x 21.5 | 22 x 22 x 1 | $3/4$ | $3/8$ |
| 4FWFA030A1010A | 30000 | 12 x 47 x 22.5 | 60 | 8 x 20.75 | 21 x 21.5 | 22 x 22 x 1 | $3/4$ | $3/8$ |
| 4FWFA031A1008A | 30000 | 12 x 51 x 22.5 | 60 | 8 x 20.75 | 21 x 21.5 | 22 x 22 x 1 | $3/4$ | $3/8$ |
| 4FWFA031A1010A | 30000 | 12 x 51 x 22.5 | 60 | 8 x 20.75 | 21 x 21.5 | 22 x 22 x 1 | $3/4$ | $3/8$ |
| 4FWFA036A1010A | 36000 | 12 x 51 x 22.5 | 60 | 8 x 20.75 | 21 x 21.5 | 22 x 22 x 1 | $3/4$ | $3/8$ |

*Field Supplied

**Table AH-16-D — Furr-Down Air Handlers - Cased with Factory Installed Electric Heat — 4FWFA**

| AIR HANDLER MODEL NUMBER WITH FACTORY INSTALLED HEATER | | | |
|---|---|---|---|
| Model + | 5 Kw Terminal Block | 8 Kw Terminal Block | 10 Kw Terminal Block |
| 4FWFA024 | A1005A | A1008A | A1010A |
| 4FWFA030,31 | N/A | A1008A | A1010A |
| 4FWFA036 | N/A | N/A | A1010A |

Note: Complete model number includes air handler size plus factory installed heater selection.
Example: 4FWFA024A1005A = a 2 ton air handler with 5 Kw electric heater with terminal block.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

**Table AH-17-A — Heaters Silver Series Air Handlers**

| BAYHTR -- HEATER DATA | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HEATER MODEL NUMBER | CAPACITY @ 240 VOLT | | CAPACITY @ 208 VOLT | | VOLTAGE | CONTROL STAGES | NUMBER OF HEATER RACKS | NO. OF CIR-CUITS | HEATER AMPS PER CIRCUIT 208 VOLT | HEATER AMPS PER CIRCUIT 240 VOLT | CONTAINS CIRCUIT BREAKERS |
| | kW | BTUH | kW | BTUH | | | | | | | |
| BAYHTR**1403SL0 | 3 | 10200 | 2.25 | 7700 | 208/240/1/60 | 1 | 1 | 1 | 10.8 | 12.5 | No |
| BAYHTR**1405SL0 | 4.8 | 16400 | 3.6 | 12300 | 208/240/1/60 | 1 | 1 | 1 | 17.3 | 20 | No |
| BAYHTR**1406SL0 | 6 | 20500 | 4.5 | 15400 | 208/240/1/60 | 1 | 1 | 1 | 21.6 | 25 | No |
| BAYHTR**1408SL0 | 8 | 27300 | 6 | 20500 | 208/240/1/60 | 1 | 2 | 1 | 28.8 | 33.3 | No |
| BAYHTR**1410SL0 | 9.6 | 32800 | 7.2 | 24600 | 208/240/1/60 | 1 | 2 | 1 | 34.6 | 40 | No |
| BAYHTRBK1415SL0 | 14.4 | 49100 | 10.8 | 36800 | 208/240/1/60 | 1 | 3 | 2 | 34.6/17.3 | 40/20 | Yes |
| BAYHTRBK1420SL0 | 19.2 | 65500 | 14.4 | 49100 | 208/240/1/60 | 1 | 4 | 2 | 34.6/34.6 | 40/40 | Yes |
| BAYHTRDS1405BL0 | 4.8 | 16400 | 3.6 | 12300 | 208/240/1/60 | 1 | 1 | 1 | 17.3 | 20 | No |
| BAYHTRDS1408BL0 | 8 | 27300 | 6 | 20500 | 208/240/1/60 | 1 | 2 | 1 | 28.8 | 33.3 | No |
| BAYHTR**1410BL0 | 9.6 | 32800 | 7.2 | 24600 | 208/240/1/60 | 1 | 2 | 1 | 34.6 | 40 | No |
| BAYHTRBK1415BL0 | 14.4 | 49100 | 10.8 | 36800 | 208/240/1/60 | 1 | 3 | 2 | 34.6/17.3 | 40/20 | Yes |
| BAYHTRBK1420BL0 | 19.2 | 65500 | 14.4 | 49100 | 208/240/1/60 | 1 | 4 | 2 | 34.6/34.6 | 40/40 | Yes |
| Note: Heaters with two circuits are displayed as Circuit 1/Circuit 2 (Minimum Circuit Ampacity for Circuit 1 includes Blower Motor Amp) | | | | | | | | | | | |
| ** = DS or Blank (DS = Pull Disconnect, Blank = terminal block) | | | | | | | | | | | |

**Air Handlers/Heaters**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Heaters Silver Series Air Handlers

**Table AH-18-A — Heaters Silver Series Air Handlers**

| MINIMUM HEATING AIRFLOW CFM - HEATER MATRIX | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **4FWCA, 4FWCF AIR HANDLER** | **HEATER** | | | | | | | | | | | |
| MODEL NUMBER | BAYHTR1403SL0 BAYHTRDS1403SL0 3 kw | BAYHTR1405SL0 BAYHTRDS1405SL0 5 kw | BAYHTR1406SL0 BAYHTRDS1406SL0 6 kw | BAYHTR1408SL0 BAYHTRDS1408SL0 8 kw | BAYHTR1410SL0 BAYHTRDS1410SL0 10 kw | BAYHTRBK1415SL0 15 kw | BAYHTRBK1420SL0 20 kw | BAYHTR1405BL0 - 5 kw | BAYHTR1408BL0 - 8 kw | BAYHTR1410BL0 BAYHTRDS1410BL0 10 kw | BAYHTRBK1415BL0 15 kw | BAYHTRBK1420BL0 20 kw |
| 4FWCA024A100A / 4FWCF024A100A 4FWCA025A100A / 4FWCF025A100A | L / L | L / L | L / L | L / L | M / L | | | | | | | |
| 4FWCA030A100A / 4FWCF030A100A 4FWCA031A100A / 4FWCF031A100A | L / L | L / L | L / L | L / L | L / L | L / L | | | | | | |
| 4FWCA036A100A / 4FWCF036A100A | L / L | L / L | L / L | L / L | L / L | M / L | M / L | | | | | |
| 4FWCA048A100A / 4FWCF048A100A 4FWCA049A100A / 4FWCF049A100A | | | | | | | | L / L | L / L | L / L | M / L | H / M |
| 4FWCA060A100A / 4FWCF060A100A 4FWCA061A100A / 4FWCF061A100A | | | | | | | | L / L | L / L | L / L | L / L | M / M |
| HEAT PUMP / COOLING | | | | | | | | | | | | |

| MINIMUM HEATING AIRFLOW CFM - HEATER MATRIX | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **4FWHA, 4FWHF AIR HANDLER** | **HEATER** | | | | | | | | | | | |
| MODEL NUMBER | BAYHTR1403SL0 BAYHTRDS1403SL0 3 kw | BAYHTR1405SL0 BAYHTRDS1405SL0 5 kw | BAYHTR1406SL0 BAYHTRDS1406SL0 6 kw | BAYHTR1408SL0 BAYHTRDS1408SL0 8 kw | BAYHTR1410SL0 BAYHTRDS1410SL0 10 kw | BAYHTRBK1415SL0 15 kw | BAYHTRBK1420SL0 20 kw | BAYHTR1405BL0 - 5 kw | BAYHTR1408BL0 - 8 kw | BAYHTR1410BL0 BAYHTRDS1410BL0 10 kw | BAYHTRBK1415BL0 15 kw | BAYHTRBK1420BL0 20 kw |
| 4FWHA024A100A / 4FWHF024A100A 4FWHA025A100A / 4FWHF025A100A | Tap 1 / Tap 1 | Tap 1 / Tap 1 | Tap 1 / Tap 1 | Tap 2 / Tap 1 | Tap 3 / Tap 2 | | | | | | | |
| 4FWHA030A100A / 4FWHF030A100A | Tap 1 / Tap 1 | Tap 1 / Tap 1 | Tap 1 / Tap 1 | Tap 1 / Tap 1 | Tap 2 / Tap 1 | Tap 3 / Tap 2 | | | | | | |
| 4FWHA036A100A / 4FWHF036A100A | Tap 1 / Tap 1 | Tap 1 / Tap 1 | Tap 1 / Tap 1 | Tap 1 / Tap 1 | Tap 2 / Tap 1 | Tap 3 / Tap 2 | Tap 3 / Tap 3 | | | | | |
| 4FWHA042A100A / 4FWHF042A100A | | | | | | | | Tap 1 / Tap 1 | Tap 1 / Tap 1 | Tap 1 / Tap 1 | Tap 2 / Tap 1 | Tap 3 / Tap 2 |
| 4FWHA048A100A / 4FWHF048A100A | | | | | | | | Tap 1 / Tap 1 | Tap 1 / Tap 1 | Tap 1 / Tap 1 | Tap 1 / Tap 1 | Tap 2 / Tap 1 |
| 4FWHA060A100A / 4FWHF060A100A 4FWHA061A100A / 4FWHF061A100A | | | | | | | | Tap 1 / Tap 1 | Tap 1 / Tap 1 | Tap 1 / Tap 1 | Tap 2 / Tap 1 | Tap 3 / Tap 2 |
| HEAT PUMP / COOLING | | | | | | | | | | | | |

**Air Handlers/Heaters**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

# Split System Air Handlers
# Single Phase 1½-5 Tons
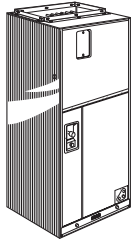
**4TEH3F**

**Table AH-19-A — R-410A Standard Efficiency Fully Convertible (200-230/1/60)⑦**

| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening①② | Return Opening① | Filter Sizes | Line Size Gas | Line Size Liquid |
|---|---|---|---|---|---|---|---|---|
| 4TEC3F24B1000A⑤ | 24,000 | 43x21.5x21 | 121 | 18.22x11.02 | 19.5x18.07 | 20x20x1 | $5/8$ | $5/16$ |
| 4TEC3F36B1000A⑤ | 36,000 | 45x21.5x21 | 135 | 18.22x11.02 | 19.5x18.07 | 20x20x1 | $3/4$ | $3/8$ |
| 4TEC3F42C1000A⑥ | 42,000 | 51.8x23.5x21 | 165 | 20.22x11.02 | 21.5x18.07 | 20x20x1 | $3/4$ | $3/8$ |
| 4TEC3F48B1000A④⑤ | 48,000 | 57.9x23.5x21 | 188 | 20.22x11.02 | 21.5x18.07 | 20x20x1 | $7/8$ | $3/8$ |
| 4TEC3F60B1000A④⑥ | 60,000 | 57.9x23.5x21 | 193 | 20.22x11.02 | 21.5x18.07 | 20x22x1 | $7/8$ | $3/8$ |

① Actual opening does not include flange.
② Adjustable duct flange allows for a flush fit with 1½ inch insulation or ¾ inch or 1 inch insulation.
③ Two piece cabinet.
④ Two piece cabinet with Vortica™.
⑤ 3 fan speed.
⑥ 4 fan speed.
⑦ Metering Device = TXV-NB.

**Table AH-19-B — Features**

| Feature | 4TEC3F 2-5 |
|---|---|
| • 200/230 volt primary & 24 volt secondary transformer | ✔ |
| • **Air-Tite™** cabinet meets or exceeds Florida's 2% leakage criteria | ✔ |
| • Approved for modular or manufactured homes | ✔ |
| • Compact 21" depth for easy installation | ✔ |
| • Corrosion resistant galvanized metal with attractive finish | ✔ |
| • Enhanced internally finned coil tubes | ✔ |
| • External access to heater circuit boards | ✔ |
| • Factory installed non-bleed TXV with mechanical fittings | ✔ |
| • Full line 1-1/2 - 5 tons | ✔ |
| • Insulated cabinet | ✔ |
| • Low voltage wire nut connectors | ✔ |
| • Multi-speed blower motor; five ton model with direct drive ECM motor | ✔ |
| • Polarized plugs for making electrical connections from air handler control box to heaters | ✔ |
| • Ships vertical - converts to horizontal by laying on side | ✔ |
| • Six-way convertibility: horizontal (left & right); front & rear access; upflow, downflow | ✔ |
| • Superior condensate performance | ✔ |
| • Versatile duct flange - allows flush fit 3/4", 1" or 1.5" duct insulation | ✔ |
| • **10-year warranty registered** | ✔ |
| • **Optional extended warranties available** | ✔ |

**Air Handlers/Heaters**

**See Heater Tables on Pages AH-20 and AH-21**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Split System Air Handlers
# Single Phase 1½-5 Tons

**Table AH-20-A — Optional Accessories**

| Model Number | Description | Shipping Weight | 4TEC3F |
|---|---|---|---|
| AY28X079 | Evaporator Defrost Control | 1 | ✔ |
| AY28X084 | Evaporator Defrost Control | 1 | ✔ |
| BAY99X123① | Knockout Cover Plate② | | ✔ |
| BAYSPEK140B | Single Power Entry Kit | 5 | ✔ |
| TAYBASE100 | Downflow Subbase | 16 | 3½-5 |
| TAYBASE101 | Downflow Subbase | 16 | 2-3 |
| TAYPLNM100 | Pedestal Plenum Upflow | 10 | ✔ |
| BAYPLNM120 | Pedestal Plenum Upflow | | 2-5 |
| TASB215③ | 21.5" Cabinet Mounting Stand | | 2-3 |
| TASB235③ | 23.5" Cabinet Mounting Stand | | 3½-5 |

① Minimum order 1 unit ( 1 unit = 50 pieces).
② Required if no electric heat is used.
③ Contact your distributor for information.

**Comfort Controls — See Comfort Controls/Zone Sensors Section**

# Heaters for Split System and Convertible Air Handlers

**Table AH-20-A — Heaters - 4 TEC**

| Heater Model Number | Capacity @ 240 Volts kW | BTUH | Capacity @ 208 Volts kW | Rated BTUH | Voltage | Control Stages | Heater Amps per Circuit 208 Volts | 240Volt | Contains Circuit Breakers |
|---|---|---|---|---|---|---|---|---|---|
| BAYHTR1405000 | 4.80 | 16,400 | 3.6 | 12,300 | 208/240/1/60 | 1 | 17.3 | 20 | No |
| BAYHTR1405BRKC | 4.80 | 16,400 | 3.6 | 12,300 | 208/240/1/60 | 1 | 17.3 | 20 | Yes |
| BAYHTR1405PDC | 4.80 | 16,400 | 3.6 | 12,300 | 208/240/1/60 | 1 | 17.3 | 20 | No |
| BAYHTR1408000 | 7.68 | 26,200 | 5.76 | 19,700 | 208/240/1/60 | 1 | 27.7 | 32 | No |
| BAYHTR1408BRKC | 7.68 | 26,200 | 5.76 | 19,700 | 208/240/1/60 | 1 | 27.7 | 32 | Yes |
| BAYHTR1408PDC | 7.68 | 26,200 | 5.76 | 19,700 | 208/240/1/60 | 1 | 27.7 | 32 | No |
| BAYHTR1410000 | 9.60 | 32,800 | 7.20 | 24,600 | 208/240/1/60 | 1 | 34.6 | 40 | No |
| BAYHTR1410BRKC | 9.60 | 32,800 | 7.20 | 24,600 | 208/240/1/60 | 1 | 34.6 | 40 | Yes |
| BAYHTR1410PDC | 9.60 | 32,800 | 7.20 | 24,600 | 208/240/1/60 | 1 | 34.6 | 40 | No |
| BAYHTR1415BRKC | 15.36 | 52,400 | 11.53 | 39,300 | 208/240/1/60 | 2 | 34.6/20.8①② | 40/24① | Yes |
| BAYHTR1419BRKC | 19.20 | 65,500 | 14.42 | 44,200 | 208/240/1/60 | 2 | 27.8/41.6①② | 32/48① | Yes |
| BAYHTR1425BRKC | 24.96 | 85,200 | 18.73 | 63,900 | 208/240/1/60 | 3 | 38.1/34.6/17.3① | 44/40/20① | Yes |
| **Three Phase** | | | | | | | | | |
| BAYHTR3410000 | 9.60 | 32,800 | 7.20 | 24,600 | 208/240/3/60 | 1 | 30 | 34.6 | No |
| BAYHTR3415000 | 15.36 | 52,400 | 11.53 | 39,300 | 208/240/3/60 | 1 | 33 | 38.2 | No |

① Circuit 1/Circuit 2/Circuit 3*
② Heater can be converted to single circuit power entry by using BAYSPEK140B. This kit allows a single power circuit to be used with electric heaters that contain two (2) circuit breakers.
**BAYSPEK140B to be used with BAYHTR1415BRKB,C/ BAYHTR1419BRKB,C only.**
**CAUTION:** Any power supply and/or combination power supply, circuit or circuits must be wired and protected in accordance with local electrical codes.
*On model BAYHTR1425 only.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Heaters for Split System and Convertible Air Handlers

| MINIMUM HEATING AIRFLOW CFM COOLING/HEAT PUMP AIR FLOW - HEATER MATRIX | | | | | | |
|---|---|---|---|---|---|---|
| **AIR HANDLER** | **HEATER MODEL NUMBER BAYHTR—** | | | | | |
| **MODEL NUMBER** | 1405 000 BRK PDC 4.80kW | 1408 000 BRK PDC 7.68kW | 1410 000 BRK PDC 3410 000 9.60kW | 1415 BRK 15.36kW 3415 000 | 1419 BRK 19.20kW | 1425 BRK 24.96kW |
| **NUMBER OF HEATER RACKS** | 1 | 2 | 2 | 2 | 4 | 5 |
| **NUMBER OF CIRCUITS** | 1 | 1 | 1 | 2 | 2 | 3 |
| 4TEC3F24B | L/L | L/L | L/L | L/M | — | — |
| 4TEC3F36B | L/L | L/L | L/L | L/H | L/H | — |
| 4TEC3F42C | ML/ML | ML/ML | ML/ML | ML/PS | ML/H | — |
| 4TEC3F48B | L/L | L/L | L/L | L/L | PS/PS | — |
| 4TEC3F60B | ML/ML | ML/ML | ML/ML | ML/PS | ML/MH | — |

(Example: L=Low, M=Medium, H=High Speed)

**PS =** Minimum speed tap varies based on air handler installation position.

**000 =** Pigtails, BRK = Contains circuit breakers,
PDC = Contains Pull Disconnect

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Effective 1/1/13
14-1011-29

**Air Handlers/Heaters**
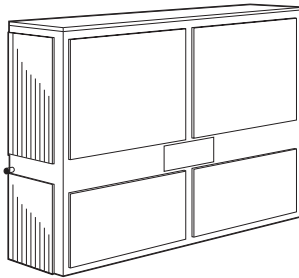
# Split System Air Handlers, R-410A
## Single Phase – 5-10 Tons
## Three Phase – 5-25 Tons

- Ships in horizontal configuration, but quickly and easily converts to upflow
- Expansion valve factory installed
- Check valves for heat pump applications
- Belt drive blower
- Factory installed motor, belt, sheaves, contactor, low voltage terminal board
- One inch filters on 5 to 10 ton units (rack convertible for field supplied two inch)
- Captive screws remain on the panels for service ease
- Low voltage terminal board
- Drain Pan

- Factory Installed (EDC) Evaporator Defrost Control
- IAQ (Indoor Air Quality) sloped/free draining pan, no standing water
- Two inch filters factory installed on 12½, 15, 20, 25 ton units
- Supplemental heaters (electric, water, steam) fits directly on unit discharge for low installation cost
- Single point power entry for reduced electrical power installation cost
- Unit fully assembled to reduce field installation costs

- Compact design with low service clearance to reduce building requirements
- Brazed refrigerant piping connections
- Fan relay UL listed and CSA Certified
- Factory installed 2 speed variable frequency drive (VFD) option available for enhanced part load performance and minimum REQUIRED for CA Title 24 Compliance
- Factory installed Single Zone VAV (SZVAV) option available for enhanced part load performance and space temperature control via varying airflow
- **Optional extended warranties**



**5, 7½, 10, 12½, 15, 20, 25 Ton TWE Convertible Air Handlers (Upflow or Horizontal Only)**

```
1  2  3  456  7 8  9 10 11 12
T  W  E  180  D 3  R  3  A  A
```

**Capacity**

| 061 = 5 Tons | 180 = 15 Tons |
|---|---|
| 090 = 7.5 Tons | 240 = 20 Tons |
| 120 = 10 Tons | 300 = 25 Tons |
| 150 = 12.5 Tons | |

**Factory-Installed Options**
- 00 = Standard Motor - Electromechanical Controls
- 03 = 2 speed VFD Standard Motor - Electromechanical Controls
- 04 = 2 speed VFD Oversized Motor - Electromechanical Controls
- R3 = SZVAV VFD Standard Motor - ReliaTel™ Controls
- R4 = SZVAV VFD Oversized Motor - ReliaTel™ Controls

**Table AH-22-A — Single Circuit Coil - R-410A⑤**

| Tons | Unit Model No. | Power Supply Volts/Phase/Hz | Capacity (Btuh) | FCCV | Drive Type | Dimensions (in.)④ H x W x D | Shipping Weight (lbs.) | MCA* | Max Fuse Size or Max Circuit Breaker③* |
|---|---|---|---|---|---|---|---|---|---|
| **Single Phase** | | | | | | | | | |
| 5 | TWE061D100AA | 208-230/1/60 | 60,000 | TXV | Belt | 48 x 39 x 23 | 263 | 7.5 | 15 |
| 7½ | TWE090D100AA① | 208-230/1/60 | 90,000 | TXV | Belt | 54 x 49 x 26 | 360 | 8.5 | 15 |
| 10 | TWE120D100AA① | 208-230/1/60 | 120,000 | TXV | Belt | 54 x 65 x 26 | 429 | 10.6 | 15 |
| **Three Phase** | | | | | | | | | |
| 5 | TWE061D300AA | 208-230/3/60 | 60,000 | TXV | Belt | 48 x 39 x 23 | 263 | 3.1 | 15 |
| 5 | TWE061D400AA | 460/3/60 | 60,000 | TXV | Belt | 48 x 39 x 23 | 263 | 1.6 | 15 |
| 5 | TWE061DW00AA | 575/3/60 | 60,000 | TXV | Belt | 48 x 39 x 23 | 263 | 1.6 | 15 |
| 7½ | TWE090D300AA①② | 208-230/3/60 | 90,000 | TXV | Belt | 54 x 49 x 26 | 360 | 6.6 | 15 |
| 7½ | TWE090DW00AA① | 575/3/60 | 90,000 | TXV | Belt | 54 x 49 x 26 | 360 | 2.3 | 15 |
| 10 | TWE120D300AA①② | 208-230/3/60 | 120,000 | TXV | Belt | 54 x 65 x 26 | 429 | 7.8 | 15 |
| 10 | TWE120DW00AA① | 575/3/60 | 120,000 | TXV | Belt | 54 x 65 x 26 | 429 | 2.9 | 15 |

① Control transformer not included. Order control transformer accessory when matching these air handlers with 3-5 ton condensing units.
② Ships wired for 208-230/3/60. Field convertible to 460/3/60.
③ HACR type circuit breaker per NEC.
④ Dimensions based on Upflow position.
⑤ All air handlers are shipped with the drain pan installed in the horizontal position. For vertical configuration, the drain pan should be repositioned before setting the air handler.
* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

Air Handlers/Heaters

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Effective 1/1/13
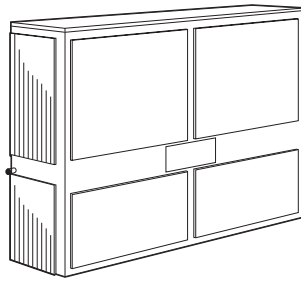14-1011-29

# Split System Air Handlers, R-410A
## Single Phase – 5-10 Tons
## Three Phase – 5-25 Tons

- Ships in horizontal configuration, but quickly and easily converts to upflow
- Expansion valve factory installed
- Check valves for heat pump applications
- Belt drive blower
- Factory installed motor, belt, sheaves, contactor, low voltage terminal board
- One inch filters on 5 to 10 ton units (rack convertible for field supplied two inch)
- Captive screws remain on the panels for service ease
- Low voltage terminal board
- Drain Pan

- Factory Installed (EDC) Evaporator Defrost Control
- IAQ (Indoor Air Quality) sloped/free draining pan, no standing water
- Two inch filters factory installed on 12½, 15, 20, 25 ton units
- Supplemental heaters (electric, water, steam) fits directly on unit discharge for low installation cost
- Single point power entry for reduced electrical power installation cost
- Unit fully assembled to reduce field installation costs

- Compact design with low service clearance to reduce building requirements
- Brazed refrigerant piping connections
- Fan relay UL listed and CSA Certified
- Factory installed 2 speed variable frequency drive (VFD) option available for enhanced part load performance and minimum REQUIRED for CA Title 24 Compliance⑥
- Factory installed Single Zone VAV (SZVAV) option available for enhanced part load performance and space temperature control via varying airflow⑥
- **Optional extended warranties**

**5, 7¹/₂, 10, 12¹/₂, 15, 20, 25 Ton TWE Convertible Air Handlers (Upflow or Horizontal Only)**

```
1   2   3   456   7 8   9 10 11  12
T   W   E   180   D 3   R  3  A   A
```

**Capacity**
| | |
|---|---|
| 061 = 5 Tons | 180 = 15 Tons |
| 090 = 7.5 Tons | 240 = 20 Tons |
| 120 = 10 Tons | 300 = 25 Tons |
| 150 = 12.5 Tons | |

**Factory-Installed Options**
00 = Standard Motor - Electromechanical Controls
03 = 2 speed VFD Standard Motor - Electromechanical Controls
04 = 2 speed VFD Oversized Motor - Electromechanical Controls
R3 = SZVAV VFD Standard Motor - ReliaTel™ Controls
R4 = SZVAV VFD Oversized Motor - ReliaTel™ Controls

### Table AH-23-A — Dual Circuit Coil — R-410A

| Tons | Unit Model No. | Power Supply Volts/Phase/Hz | Capacity (Btuh) | FCCV | Drive Type | Dimensions (in.)④ H x W x D | Shipping Weight (lbs.) | MCA* | Max Fuse Size or Max Circuit Breaker③* |
|---|---|---|---|---|---|---|---|---|---|
| **Single Phase** | | | | | | | | | |
| 5 | TWE061E100AA | 208-230/1/60 | 60,000 | TXV | Belt | 48 x 39 x 23 | 263 | 7.5 | 15 |
| 7¹/₂ | TWE090E100AA① | 208-230/1/60 | 90,000 | TXV | Belt | 54 x 49 x 26 | 360 | 8.5 | 15 |
| 10 | TWE120E100AA① | 208-230/1/60 | 120,000 | TXV | Belt | 54 x 65 x 26 | 429 | 10.6 | 15 |
| **Three Phase** | | | | | | | | | |
| 5 | TWE061E300AA | 208-230/3/60 | 60,000 | TXV | Belt | 48 x 39 x 23 | 263 | 3.1 | 15 |
| 5 | TWE061E400AA | 460/3/60 | 60,000 | TXV | Belt | 48 x 39 x 23 | 263 | 1.6 | 15 |
| 7¹/₂ | TWE090E300AA①② | 208-230/3/60 | 90,000 | TXV | Belt | 54 x 49 x 26 | 360 | 6.6 | 15 |
| 10 | TWE120E300AA①② | 208-230/3/60 | 120,000 | TXV | Belt | 54 x 65 x 26 | 429 | 7.8 | 15 |
| 10 | TWE120EW00AA① | 575/3/60 | 120,000 | TXV | Belt | 54 x 65 x 26 | 429 | 2.9 | 15 |
| 12 ½ | TWE150E300AA② | 208-230/3/60 | 150,000 | TXV | Belt | 69 x 81 x 30 | 730 | 7.4 | 15 |
| 12 ½ | TWE150EW00AA | 575/3/60 | 150,000 | TXV | Belt | 69 x 81 x 30 | 730 | 2.8 | 15 |
| 15 | TWE180E300AA② | 208-230/3/60 | 180,000 | TXV | Belt | 69 x 81 x 30 | 729 | 11.8 | 20 |
| 15 | TWE180EW00AA | 575/3/60 | 180,000 | TXV | Belt | 69 x 81 x 30 | 729 | 4.3 | 15 |
| 20 | TWE240E300BA | 208-230/3/60 | 246,000 | TXV | Belt | 72 x 94 x 32 | 891 | 18.1 | 25 |
| 20 | TWE240E400BA | 460/3/60 | 246,000 | TXV | Belt | 72 x 94 x 32 | 891 | 8.4 | 15 |
| 20 | TWE240EW00BA | 575/3/60 | 246,000 | TXV | Belt | 72 x 94 x 32 | 891 | 6.5 | 15 |
| 25 | TWE300E300A | 208-230/3/60 | 292,000 | TXV | Belt | 72 x 94 x 32 | 972 | 24.5 | 30 |
| 25 | TWE300E400A | 460/3/60 | 292,000 | TXV | Belt | 72 x 94 x 32 | 972 | 11.2 | 20 |
| 25 | TWE300EW00A | 575/3/60 | 292,000 | TXV | Belt | 72 x 94 x 32 | 972 | 8.9 | 15 |

① Control transformer not included. Order control transformer accessory when matching these air handlers with 3-5 ton condensing units.
② Ships wired for 208-230/3/60. Field convertible to 460/3/60.
③ HACR type circuit breaker per NEC.
④ Dimensions based on Upflow position.
⑤ All air handlers are shipped with the drain pan installed in the horizontal position. For vertical configuration, the drain pan should be repositioned before setting the air handler.
⑥ 460V motors (digit 8=4) are only available on TWE150E and TWE180 when Title 24 or SZVAV is selected in digits 9 and 10.
* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

**Air Handlers/Heaters**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Split System Air Handlers, R-410A
## Single Phase – 5-10 Tons
## Three Phase – 5-25 Tons

**Table AH-24-A — 6 - 10 Ton Electric Heater Selection**

| Model Number | Description | Used With |
|---|---|---|
| BAYHTRL106A | 4.33/5.76 kW Heater 208/240/1 Phase | TWE061D1-TWE120E1 |
| BAYHTRL112A | 8.65/11.52 kW Heater 208/240/1 Phase | TWE061D1-TWE120E1 |
| BAYHTRL117A | 12.98/17.28 kW Heater 208/240/1 Phase | TWE061D1-TWE120E1 |
| BAYHTRL123A | 17.30/23.04 kW Heater 208/240/1 Phase | TWE061D1-TWE120E1 |
| BAYHTRL129A | 21.65/28.80 kW Heater 208/240/1 Phase | TWE061D1-TWE120E1 |
| BAYHTRL305A | 3.75/5.00 kW Heater 208/240/3 Phase | TWE061D3-TWE120E3 |
| BAYHTRL310A | 7.45/9.96 kW Heater 208/240/3 Phase | TWE061D3-TWE120E3 |
| BAYHTRL315A | 11.25/14.96 kW Heater 208/240/3 Phase | TWE061D3-TWE120E3 |
| BAYHTRL325A | 18.71/24.92 kW Heater 208/240/3 Phase | TWE061D3-TWE120E3 |
| BAYHTRL335A | 26.20/34.88 kW Heater 208/240/3 Phase | TWE061D3-TWE120E3 |
| BAYHTRL405A | 5.00 kW Heater 460/3 Phase | TWE061D4-TWE120E3① |
| BAYHTRL410A | 9.96 kW Heater 460/3 Phase | TWE061D4-TWE120E3① |
| BAYHTRL415A | 14.96 kW Heater 460/3 Phase | TWE061D4-TWE120E3① |
| BAYHTRL425A | 24.92 kW Heater 460/3 Phase | TWE061D4-TWE120E3① |
| BAYHTRL435A | 34.88 kW Heater 460/3 Phase | TWE061D4-TWE120E3① |
| BAYHTRLW05A | 5 kW Heater 575/3 Phase | TWE061DW-TWE120EW |
| BAYHTRLW10A | 9.96 kW Heater 575/3 Phase | TWE061DW-TWE120EW |
| BAYHTRLW15A | 14.96 kW Heater 575/3 Phase | TWE061DW-TWE120EW |
| BAYHTRLW25A | 24.92 kW Heater 575/3 Phase | TWE061DW-TWE120EW |
| BAYHTRLW35A | 34.88 kW Heater 575/3 Phase | TWE061DW-TWE120EW |

**Table AH-24-B — 12½ - 20 Ton Electric Heater Selection**

| Model Number | Description | Used With |
|---|---|---|
| BAYHTRM310A | 7.50/10.0 kW Heater 208/230 3 Phase | TWE150E3-TWE300E3 |
| BAYHTRM320A | 14.96/19.92 kW Heater 208/230 3 Phase | TWE150E3-TWE300E3 |
| BAYHTRM330A | 22.50/29.92 kW Heater 208/230 3 Phase | TWE150E3-TWE300E3 |
| BAYHTRM350A | 37.42/49.84 kW Heater 208/230 3 Phase | TWE150E3-TWE300E3 |
| BAYHTRM410A | 10.0 kW Heater 460/3 Phase | TWE150E3①-TWE300E4 |
| BAYHTRM420A | 19.92 kW Heater 460/3 Phase | TWE150E3①-TWE300E4 |
| BAYHTRM430A | 29.92 kW Heater 460/3 Phase | TWE150E3①-TWE300E4 |
| BAYHTRM450A | 49.84 kW Heater 460/3 Phase | TWE150EW-TWE300EW |
| BAYHTRMW10A | 10.0 kW Heater 575/3 Phase | TWE150EW-TWE300EW |
| BAYHTRMW20A | 19.92 kW Heater 575/3 Phase | TWE150EW-TWE300EW |
| BAYHTRMW30A | 29.92 kW Heater 575/3 Phase | TWE150EW-TWE300EW |
| BAYHTRMW50A | 49.84 kW Heater 575/3 Phase | TWE150EW-TWE300EW |

① Field convertible to 460/3/60.

**Air Handlers/Heaters**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

AH-24

Effective 1/1/13
14-1011-29

# Split System Air Handlers, R-410A
## Single Phase – 5-10 Tons
## Three Phase – 5-25 Tons

**Table AH-25-A — 5 – 20 Ton Accessory Selection**

| Model Number | Description | Used With |
|---|---|---|
| **Subbase** | | |
| BAYBASE009A | Vertical Air Handler Subbase | TWE061D, TWE061E |
| BAYBASE010A | Vertical Air Handler Subbase | TWE090D, TWE090E |
| BAYBASE011A | Vertical Air Handler Subbase | TWE120D, TWE120E |
| BAYBASE012A | Vertical Air Handler Subbase | TWE150E, TWE180E |
| BAYBASE013A | Vertical Air Handler Subbase | TWE240E, TWE300E |
| **Grille** | | |
| BAYGRLE001A | Return Air Grille | TWE061D/E |
| BAYGRLE002A | Return Air Grille | TWE090D/E |
| BAYGRLE003A | Return Air Grille | TWE120D/E |
| BAYGRLE004A | Return Air Grille | TWE150E, TWE180E |
| BAYGRLE005A | Return Air Grille | TWE240E, TWE300E |
| **High Static Motor** | | |
| BAYHSMT104A | 1.5HP (230/1) w/ 1VL44 motor sheave w/ AK54 fan sheave w/ A44 belt | TWE061D1/E1 |
| BAYHSMT105A | 1.5HP (230-460/3) w/ 1VL44 motor sheave w/ AK54 fan sheave w/ A44 belt | TWE061D3-4/E3-4 |
| BAYHSMT106A | 1.5HP (575/3) w/ 1VL44 motor sheave w/ AK54 fan sheave w/ A44 belt | TWE061DW/EW |
| BAYHSMT107A | 2 HP (230/1) w/ 1VL44 motor sheave w/ AK66 fan sheave w/ A50 belt | TWE090D1/E1 |
| BAYHSMT108A | 2 HP (230/460/3) w/ 1VL44 motor sheave w/ AK66 fan sheave w/ A50 belt | TWE090D3/E3 |
| BAYHSMT109A | 2 HP (575/3) w/ 1VL44 motor sheave w/ AK66 fan sheave w/ A50 belt | TWE090DW/EW |
| BAYHSMT110A | 3 HP (230/460/3) w/ 1VP44 motor sheave w/ AK54 fan sheave w/ AX48 belt | TWE090D3/E3 |
| BAYHSMT111A | 3 HP (575/3) w/ 1VP44 motor sheave w/ AK54 fan sheave w/ AX48 belt | TWE090DW/EW |
| BAYHSMT112A | 3 HP (230/460/3) w/ 1VP44L motor sheave w/ AK74 fan sheave w/ A51 belt | TWE120D3/E3 |
| BAYHSMT113A | 3 HP (575/3) w/ 1VP44L motor sheave w/ AK74 fan sheave w/ A51 belt | TWE120DW/EW |
| BAYHSMT114A | 3 HP (230/460/3) w/ 1VP44L motor sheave w/ BK72 fan sheave w/ A51 belt | TWE150E3 |
| BAYHSMT115A | 3 HP (575/3) w/ 1VP44L motor sheave w/ BK72 fan sheave w/ A51 belt | TWE150EW |
| BAYHSMT116A | 5 HP (230/3) w/ 1VP50L motor sheave w/ BK72 fan sheave w/ BX55 belt | TWE150E3 |
| BAYHSMT117A | 5 HP (460/3) w/ 1VP50L motor sheave w/ BK72 fan sheave w/ BX55 belt | TWE150E4 |
| BAYHSMT118A | 5 HP (575/3) w/ 1VP50L motor sheave w/ BK72 fan sheave w/ BX55 belt | TWE150EW |
| BAYHSMT119A | 5 HP (230/3) w/ 1VP50L motor sheave w/ BK85 fan sheave w/ BX58 belt | TWE180E3 |
| BAYHSMT120A | 5 HP (460/3) w/ 1VP50L motor sheave w/ BK85 fan sheave w/ BX58 belt | TWE180E4 |
| BAYHSMT121A | 5 HP (575/3) w/ 1VP50L motor sheave w/ BK85 fan sheave w/ BX58 belt | TWE180EW |
| BAYHSMT122A | 7.5 HP (230/460/3) w/ 1VP60 motor sheave w/ BK90 fan sheave w/ BX60 belt | TWE240E3/4 |
| BAYHSMT123A | 7.5 HP (575/3) w/ 1VP60 motor sheave w/ BK90 fan sheave w/ BX60 belt | TWE240EW |
| **Isolators** | | |
| BAYISLT004A①②③④ | Rubber Isolator Floor (blue) | TWE061D-TWE120E |
| BAYISLT009A①②③ | Rubber Isolator Floor (red) | TWE150E, TWE180E |
| BAYISLT010A①②③ | Rubber Isolator Floor (green) | TWE240E, TWE300E |
| BAYISLT012B③ | Rubber Isolator Suspended (red/green) | TWE150E, TWE180E |
| BAYISLT013B③④ | Rubber Suspended (red/green) | TWE061D/E |
| BAYISLT014A③④ | Rubber Suspended (green) | TWE090D/E |
| BAYISLT015B③④ | Rubber Suspended (green/black) | TWE120D/E |
| BAYISLT016B③ | Rubber Suspended (red/green) | TWE240E, TWE300E |
| BAYISLT019A①②③ | Steel Spring Isolator Floor (red) | TWE061D/E, TWE090D/E, TWE120D/E |
| BAYISLT021A①②③ | Steel Spring Isolator Floor (black) | TWE150E, TWE180E |
| BAYISLT032A①②③ | Steel Spring Isolator Floor (black/yellow) | TWE240E |
| BAYISLT028A③ | Steel Spring Isolator Suspended (tan) | TWE061D/E |
| BAYISLT029A③ | Steel Spring Isolator Suspended (red) | TWE090D/E, TWE120D/E |
| BAYISLT030A③ | Steel Spring Isolator Suspended (black) | TWE150E, TWE180E |
| BAYISLT031B③ | Steel Spring Isolator Suspended (black/yellow) | TWE240E, TWE300E |
| **Low Static Drive Kit** | | |
| BAYLSMT001A | Low Static Drive Kit | TWE240E |

① When the Air handler is in the vertical position and close proximity trapping of condensate is required, use of subbase is required.
② Requires use of subbase accessory.
③ Units having steam of hot water coils applied vertically or horizontally check IOM for proper Isolator kit selection.
④ Do not use if blower will operate less than 600 RPM.

**Air Handlers/Heaters**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

AH-25

Effective 1/1/13
14-1011-29

**Table AH-26-A — 5 – 20 Ton Accessory Selection**

| Model Number | Description | Used With |
|---|---|---|
| **Plenum** | | |
| BAYPLNM015B② | Discharge Plenum & Grille | TWE061D/E |
| BAYPLNM016B② | Discharge Plenum & Grille | TWE090D/E |
| BAYPLNM017B② | Discharge Plenum & Grille | TWE120D/E |
| BAYPLNM018B② | Discharge Plenum/Hydronic Coil Plenum & Grille | TWE150E, TWE180E |
| BAYPLNM019B② | Discharge Plenum/Hydronic Coil Plenum & Grille | TWE240E, TWE300E |
| BAYPLNM020B② | Hydronic Coil Discharge Plenum & Grille | TWE061D/E |
| BAYPLNM021B② | Hydronic Coil Discharge Plenum & Grille | TWE090D/E |
| BAYPLNM022B② | Hydronic Coil Discharge Plenum & Grille | TWE120D/E |
| BAYPLNM030A② | Electric Heat Discharge Plenum & Grille | TWE061D/E |
| BAYPLNM031A② | Electric Heat Discharge Plenum & Grille | TWE090D/E |
| BAYPLNM032A② | Electric Heat Discharge Plenum & Grille | TWE120D/E |
| BAYPLNM033A② | Electric Heat Discharge Plenum & Grille | TWE150E, TWE180E |
| BAYPLNM034A② | Electric Heat Discharge Plenum & Grille | TWE240E, TWE300E |
| **Transformer** | | |
| BAYTFMR011A① | 75va transformer (230V) | TWE090D3, TWE090E3, TWE120D3, TWE120E3 |
| BAYTFMR012A① | 75va transformer | TWE090D4/W, TWE090E4/W, TWE120D4/W, TWE120E4/W |
| BAYTFMR013A① | | TWE090DK, TWE090EK, TWE120DK, TWE120EK |
| **Water Kits** | | |
| BAYWATR022A② | Steam Coil Enclosure | TWE061D/E |
| BAYWATR023A② | | TWE090D/E |
| BAYWATR024A② | | TWE120D/E |
| BAYWATR025A② | | TWE150E, TWE180E |
| BAYWATR026A② | | TWE240E, TWE300E |
| BAYWATR027A② | Hot Water Coil Enclosure | TWE061D/E |
| BAYWATR028A② | | TWE090D/E |
| BAYWATR029A② | | TWE120D/E |
| BAYWATR030A② | | TWE150E, TWE180E |
| BAYWATR031A② | | TWE240E, TWE300E |
| **Wire Kit** | | |
| BAYWRKT002A③ | 180 Blower Discharge Reversal Kit | TWE061D-TWE120E |

① Required when 6 -10 Ton Air Handlers are matched with 3-5 Ton condensing units.
② When installed horizontally, plenum/water coil must be self supported.
③ Cannot be used on TWE150-240, due to motor mount location.

**Air Handlers/Heaters**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

AH-26

Effective 1/1/13
14-1011-29

# Split System Air Handlers
# 5-25 Tons

**Factory Supplied Accessories**

A  Air Handler (TWE 5 – 20 Tons)

B  Outdoor Condensing Unit
(TTA – Cooling 6 – 25 Tons)
(TWA – Heat Pump 6 – 20 Tons)

P  Discharge Plenum and Grille
(BAYPLNM)

EH  Electric Heater and Casing (BAYHTRL)
Fits on Top of Unit (13 H x 30 W x 17 D)

SB  Subbase (BAYBASE)

I  Isolators (BAYISLT)

RG  Return Grille (BAYGRLE)

CG  Coil Guards (BAYLOAM)

WC  Steam/Hot Water Coil (BAYWATR)

To Convert from Vertical to
Horizontal Simply Lay Down

Drain Connections at Top
and Bottom of Coil

Drain Connections at Top
and Bottom of Coil

**Air Handlers/Heaters**

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

AH-27

Effective 1/1/13
14-1011-29
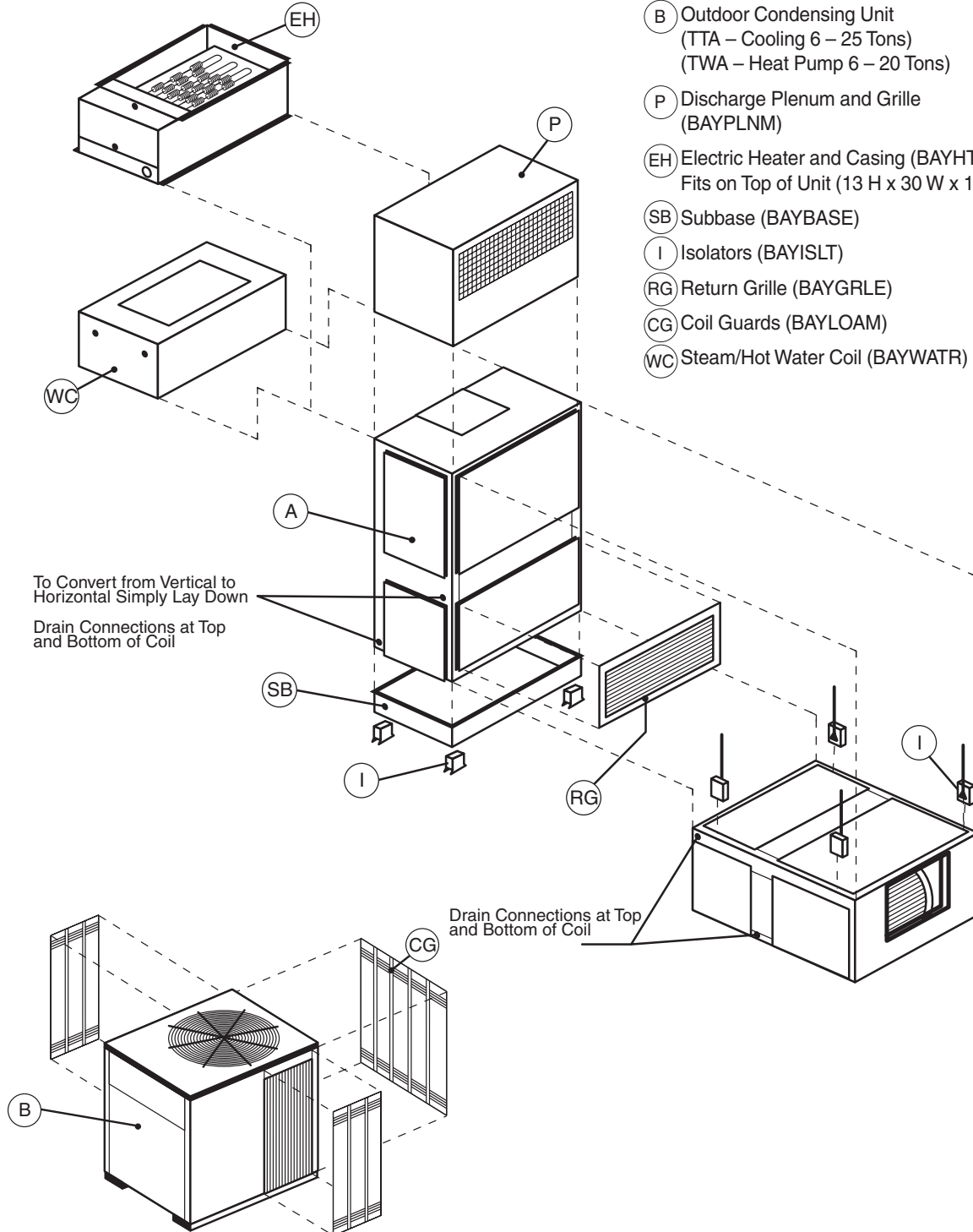
# Split System – Cased
# Heat Pump and Cooling Coils
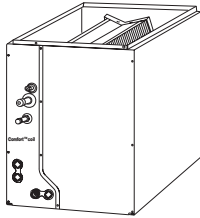
**4TXC-CC Comfort™ Coil**

**Table COIL-1-A — Aluminum High Efficiency Staged System Cased Coil Convertible (Upflow/ Downflow/ Horizontal Left or Right) R-410A Refrigerant**

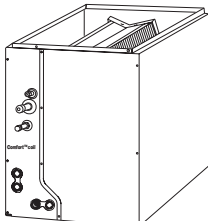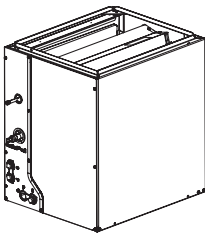| Model Number | Nom. Cap. Cooling (Btuh) | Coil Type | Refrigerant Control | Outlet Dim. (in.) W/H x D | Overall Dim. (in.) H x W x D | Shipping Weight (lbs.) | Line Size OD Gas | Line Size OD Liq. |
|---|---|---|---|---|---|---|---|---|
| 4TXCB003CC3HCB | 24,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 22.6 x 17.5 x 21.5 | 45 | $^5/_8$ | $^3/_8$ |
| 4TXCB004CC3HCB | 36,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 26.9 x 17.5 x 21.5 | 49 | $^3/_4$ | $^3/_8$ |
| 4TXCC005CC3HCB | 36,000 | A | TXVNB① | $19^1/_8$ x $19^3/_8$ | 26.9 x 21 x 21.5 | 51 | $^3/_4$ | $^3/_8$ |
| 4TXCC006CC3HCB | 24,000 | A | TXVNB① | $19^1/_8$ x $19^3/_8$ | 22.6 x 21 x 21.5 | 48 | $^5/_8$ | $^3/_8$ |
| 4TXCC007CC3HCB | 36,000 | A | TXVNB① | $19^1/_8$ x $19^3/_8$ | 26.9 x 21 x 21.5 | 51 | $^3/_4$ | $^3/_8$ |
| 4TXCC008CC3HCB | 60,000 | A | TXVNB① | $19^1/_8$ x $19^3/_8$ | 30.1 x 21 x 21.5 | 65 | $^3/_4$ | $^3/_8$ |
| 4TXCD009CC3HCB | 60,000 | A | TXVNB① | $22^5/_8$ x $19^3/_8$ | 30.1 x 24.6 x 21.5 | 68 | $^3/_4$ | $^3/_8$ |
| 4TXCD010CC3HCB | 60,000 | A | TXVNB① | $22^5/_8$ x $19^3/_8$ | 30.1 x 24.6 x 21.5 | 68 | $^3/_4$ | $^3/_8$ |

**4TXC-BC Comfort™ Coil**

**Table COIL-1-B — Aluminum Cased Coil Convertible (Upflow/ Downflow/ Horizontal Left or Right) R-410A Refrigerant**

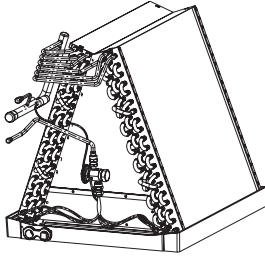| Model Number | Nom. Cap. Cooling (Btuh) | Coil Type | Refrigerant Control | Outlet Dim. (in.) W/H x D | Overall Dim. (in.) H x W x D | Shipping Weight (lbs.) | Line Size OD Gas | Line Size OD Liq. |
|---|---|---|---|---|---|---|---|---|
| 4TXCA018BC3HCB | 18,000 | A | TXVNB① | $12^5/_8$ x $19^3/_8$ | 22.6 x 14.5 x 21.5 | 34 | $^5/_8$ | $^5/_{16}$ |
| 4TXCA024BC3HCB | 24,000 | A | TXVNB① | $12^5/_8$ x $19^3/_8$ | 22.6 x 14.5 x 21.5 | 34 | $^5/_8$ | $^5/_{16}$ |
| 4TXCB025BC3HCB | 24,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 17.6 x 17.5 x 21.5 | 38 | $^5/_8$ | $^5/_{16}$ |
| 4TXCB031BC3HCB | 30,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 17.6 x 17.5 x 21.5 | 38 | $^5/_8$ | $^5/_{16}$ |
| 4TXCB032BC3HCB | 36,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 22.6 x 17.5 x 21.5 | 45 | $^3/_4$ | $^3/_8$ |
| 4TXCB036BC3HCB | 36,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 22.6 x 17.5 x 21.5 | 45 | $^3/_4$ | $^3/_8$ |
| 4TXCC037BC3HCB | 37,000 | A | TXVNB① | $19^1/_8$ x $19^3/_8$ | 22.6 x 21 x 21.5 | 48 | $^3/_4$ | $^3/_8$ |
| 4TXCB042BC3HCB | 42,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 22.6 x 17.5 x 21.5 | 45 | $^3/_4$ | $^3/_8$ |
| 4TXCC043BC3HCB | 43,000 | A | TXVNB① | $19^1/_8$ x $19^3/_8$ | 22.6 x 21 x 21.5 | 48 | $^3/_4$ | $^3/_8$ |
| 4TXCC044BC3HCB | 48,000 | A | TXVNB① | $19^1/_8$ x $19^3/_8$ | 26.9 x 21 x 21.5 | 49 | $^7/_8$ | $^3/_8$ |
| 4TXCB048BC3HCB | 48,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 26.9 x 17.5 x 21.5 | 49 | $^7/_8$ | $^3/_8$ |
| 4TXCC049BC3HCB | 48,000 | A | TXVNB① | $19^1/_8$ x $19^3/_8$ | 26.9 x 21 x 21.5 | 51 | $^7/_8$ | $^3/_8$ |
| 4TXCD050BC3HCB | 48,000 | A | TXVNB① | $22^5/_8$ x $19^3/_8$ | 26.9 x 24.6 x 21.5 | 55 | $^7/_8$ | $^3/_8$ |
| 4TXCC060BC3HCB | 60,000 | A | TXVNB① | $19^1/_8$ x $19^3/_8$ | 30.1 x 21 x 21.5 | 65 | $^7/_8$ | $^3/_8$ |
| 4TXCD061BC3HCB | 60,000 | A | TXVNB① | $22^5/_8$ x $19^3/_8$ | 30.1 x 24.6 x 21.5 | 68 | $^7/_8$ | $^3/_8$ |
| 4TXCD063BC3HCB | 60,000 | A | TXVNB① | $22^5/_8$ x $19^3/_8$ | 30.1 x 24.6 x 21.5 | 68 | $^7/_8$ | $^3/_8$ |
| 4TXCD064BC3HCB | 60,000 | A | TXVNB① | $22^5/_8$ x $19^3/_8$ | 30.1 x 24.6 x 21.5 | 68 | $^7/_8$ | $^3/_8$ |

**4NXC-AC Comfort™ Coil**

**Table COIL-1-C — Aluminum High Efficiency Staged System Cased Coil Convertible (Upflow/ Downflow/ Horizontal Left or Right) R-410A Refrigerant**

| Model Number | Nom. Cap. Cooling (Btuh) | Coil Type | Refrigerant Control | Outlet Dim. (in.) W/H x D | Overall Dim. (in.) H x W x D | Shipping Weight (lbs.) | Line Size OD Gas | Line Size OD Liq. |
|---|---|---|---|---|---|---|---|---|
| 4NXCA018AC3HCA | 18,000 | A | TXVNB① | $12^5/_8$ x $19^3/_8$ | 17.6 x 14.5 x 21.5 | 34 | $^3/_4$ | $^3/_8$ |
| 4NXCA024AC3HCA | 24,000 | A | TXVNB① | $12^5/_8$ x $19^3/_8$ | 17.6 x 14.5 x 21.5 | 34 | $^3/_4$ | $^3/_8$ |
| 4NXCB025AC3HCA | 24,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 18.4 x 17.5 x 21.5 | 38 | $^3/_4$ | $^3/_8$ |
| 4NXCB031AC3HCA | 30,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 18.4 x 17.5 x 21.5 | 38 | $^3/_4$ | $^3/_8$ |
| 4NXCB032AC3HCA | 30,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 22.6 x 17.5 x 21.5 | 45 | $^3/_4$ | $^3/_8$ |
| 4NXCB036AC3HCA | 36,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 22.6 x 17.5 x 21.5 | 45 | $^3/_4$ | $^3/_8$ |
| 4NXCD063AC3HCA | 60,000 | A | TXVNB① | $22^5/_8$ x $19^3/_8$ | 30.1 x 24.5 x 21.5 | 68 | $^7/_8$ | $^3/_8$ |

① Start Kit may be required on outdoor unit.

**Coils**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

COIL-1

Effective 1/1/13
14-1011-29

# Split System – Uncased
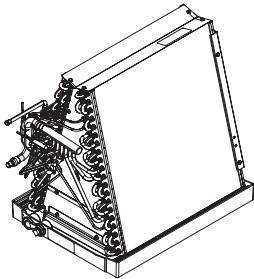# Heat Pump and Cooling Coils



**4TXA-BC
Comfort™ Coil**

**Table COIL-2-A — Aluminum Uncased Coil (Upflow/Downflow) R-410A Refrigerant**

| Model Number | Nom. Cap. Cooling (Btuh) | Coil Type | Refrigerant Control | Overall Dim. (in.) H x W x D | Shipping Weight (lbs.) | Line Size OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|
| 4TXAA018BC3HUB | 18,000 | A | TXVNB① | 17.4 x 13.3 x 21.1 | 21 | $5/8$ | $5/16$ |
| 4TXAA024BC3HUB | 24,000 | A | TXVNB① | 17.4 x 13.3 x 21.1 | 21 | $5/8$ | $5/16$ |
| 4TXAB025BC3HUB | 24,000 | A | TXVNB① | 15.9 x 16.3 x 21.1 | 24 | $5/8$ | $5/16$ |
| 4TXAB031BC3HUB | 30,000 | A | TXVNB① | 15.9 x 16.3 x 21.1 | 24 | $5/8$ | $5/16$ |
| 4TXAB032BC3HUB | 36,000 | A | TXVNB① | 21.2 x 16.3 x 21.1 | 32 | $3/4$ | $3/8$ |
| 4TXAB036BC3HUB | 36,000 | A | TXVNB① | 21.2 x 16.3 x 21.1 | 32 | $3/4$ | $3/8$ |
| 4TXAC037BC3HUB | 36,000 | A | TXVNB① | 20.8 x 19.8 x 21.1 | 33 | $3/4$ | $3/8$ |
| 4TXAB042BC3HUB | 42,000 | A | TXVNB① | 21.2 x 16.3 x 21.1 | 32 | $3/4$ | $3/8$ |
| 4TXAC043BC3HUB | 42,000 | A | TXVNB① | 20.8 x 19.8 x 21.1 | 33 | $3/4$ | $3/8$ |
| 4TXAC044BC3HUB | 48,000 | A | TXVNB① | 25.3 x 19.8 x 21.1 | 38 | $7/8$ | $3/8$ |
| 4TXAB048BC3HUB | 48,000 | A | TXVNB① | 25.3 x 16.3 x 21.1 | 36 | $7/8$ | $3/8$ |
| 4TXAC049BC3HUB | 48,000 | A | TXVNB① | 24.9 x 19.8 x 21.1 | 38 | $7/8$ | $3/8$ |
| 4TXAD050BC3HUB | 48,000 | A | TXVNB① | 24.4 x 23.3 x 21.1 | 39 | $7/8$ | $3/8$ |
| 4TXAC060BC3HUB | 60,000 | A | TXVNB① | 29.1 x 19.8 x 21.1 | 44 | $7/8$ | $3/8$ |
| 4TXAD061BC3HUB | 60,000 | A | TXVNB① | 28.6 x 23.3 x 21.1 | 45 | $7/8$ | $3/8$ |
| 4TXAD064BC3HUB | 60,000 | A | TXVNB① | 28.6 x 23.3 x 21.1 | 45 | $7/8$ | $3/8$ |

① Start Kit may be required on outdoor unit.



**4NXA-AC**

**Table COIL-2-B — Aluminum Uncased Coil (Upflow/Downflow) R-410A Refrigerant**

| Model Number | Nom. Cap. Cooling (Btuh) | Coil Type | Refrigerant Control | Overall Dim. (in.) H x W x D | Shipping Weight (lbs.) | Line Size OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|
| 4NXAA018AC3HUA | 18,000 | A | TXVNB① | 15.2 x 13.3 x 21.1 | 21 | $3/4$ | $3/8$ |
| 4NXAA024AC3HUA | 24,000 | A | TXVNB① | 15.2 x 13.3 x 21.1 | 21 | $3/4$ | $3/8$ |
| 4NXAB025AC3HUA | 24,000 | A | TXVNB① | 16.9 x 16.3 x 21.1 | 24 | $3/4$ | $3/8$ |
| 4NXAB031AC3HUA | 30,000 | A | TXVNB① | 16.9 x 16.3 x 21.1 | 24 | $3/4$ | $3/8$ |
| 4NXAB032AC3HUA | 30,000 | A | TXVNB① | 21.0 x 16.3 x 21.1 | 32 | $3/4$ | $3/8$ |
| 4NXAB036AC3HUA | 36,000 | A | TXVNB① | 21.0 x 23.3 x 21.1 | 32 | $3/4$ | $3/8$ |

① Start Kit may be required on outdoor unit.

Coils

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

# Split System – Cased Heat Pump and Cooling Coils
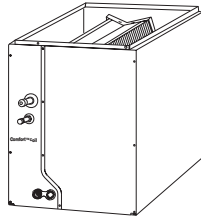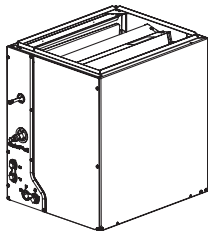
**4CXC-CC Comfort™ Coil**

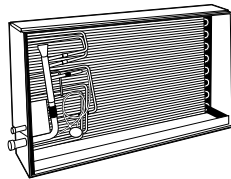### Table COIL-3-A — Aluminum Cooling ONLY Cased Coils- Upflow R-410A Refrigerant

| Model Number | Nom. Cap. Cooling (Btuh) | Coil Type | Refrigerant Control | Outlet Dim. (in.) H x D | Overall Dim. (in.) H x W x D | Shipping Weight (lbs.) | OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|
| 4CXCA024CC3CUB | 24,000 | A | TXVNB① | $12^5/_8$ x $19^3/_8$ | 22.6x14.5x21.5 | 33 | $^5/_8$ | $^3/_8$ |
| 4CXCB025CC3CUB | 24,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 17.6x17.5x21.5 | 43 | $^3/_4$ | $^3/_8$ |
| 4CXCB031CC3CUB | 30,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 17.6x17.5x21.5 | 43 | $^3/_4$ | $^3/_8$ |
| 4CXCB036CC3CUB | 36,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 22.6x17.5x21.5 | 45 | $^3/_4$ | $^3/_8$ |
| 4CXCC037CC3CUB | 37,000 | A | TXVNB① | $19^1/_8$ x $19^3/_8$ | 22.6x21x21.5 | 48 | $^3/_4$ | $^3/_8$ |
| 4CXCB042CC3CUB | 42,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 22.6x17.5x21.5 | 45 | $^3/_4$ | $^3/_8$ |
| 4CXCC043CC3CUB | 43,000 | A | TXVNB① | $19^1/_8$ x $19^3/_8$ | 22.6x21x21.5 | 48 | $^3/_4$ | $^3/_8$ |
| 4CXCC049CC3CUB | 48,000 | A | TXVNB① | $19^1/_8$ x $19^3/_8$ | 26.9x21x21.5 | 52 | $^7/_8$ | $^3/_8$ |
| 4CXCD061CC3CUB | 60,000 | A | TXVNB① | $22^5/_8$ x $19^3/_8$ | 30.1x24.5x21.5 | 67 | $^7/_8$ | $^3/_8$ |

**4CXC-DC Comfort™ Coil**

### Table COIL-3-B — Aluminum Cooling ONLY Cased Coils- Upflow R-410A Refrigerant

| Model Number | Nom. Cap. Cooling (Btuh) | Coil Type | Refrigerant Control | Outlet Dim. (in.) W/H x D | Overall Dim. (in.) H x W x D | Shipping Weight (lbs.) | OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|
| 4CXCA018DC3CAA | 18,000 | A | TXVNB① | $12^5/_8$ x $19^3/_8$ | 17.6 x 14.5 x 21.5 | 34 | $^3/_4$ | $^3/_8$ |
| 4CXCA024DC3CAA | 24,000 | A | TXVNB① | $12^5/_8$ x $19^3/_8$ | 17.6 x 14.5 x 21.5 | 34 | $^3/_4$ | $^3/_8$ |
| 4CXCB025DC3CAA | 24,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 18.4 x 17.5 x 21.5 | 38 | $^3/_4$ | $^3/_8$ |
| 4CXCB031DC3CAA | 30,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 18.4 x 17.5 x 21.5 | 38 | $^3/_4$ | $^3/_8$ |
| 4CXCB032DC3CAA | 30,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 22.6 x 17.5 x 21.5 | 45 | $^3/_4$ | $^3/_8$ |
| 4CXCB036DC3CAA | 36,000 | A | TXVNB① | $15^5/_8$ x $19^3/_8$ | 22.6 x 17.5 x 21.5 | 45 | $^3/_4$ | $^3/_8$ |

**4TXF**

### Table COIL-3-C — Aluminum Cased Horizontal Flat Coils R-410A Refrigerant

| Model Number | Nom. Cap. Cooling (Btuh) | Coil Type | Refrigerant Control | Outlet Dim. (in.) H x D | Overall Dim. (in.) H x W x D | Shipping Weight (lbs.) | OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|
| 4TXFH024CZ3HHB | 24,000 | Flat | TXVNB① | 21 x $33^1/_4$ | 22.7 x 10.2 x 37.5 | 48 | $^5/_8$ | $^3/_8$ |
| 4TXFH033CC3HHB | 34,000 | Flat | TXVNB① | 21 x 24 | 22.7 x 10.2 x 28.2 | 49 | $^3/_4$ | $^5/_{16}$ |
| 4TXFH036CZ3HHB | 36,000 | Flat | TXVNB① | 21 x $33^1/_4$ | 22.7 x 10.2 x 37.5 | 53 | $^3/_4$ | $^3/_8$ |
| 4TXFH041CC3HHB | 44,000 | Flat | TXVNB① | 21 x $33^1/_4$ | 22.7 x 10.2 x 37.5 | 57 | $^3/_4$ | $^3/_8$ |
| 4TXFH054CC3HHB | 58,000 | Flat | TXVNB① | 21 x $33^1/_4$ | 22.7 x 10.2 x 37.5 | 55 | $^7/_8$ | $^3/_8$ |
| 4TXFH063CZ3HHB | 61,000 | Flat | TXVNB① | 27 x $33^1/_4$ | 28.7 x 10.2 x 37.5 | 63 | $^7/_8$ | $^3/_8$ |

**Important: This table applies to all outdoor units except the 4TTZ0 or 4TWZ0.**

### Table COIL-3-D — Aluminum Cased Horizontal Flat Coils R-410A Refrigerant

| Model Number | Nom. Cap. Cooling (Btuh) | Coil Type | Refrigerant Control | Outlet Dim. (in.) H x D | Overall Dim. (in.) H x W x D | Shipping Weight (lbs.) | OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|
| 4TXFH024CZ3HHB | 24,000 | Flat | TXVNB① | 21 x $33^1/_4$ | 22.7 x 10.2 x 37.5 | 48 | $^5/_8$ | $^3/_8$ |
| 4TXFH036CZ3HHB | 36,000 | Flat | TXVNB① | 21 x $33^1/_4$ | 22.7 x 10.2 x 37.5 | 53 | $^3/_4$ | $^3/_8$ |
| 4TXFH063CZ3HHB | 61,000 | Flat | TXVNB① | 27 x $33^1/_4$ | 28.7 x 10.2 x 37.5 | 63 | $^7/_8$ | $^3/_8$ |

**Important: Only these Flat Coils May be used with the 4TTZ0 or 4TWZ0 outdoor units.**

① Start Kit may be required on outdoor unit.

Coils

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

COIL-3

Effective 1/1/13
14-1011-29

# Split System – Uncased Coil Enclosures

**Table COIL-4-A — 13 SEER Coil Enclosures**

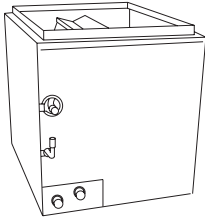| Model Number | Coils | Used With Furnaces Flush on Both Sides | Dimensions (in.) H x W x D | Shipping Weight (lbs.) |
|---|---|---|---|---|
| BAYCLE14A1422A | 4TXAA018BC<br>4TXAA024BC | 14½" Wide Furnace | 22½ x 14½ x 21½ | 12 |
| BAYCLE17A1722A | 4TXAB025AS<br>4TXAB031AS<br>4TXAB036AS<br>4TXAB025BC<br>4TXAB031BC<br>4TXAB032BC<br>4TXAB036BC<br>4TXAB042BC<br>4TXAB048BC | 17½" Wide Furnace | 22$^5$/8 x 17½ x 21½ | 14 |
| BAYCLE21A2130A | 4TXAC037AS<br>4TXAC054AS<br>4TXAC037BC<br>4TXAC043BC<br>4TXAC044BC<br>4TXAC049BC<br>4TXAC060BC | 21" Wide Furnace | 30 x 21x 21½ | 18 |
| BAYCLE24A2430A | 4TXAD065AS<br>4TXAD050BC<br>4TXAD061BC<br>4TXAD064BC | 24½" Wide Furnace | 30 x 24½ x 21½ | 22 |

# Split System – Cased/Uncased Heat Pump and Cooling Coils

| Table COIL-4-B — Features | 4TXC-CC 4NXC-AC | 4TXC-BC 4NXC-AC | 4TXA-BC 4NXA-CC | 4CXC-CC 4CXC-DC | 4TXF |
|---|---|---|---|---|---|
| • All aluminum coil | ✔ | ✔ | ✔ | ✔ | ✔ |
| • 100% foil lined insulation | ✔ | ✔ | — | ✔ | ✔ |
| • Internally checked non-bleed* thermal expansion valve with mechanical fittings (heat pump operation) | ✔ | ✔ | ✔ | — | ✔ |
| • Non-Bleed* thermal expansion valve with mechanical fittings (cooling only operation) | — | — | — | ✔ | — |
| • Easy case attachment to furnace | ✔ | ✔ | — | ✔ | — |
| • Upflow only application | — | — | — | ✔ | — |
| • Upflow/Downflow application | — | — | ✔ | — | — |
| • 4 way application - Upflow/Downflow/Horizontal (left/right) | ✔ | ✔ | — | — | — |
| • Horizontal application with Bi-Direction airflow | — | — | — | — | ✔ |
| • Suction pressure service port | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Double sloped non-corrosive drain pan - UL rated 400°F | ✔ | ✔ | ✔ | ✔ | — |
| • Sloped non-corrosive drain pan | — | — | — | — | ✔ |
| • Optimized for high efficiency with staged systems | ✔ | — | — | — | — |
| • Split inner and outer doors for easy coil inspection and cleaning | ✔ | ✔ | — | ✔ | — |
| • Painted galvanized steel cabinet to match furnace | ✔ | ✔ | — | ✔ | — |
| • Unpainted galvanized steel cabinet | — | — | — | — | ✔ |
| • **10-year registered limited warranty on coil, & all other functional parts (Residential Use)*** | ✔ | ✔ | ✔ | ✔ | ✔ |

*Start kit may be required on outdoor unit.

**Registered limited warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-544-8005; otherwise, American Standard Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.
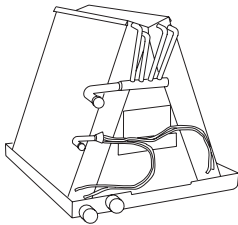
**Coils**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

# Silver Series Cased & Uncased Cooling Only Coils



**4FXC**

### Table COIL-5-A — 4FXC Cooling Only Cased Coils - Upflow/Downflow R-410A Refrigerant

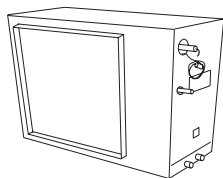| Model Number | Nom. Cap. Cooling (Btuh) | Coil Type | Refrigerant Control | Outlet Dim. (in.) W/H x D | Overall Dim. (in.) H x W x D | Shipping Weight (lbs.) | Line Size OD Gas | Line Size OD Liq. |
|---|---|---|---|---|---|---|---|---|
| 4FXCA024 | 24,000 | A | TXVNB① | $12^3/_4$ x $19^3/_4$ | 19 x 14.5 x 21.5 | 37 | $^3/_4$ | $^3/_8$ |
| 4FXCB024 | 24,000 | A | TXVNB① | $15^3/_4$ x $19^3/_4$ | 19 x 17.5 x 21.5 | 39 | $^3/_4$ | $^3/_8$ |
| 4FXCC024 | 24,000 | A | TXVNB① | $19^1/_4$ x $19^3/_4$ | 19 x 21 x 21.5 | 41 | $^3/_4$ | $^3/_8$ |
| 4FXCB036 | 36,000 | A | TXVNB① | $15^3/_4$ x $19^3/_4$ | 22.63 x 17.5 x 21.5 | 47 | $^3/_4$ | $^3/_8$ |
| 4FXCC036 | 36,000 | A | TXVNB① | $19^1/_4$ x $19^3/_4$ | 22.63 x 21 x 21.5 | 50 | $^3/_4$ | $^3/_8$ |
| 4FXCD036 | 36,000 | A | TXVNB① | $22^3/_4$ x $19^3/_4$ | 22.63 x 24.5 x 21.5 | 52 | $^3/_4$ | $^3/_8$ |
| 4FXCB042 | 42,000 | A | TXVNB① | $15^3/_4$ x $19^3/_4$ | 22.63 x 17.5 x 21.5 | 47 | $^7/_8$ | $^3/_8$ |
| 4FXCC042 | 42,000 | A | TXVNB① | $19^1/_4$ x $19^3/_4$ | 22.63 x 21 x 21.5 | 50 | $^7/_8$ | $^3/_8$ |
| 4FXCD042 | 42,000 | A | TXVNB① | $22^3/_4$ x $19^3/_4$ | 22.63 x 24.5 x 21.5 | 52 | $^7/_8$ | $^3/_8$ |
| 4FXCB048 | 48,000 | M | TXVNB① | $15^3/_4$ x $19^3/_4$ | 22.63 x 17.5 x 21.5 | 48 | $^7/_8$ | $^3/_8$ |
| 4FXCC048 | 48,000 | M | TXVNB① | $19^1/_4$ x $19^3/_4$ | 22.63 x 21 x 21.5 | 50 | $^7/_8$ | $^3/_8$ |
| 4FXCD048 | 48,000 | M | TXVNB① | $22^3/_4$ x $19^3/_4$ | 22.63 x 24.5 x 21.5 | 52 | $^7/_8$ | $^3/_8$ |
| 4FXCB060 | 60,000 | M | TXVNB① | $15^3/_4$ x $19^3/_4$ | 28.75 x 17.5 x 21.5 | 58 | $^7/_8$ | $^3/_8$ |
| 4FXCC060 | 60,000 | M | TXVNB① | $19^1/_4$ x $19^3/_4$ | 28.75 x 21 x 21.5 | 58 | $^7/_8$ | $^3/_8$ |
| 4FXCD060 | 60,000 | M | TXVNB① | $22^3/_4$ x $19^3/_4$ | 28.75 x 24.5 x 21.5 | 62 | $^7/_8$ | $^3/_8$ |
| 4FXCB061 | 60,000 | M | TXVNB① | $15^3/_4$ x $19^3/_4$ | 25 x 17.5 x 21.5 | 51 | $^7/_8$ | $^3/_8$ |
| 4FXCC061 | 60,000 | M | TXVNB① | $19^1/_4$ x $19^3/_4$ | 25 x 21 x 21.5 | 51 | $^7/_8$ | $^3/_8$ |
| 4FXCD061 | 60,000 | M | TXVNB① | $22^3/_4$ x $19^3/_4$ | 25 x 24.5 x 21.5 | 55 | $^7/_8$ | $^3/_8$ |



**4FXA**

### Table COIL-5-B — 4FXA Cooling Only Uncased Coils - Upflow/Downflow R-410A Refrigerant

| Model Number | Nom. Cap. Cooling (Btuh) | Coil Type | Refrigerant Control | Overall Dim. (in.) H x W x D | Shipping Weight (lbs.) | Line Size OD Gas | Line Size OD Liq. |
|---|---|---|---|---|---|---|---|
| 4FXAA024 | 24,000 | A | TXVNB① | 17.5 x 13 x 19.5 | 17 | $^3/_4$ | $^3/_8$ |
| 4FXAB024 | 24,000 | A | TXVNB① | 17.5 x 17 x 19.5 | 19 | $^3/_4$ | $^3/_8$ |
| 4FXAC024 | 24,000 | A | TXVNB① | 17.5 x 20 x 19.5 | 21 | $^3/_4$ | $^3/_8$ |
| 4FXAN036 | 36,000 | A | TXVNB① | 21.5 x 15 x 19.5 | 28 | $^3/_4$ | $^3/_8$ |
| 4FXAB036 | 36,000 | A | TXVNB① | 21.5 x 17 x 19.5 | 28 | $^3/_4$ | $^3/_8$ |
| 4FXAC036 | 36,000 | A | TXVNB① | 21.5 x 20 x 19.5 | 30 | $^3/_4$ | $^3/_8$ |
| 4FXAD036 | 36,000 | A | TXVNB① | 21.5 x 24 x 19.5 | 32 | $^3/_4$ | $^3/_8$ |
| 4FXAN042 | 42,000 | A | TXVNB① | 21.5 x 15 x 19.5 | 28 | $^3/_4$ | $^3/_8$ |
| 4FXAB042 | 42,000 | A | TXVNB① | 21.5 x 17 x 19.5 | 28 | $^7/_8$ | $^3/_8$ |
| 4FXAC042 | 42,000 | A | TXVNB① | 21.5 x 20 x 19.5 | 30 | $^7/_8$ | $^3/_8$ |
| 4FXAD042 | 42,000 | A | TXVNB① | 21.5 x 24 x 19.5 | 32 | $^7/_8$ | $^3/_8$ |
| 4FXAB048 | 48,000 | M | TXVNB① | 19.5 x 17 x 19.5 | 28 | $^7/_8$ | $^3/_8$ |
| 4FXAC048 | 48,000 | M | TXVNB① | 19.5 x 20 x 19.5 | 30 | $^7/_8$ | $^3/_8$ |
| 4FXAD048 | 48,000 | M | TXVNB① | 19.5 x 24 x 19.5 | 32 | $^7/_8$ | $^3/_8$ |
| 4FXAB060 | 60,000 | M | TXVNB① | 25.5 x 17 x 19.5 | 38 | $^7/_8$ | $^3/_8$ |
| 4FXAC060 | 60,000 | M | TXVNB① | 25.5 x 20 x 19.5 | 40 | $^7/_8$ | $^3/_8$ |
| 4FXAD060 | 60,000 | M | TXVNB① | 25.5 x 24 x 19.5 | 42 | $^7/_8$ | $^3/_8$ |
| 4FXAB061 | 60,000 | M | TXVNB① | 21.5 x 17 x 19.5 | 31 | $^7/_8$ | $^3/_8$ |
| 4FXAC061 | 60,000 | M | TXVNB① | 21.5 x 20 x 19.5 | 33 | $^7/_8$ | $^3/_8$ |
| 4FXAD061 | 60,000 | M | TXVNB① | 21.5 x 24 x 19.5 | 35 | $^7/_8$ | $^3/_8$ |

① Start Kit may be required on outdoor unit.

**Coils**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

COIL-5

Effective 1/1/13
14-1011-29

# Silver Series Flat & Horizontal Cooling Only Coils

**4FXFH**

**Table COIL-6-A — 4FXFH Cooling Only Flat Coils R-410A Refrigerant**

| Model Number | Nom. Cap. Cooling (Btuh) | Coil Type | Refrigerant Control | Outlet Dim. (in.) W/H x D | Overall Dim. (in.) H x W x D | Shipping Weight (lbs.) | Line Size OD Gas | Line Size OD Liq. |
|---|---|---|---|---|---|---|---|---|
| 4FXFH024 | 30,000 | Flat | TXVNB① | 16 x 21 | 24.5 x 24.5 x 10 | 27 | $3/4$ | $3/8$ |
| 4FXFH036 | 48,000 | Flat | TXVNB① | 30 x 21 | 24.5 x 36 x 10 | 33 | $3/4$ | $3/8$ |
| 4FXFH048 | 48,000 | Flat | TXVNB① | 30 x 21 | 24.5 x 36 x 10 | 40 | $7/8$ | $3/8$ |
| 4FXFH060 | 60,000 | Flat | TXVNB① | 30 x 21 | 24.5 x 36 x 10 | 40 | $7/8$ | $3/8$ |
| 4FXFH063 | 63,000 | Flat | TXVNB① | 34 x 21 | 24.5 x 37 x 10 | 45 | $7/8$ | $3/8$ |
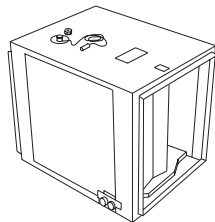
**4FXCH**

**Table COIL-6-B — 4FXCH Cooling Only Horizontal Coils R-410A Refrigerant**

| Model Number | Nom. Cap. Cooling (Btuh) | Coil Type | Refrigerant Control | Outlet Dim. (in.) W/H x D | Overall Dim. (in.) H x W x D | Shipping Weight (lbs.) | Line Size OD Gas | Line Size OD Liq. |
|---|---|---|---|---|---|---|---|---|
| 4FXCH024 | 30,000 | A | TXVNB① | 16.5 x 18.5 | 18.25 x 25 x 20.25 | 42 | $3/4$ | $3/8$ |
| 4FXCH036 | 36,000 | A | TXVNB① | 16.5 x 18.5 | 18.25 x 25 x 20.25 | 49 | $3/4$ | $3/8$ |
| 4FXCH048 | 48,000 | A | TXVNB① | 20.5 x 18.5 | 20.25 x 34.75 x 20.25 | 52 | $7/8$ | $3/8$ |
| 4FXCH060 | 60,000 | A | TXVNB① | 20.5 x 18.5 | 20.25 x 34.75 x 20.25 | 55 | $7/8$ | $3/8$ |

① Start Kit may be required on outdoor unit.

**Coils**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

COIL-6

Effective 1/1/13
14-1011-29

**American Standard®**
HEATING & AIR CONDITIONING

# Platinum ZV, Gold ZM, Gold XM, Silver ZI, Gold XI, and Silver SI Convertible Gas Furnaces Airflow Directions

*AIR FLOW* (↑)

**UPFLOW**

**DOWNFLOW**

*AIR FLOW* (↓)

*AIR FLOW* (←) **UPFLOW/HORIZONTAL**

**DOWNFLOW/HORIZONTAL** *AIR FLOW* (→)

*AIR FLOW* (←) **UPFLOW/HORIZONTAL**

**DOWNFLOW/HORIZONTAL** *AIR FLOW* (→)
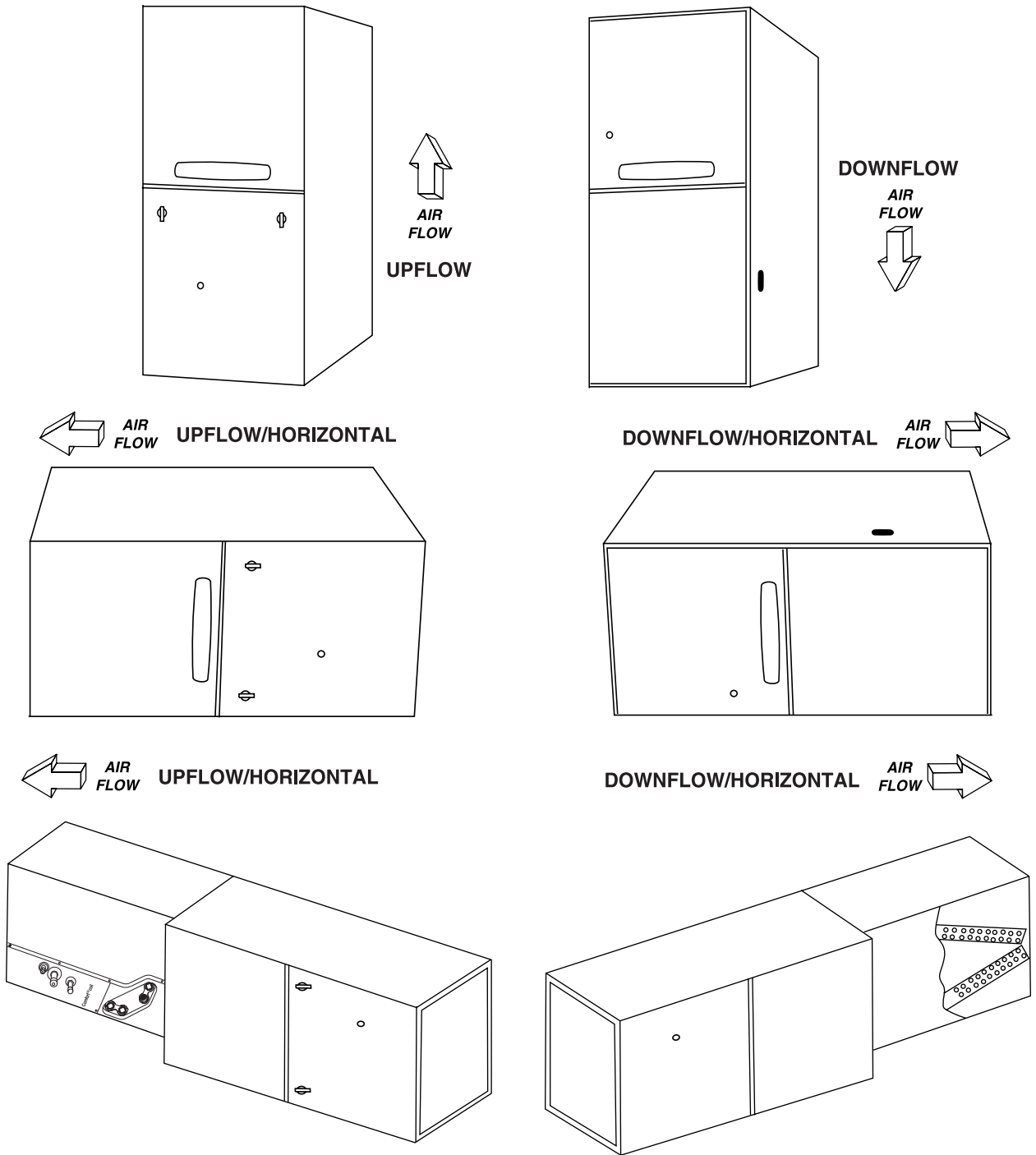
**Note:** The forty inch (40") height condensing downflow/horizontal and upflow/horizontal furnaces may only be rotated onto their left side. Connection brackets for coil/furnace alignment are included with the furnaces. The apex of the coil may point into or away from the airflow.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

FUR-1

Effective 1/1/13

14-1011-29

*American Standard*®
HEATING & AIR CONDITIONING

# Platinum ZV – Modulating, Communicating ECM Variable Speed
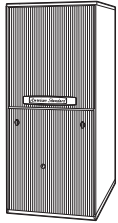
**Platinum ZV Direct/Non-Direct Vent**

**Table FUR-2-A — Variable Speed, Communicating, Modulating Direct/Non-Direct Vent, Upflow/Horizontal Left Condensing Gas Furnace (115/1/60)④⑤⑦**

| Unit Model No. | Airflow In Tons | Output (Btuh) | | ICS① AFUE | Flue Size (in) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter Sizes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Stage 3 High Stage/100% | Stage 1 Low Stage/40%③ | | | | | | | |
| AUHMB060ACV3VA | 3 | 58,380 | 23,352 | 97.3② | 2, 2½, 3 | ⑥ | 40 x 17½ x 28 | 158 | 15 | 17 x 25 x 1 |
| AUHMB080ACV3VA | 3 | 77,360 | 30,944 | 96.7② | 2, 2½, 3 | ⑥ | 40 x 17½ x 28 | 168 | 15 | 17 x 25 x 1 |
| AUHMC100ACV4VA | 4 | 96,000 | 38,400 | 96.0 | 2½, 3 | ⑥ | 40 x 21 x 28 | 197 | 20 | 20 x 25 x 1 |
| AUHMD120ACV5VA | 5 | 116,400 | 52,380 | 97.0② | 3 | ⑥ | 40 x 24½ x 28 | 206 | 20 | 24 x 25 x 1 |

Note: Variable speed furnaces should not be twinned and are not approved for twinning applications.
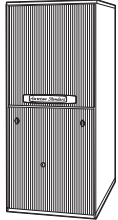
**Platinum ZV Direct/Non-Direct Vent**

**Table FUR-2-B — Variable Speed, Communicating, Modulating Direct/Non-Direct Vent, Downflow/Horizontal Right Condensing Gas Furnace (115/1/60)④⑤⑦**

| Unit Model No. | Airflow In Tons | Output (Btuh) | | ICS① AFUE | Flue Size (in) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter Sizes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Stage 3 High Stage/100% | Stage 1 Low Stage/40%③ | | | | | | | |
| ADHMB060ACV3VB | 3 | 57,000 | 22,800 | 95.0② | 2, 2½, 3 | ⑥ | 40 x 17½ x 28 | 160 | 15 | (2)14 x 20 x 1 |
| ADHMB080ACV3VA | 3 | 76,000 | 30,400 | 96.0② | 2, 2½, 3 | ⑥ | 40 x 17½ x 28 | 168 | 15 | (2)14 x 20 x 1 |
| ADHMC100ACV4VA | 4 | 96,000 | 38,400 | 96.0 | 2½, 3 | ⑥ | 40 x 21 x 28 | 185 | 20 | (2)16 x 20 x 1 |
| ADHMD120ACV5VB | 5 | 114,000 | 51,300 | 95.0② | 3 | ⑥ | 40 x 24½ x 28 | 206 | 20 | (2)16 x 20 x 1 |

Note: Variable speed furnaces should not be twinned and are not approved for twinning applications.

# Gold ZM – Two Stage ECM Variable Speed

**Gold ZM Direct/Non-Direct Vent**

**Table FUR-2-C — Variable Speed, Direct/Non-Direct Vent, Upflow/Horizontal Left Condensing Gas Furnace (115/1/60)**

| Unit Model No. | Airflow In Tons | Output (Btuh) | | ICS① AFUE | Flue Size (in) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter Sizes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Stage 2 | Stage 1 | | | | | | | |
| AUH2B060A9V3VA | 3 | 58,200 | 37,830 | 97.0② | 2, 2½, 3 | ⑥ | 40 x 17½ x 28 | 158 | 15 | 17 x 25 x 1 |
| AUH2B080A9V3VA | 3 | 77,600 | 50,440 | 97.0② | 2, 2½, 3 | ⑥ | 40 x 17½ x 28 | 168 | 15 | 17 x 25 x 1 |
| AUH2B080A9V4VA | 4 | 77,600 | 50,440 | 97.0② | 2, 2½, 3 | ⑥ | 40 x 17½ x 28 | 170 | 20 | 17 x 25 x 1 |
| AUH2C100A9V4VA | 4 | 96,700 | 62,855 | 96.7② | 2½, 3 | ⑥ | 40 x 21 x 28 | 197 | 20 | 20 x 25 x 1 |
| AUH2C100A9V5VA | 5 | 96,700 | 62,855 | 96.7② | 2½, 3 | ⑥ | 40 x 21 x 28 | 199 | 20 | 20 x 25 x 1 |
| AUH2D120A9V5VA | 5 | 116,040 | 75,426 | 96.7② | 3 | ⑥ | 40 x 24½ x 28 | 206 | 20 | 24 x 25 x 1 |

Note: Variable speed furnaces should not be twinned and are not approved for twinning applications.

**Gold ZM Direct/Non-Direct Vent**

**Table FUR-2-D — Variable Speed, Direct/Non-Direct Vent, Downflow/Horizontal Right Condensing Gas Furnace (115/1/60)**

| Unit Model No. | Airflow In Tons | Output (Btuh) | | ICS① AFUE | Flue Size (in) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter Sizes |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Stage 2 | Stage 1 | | | | | | | |
| ADH2B060A9V3VA | 3 | 57,600 | 37,440 | 96.0② | 2, 2½, 3 | ⑥ | 40 x 17½ x 28 | 160 | 15 | (2)14 x 20 x 1 |
| ADH2B080A9V3VA | 3 | 76,800 | 49,920 | 96.0② | 2, 2½, 3 | ⑥ | 40 x 17½ x 28 | 168 | 15 | (2)14 x 20 x 1 |
| ADH2B080A9V4VA | 4 | 76,000 | 49,400 | 95.0② | 2, 2½, 3 | ⑥ | 40 x 17½ x 28 | 172 | 20 | (2)14 x 20 x 1 |
| ADH2C100A9V4VA | 4 | 96,000 | 62,400 | 96.0② | 2½, 3 | ⑥ | 40 x 21 x 28 | 185 | 20 | (2)16 x 20 x 1 |
| ADH2D120A9V5VA | 5 | 115,200 | 74,880 | 96.0② | 3 | ⑥ | 40 x 24½ x 28 | 206 | 20 | (2)16 x 20 x 1 |

① Isolated Combustion System.
② Energy Star.
③ Low stage is equal to 45% for AUHMD120 model and the ADHMD120 model.
④ Furnace use in 24, non-communicating mode.
⑤ Direct drive variable speed motor is an ECM constant airflow blower motor.
⑥ Silicon Nitride
⑦ Must use ACONT900 or AZONE950 control in communicating mode.
* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
** Filters are not shipped with furnace.
 Note: Variable speed furnaces should not be twinned and are not approved for twinning applications

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

FUR-2

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# Gold XM – Two Stage
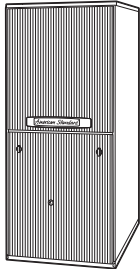
**Gold XM Direct/
Non-Direct Vent**

**Table FUR-3-A — Direct/Non-Direct Vent, Upflow/Horizontal Left Condensing Gas Furnace (115/1/60)**

| Unit Model No. | Airflow In Tons | Output (Btuh) Stage 2 | Output (Btuh) Stage 1 | ICS① AFUE | Flue Size (in) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter** Sizes |
|---|---|---|---|---|---|---|---|---|---|---|
| AUH2B060A936VA | 3 | 57,600 | 37,440 | 96.0 | 2, 2$\frac{1}{2}$, 3 | ② | 40 x 17$\frac{1}{2}$ x 28 | 150 | 15 | 17 x 25 x 1 |
| AUH2B080A942VA | 3$\frac{1}{2}$ | 76,800 | 49,920 | 96.0 | 2, 2$\frac{1}{2}$, 3 | ② | 40 x 17$\frac{1}{2}$ x 28 | 158 | 15 | 17 x 25 x 1 |
| AUH2C100A948VA | 4 | 96,000 | 62,400 | 96.0 | 2$\frac{1}{2}$, 3 | ② | 40 x 21 x 28 | 171 | 20 | 20 x 25 x 1 |
| AUH2D120A960VA | 5 | 115,200 | 74,880 | 96.0 | 3 | ② | 40 x 24$\frac{1}{2}$ x 28 | 205 | 20 | 24 x 25 x 1 |
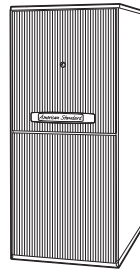
**Gold XM Direct/
Non-Direct Vent**

**Table FUR-3-B — Direct/Non-Direct Vent, Downflow/Horizontal Right Condensing Gas Furnace (115/1/60)**

| Unit Model No. | Airflow In Tons | Output (Btuh) Stage 2 | Output (Btuh) Stage 1 | ICS① AFUE | Flue Size (in) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter** Sizes |
|---|---|---|---|---|---|---|---|---|---|---|
| ADH2B060A936VA | 2 | 57,000 | 37,000 | 95.0 | 2, 2$\frac{1}{2}$, 3 | ② | 40 x 17$\frac{1}{2}$ x 28 | 155 | 15 | (2)14 x 20 x 1 |
| ADH2B080A942VA | 3$\frac{1}{2}$ | 76,000 | 49,400 | 95.0 | 2, 2$\frac{1}{2}$, 3 | ② | 40 x 17$\frac{1}{2}$ x 28 | 168 | 15 | (2)14 x 20 x 1 |
| ADH2C100A948VA | 4 | 95,000 | 61,800 | 95.0 | 2$\frac{1}{2}$, 3 | ② | 40 x 21 x 28 | 185 | 20 | (2)16 x 20 x 1 |
| ADH2D120A960VA | 5 | 115,200 | 74,880 | 96.0 | 3 | ② | 40 x 24$\frac{1}{2}$ x 28 | 206 | 20 | (2)16 x 20 x 1 |

Note: Variable speed furnaces should not be twinned and are not approved for twinning applications.
① Isolated Combustion System.
② Silicon Nitride.
* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
** Filters are not shipped with furnace.

# Silver ZI – Single Stage

**Silver ZI Direct/Non-Direct Vent**

**Table FUR-3-C — Direct/Non-Direct Vent, Upflow/Horizontal Left Condensing Gas Furnace (115/1/60)**

| Unit Model No. | Airflow In Tons | Nominal Output (Btuh) | ICS① AFUE | Flue Size (in) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter** Sizes |
|---|---|---|---|---|---|---|---|---|---|
| AUH1B040A9241A | 2 | 38,000 | 95.0 | 2, 2$\frac{1}{2}$, 3 | ② | 40 x 17$\frac{1}{2}$ x 28 | 139 | 15 | 17 x 25 x 1 |
| AUH1B060A9361A | 3 | 57,000 | 95.0 | 2, 2$\frac{1}{2}$, 3 | ② | 40 x 17$\frac{1}{2}$ x 28 | 150 | 15 | 17 x 25 x 1 |
| AUH1B080A9421B | 3$\frac{1}{2}$ | 73,150 | 95.0 | 2, 2$\frac{1}{2}$, 3 | ② | 40 x 17$\frac{1}{2}$ x 28 | 158 | 15 | 17 x 25 x 1 |
| AUH1C080A9601A | 5 | 76,000 | 95.0 | 3 | ② | 40 x 21 x 28 | 171 | 20 | 20 x 25 x 1 |
| AUH1C100A9481A | 4 | 92,150 | 95.0 | 3 | ② | 40 x 21 x 28 | 171 | 20 | 20 x 25 x 1 |
| AUH1D100A9601A | 5 | 92,150 | 95.0 | 3 | ② | 40 x 24$\frac{1}{2}$ x 28 | 197 | 20 | 24 x 25 x 1 |
| AUH1D120A9601A | 5 | 104,500 | 95.0 | 3 | ② | 40 x 24$\frac{1}{2}$ x 28 | 205 | 20 | 24 x 25 x 1 |
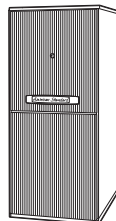
**Silver ZI Direct/Non-Direct Vent**

**Table FUR-3-D — Direct/Non-Direct Vent, Downflow/Horizontal Right Condensing Gas Furnace (115/1/60)**

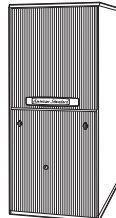| Unit Model No. | Airflow In Tons | Nominal Output (Btuh) | ICS① AFUE | Flue Size (in) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max② Fuse* | Filter** Sizes |
|---|---|---|---|---|---|---|---|---|---|
| ADH1B040A9241A | 2 | 38,000 | 95.0 | 2,2$\frac{1}{2}$,3 | ② | 40 x 17$\frac{1}{2}$ x 28 | 155 | 15 | (2)14 x 20 x 1 |
| ADH1B065A9421A | 3$\frac{1}{2}$ | 57,000 | 95.0 | 2,2$\frac{1}{2}$,3 | ② | 40 x 17$\frac{1}{2}$ x 28 | 168 | 15 | (2)14 x 20 x 1 |
| ADH1C085A9481A | 4 | 76,000 | 95.0 | 2$\frac{1}{2}$,3 | ② | 40 x 21 x 28 | 185 | 15 | (2)16 x 20 x 1 |
| ADH1D110A9601A | 5 | 104,500 | 95.0 | 2$\frac{1}{2}$,3 | ② | 40 x 24$\frac{1}{2}$ x 28 | 206 | 20 | (2)16 x 20 x 1 |

① Isolated Combustion System.
② Silicon Nitride.
* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
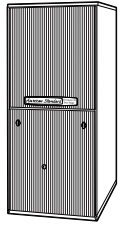** Filters are not shipped with furnace.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Gold XI - Single Stage with ECM Multi-Speed Motor

**Table FUR-4-A — Direct/Non-Direct Vent, Upflow/Horizontal Left Condensing Gas Furnace with Filter**

| Unit Model No. | Airflow In Tons | Nominal Output (Btuh) | ICS① AFUE | Flue Size (in) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter Sizes |
|---|---|---|---|---|---|---|---|---|---|
| AUH1B040A9H21A | 2 | 38,000 | 95.0③ | 2, 2$\frac{1}{2}$, 3 | ② | 40 x 17$\frac{1}{2}$ x 28 | 139 | 15 | 17 x 25 x 1 |
| AUH1B060A9H31A | 3 | 57,000 | 95.0③ | 2, 2$\frac{1}{2}$, 3 | ② | 40 x 17$\frac{1}{2}$ x 28 | 150 | 15 | 17 x 25 x 1 |
| AUH1B080A9H31B | 3 | 73,150 | 95.0 | 2, 2$\frac{1}{2}$, 3 | ② | 40 x 17$\frac{1}{2}$ x 28 | 158 | 15 | 17 x 25 x 1 |
| AUH1C100A9H41A | 3$\frac{1}{2}$ | 92,150 | 95.0③ | 3 | ② | 40 x 21 x 28 | 171 | 15 | 20 x 25 x 1 |
| AUH1D120A9H51A | 5 | 104,500 | 95.0③ | 3 | ② | 40 x 24$\frac{1}{2}$ x 28 | 205 | 20 | 24 x 25 x 1 |
| ADH1B040A9H21A | 2 | 38,000 | 95.0③ | 2, 2$\frac{1}{2}$, 3 | ② | 40 x 17$\frac{1}{2}$ x 28 | 145 | 15 | (2) 14 x 20 x 1 |
| ADH1B065A9H31A | 3 | 57,000 | 95.0 | 2, 2$\frac{1}{2}$, 3 | ② | 40 x 17$\frac{1}{2}$ x 28 | 158 | 15 | (2) 14 x 20 x 1 |
| ADH1C085A9H41A | 4 | 76,000 | 95.0 | 2$\frac{1}{2}$, 3 | ② | 40 x 21 x 28 | 171 | 15 | (2) 16 x 20 x 1 |
| ADH1D110A9H51A | 5 | 104,500 | 95.0 | 2$\frac{1}{2}$, 3 | ② | 40 x 24$\frac{1}{2}$ x 28 | 205 | 20 | (2) 16 x 20 x 1 |

① Isolated Combustion System.
② Silicon Nitride.
③ Energy Star

# Silver SI – Single Stage
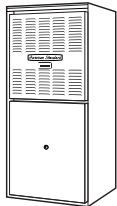
**Table FUR-4-B — Direct/Non-Direct Vent, Upflow/Horizontal Left Condensing Gas Furnace (115/1/60)**

| Unit Model No. | Airflow In Tons | Nominal Output (Btuh) | AFUE | Flue Size (in) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter** Sizes |
|---|---|---|---|---|---|---|---|---|---|
| AUC1B040A9241A | 2 | 37,000 | 92.1 | 2, 2$\frac{1}{2}$, 3 | Silicon Nitride | 40 x 17$\frac{1}{2}$ x 28 | 139 | 15 | 17 x 25 x 1 |
| AUC1B060A9361A | 3 | 56,000 | 92.1 | 2, 2$\frac{1}{2}$, 3 | Silicon Nitride | 40 x 17$\frac{1}{2}$ x 28 | 150 | 15 | 17 x 25 x 1 |
| AUC1B080A9421A | 3$\frac{1}{2}$ | 74,000 | 92.1 | 2, 2$\frac{1}{2}$, 3 | Silicon Nitride | 40 x 17$\frac{1}{2}$ x 28 | 158 | 15 | 17 x 25 x 1 |
| AUC1C100A9481A | 4 | 94,000 | 92.1 | 2$\frac{1}{2}$, 3 | Silicon Nitride | 40 x 21 x 28 | 171 | 20 | 20 x 25 x 1 |
| AUC1D100A9601A | 5 | 93,000 | 92.1 | 2$\frac{1}{2}$, 3 | Silicon Nitride | 40 x 24$\frac{1}{2}$ x 28 | 197 | 20 | 24 x 25 x 1 |
| AUC1D120A9601A | 5 | 113,000 | 92.1 | 2$\frac{1}{2}$, 3 | Silicon Nitride | 40 x 24$\frac{1}{2}$ x 28 | 205 | 20 | 24 x 25 x 1 |

**Table FUR-4-C — Direct/Non-Direct Vent, Downflow/Horizontal Right Condensing Gas Furnace (115/1/60)**

| Unit Model No. | Airflow In Tons | Nominal Output (Btuh) | AFUE | Flue Size (in) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter** Sizes |
|---|---|---|---|---|---|---|---|---|---|
| ADC1B040A9241A | 2 | 37,000 | 92.1 | 2, 2$\frac{1}{2}$, 3 | Silicon Nitride | 40 x 17$\frac{1}{2}$ x 28 | 145 | 15 | (2) 14 x 20 x 1 |
| ADC1B060A9361A | 3 | 56,000 | 92.1 | 2, 2$\frac{1}{2}$, 3 | Silicon Nitride | 40 x 17$\frac{1}{2}$ x 28 | 155 | 15 | (2) 14 x 20 x 1 |
| ADC1B080A9421A | 3$\frac{1}{2}$ | 74,000 | 92.1 | 2, 2$\frac{1}{2}$, 3 | Silicon Nitride | 40 x 17$\frac{1}{2}$ x 28 | 168 | 15 | (2) 14 x 20 x 1 |
| ADC1C100A9481A | 4 | 93,000 | 92.1 | 2$\frac{1}{2}$, 3 | Silicon Nitride | 40 x 21 x 28 | 185 | 20 | (2) 16 x 20 x 1 |
| ADC1D120A9601A | 5 | 112,000 | 92.1 | 2$\frac{1}{2}$, 3 | Silicon Nitride | 40 x 24$\frac{1}{2}$ x 28 | 206 | 20 | (2) 16 x 20 x 1 |

\* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
\*\* Filters are not shipped with furnace.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Platinum ZV, Gold ZM, Gold XM, Silver ZI, Gold XI, and Silver SI Convertible Gas Furnace

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**Airflow Directions:**
Downflow models when placed in horizontal position provide left to right airflow. Upflow models when placed in horizontal position provide right to left airflow.

**Table FUR-5-A — Features**

| Feature | AUHM/ADHM Modulating 1 or 2 Pipe Variable Speed | AUH2/ADH2 2 Stage 1 or 2 Pipe Variable Speed | AUH1-H/ADH1-H 1 Stage 1 or 2 Pipe Variable Speed | AUH2/ADH2 1 Stage 1 or 2 Pipe PSC | AUH1/ADH1 1 Stage 1or 2 Pipe | AUC1/ADC1 1 Stage 1 or 2 Pipe |
|---|---|---|---|---|---|---|
| • **Comfort-R™** enhanced mode (cooling) | ✔ | ✔ | — | — | — | — |
| • **AccuLink™** system② | ✔ | — | — | — | — | — |
| • Adjustable heating fan off timing | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Alternate bottom/left/right return air (upflow models only) | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Blower door safety switch | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Bottom panel (upflow models only) | ✔ | ✔ | ✔ | ✔ | ✔ | — |
| • Cleanable/Reusable high velocity filters | ✔ | ✔ | ✔ | — | — | — |
| • Complete front service access | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Direct drive, multi-speed (PSC) blower motor | — | — | — | ✔ | ✔ | ✔ |
| • Direct drive, multi-speed ECM blower motor (high efficiency)* | — | — | ✔ | — | — | — |
| • Direct drive, variable speed ECM blower motor** | ✔ | ✔ | — | — | — | — |
| • Downflow horizontal right (downflow models only) | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Dual PVC pipe venting (1 or 2 pipe option) | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Two stage combination gas valve and regulator | — | ✔ | — | ✔ | — | — |
| • One stage combination gas valve and regulator | — | — | ✔ | — | ✔ | ✔ |
| • Modulating gas valve and regulator | ✔ | — | — | — | — | — |
| • Gasketed blower door (upflow models only) | ✔ | ✔ | ✔ | ✔ | ✔ | — |
| • Heavy gauge reinforced wrap-around steel cabinet | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Humidifier/EAC hook-up capability | ✔ | ✔ | ✔ | ✔ | ✔ | — |
| • Inner blower door panel (downflow models only) | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Insulated blower compartment 4 sides | ✔ | ✔ | ✔ | ✔ | ✔ | — |
| • Integrated solid state control w/self diagnostics | ✔ | — | — | — | — | — |
| • Left/right condensate drain capability in vertical application | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Service diagnostics with faults reported at the user interface | ✔ | — | — | — | — | — |
| • Lite Port™/Stored diagnostics | ✔ | ✔ | — | ✔ | — | — |
| • Manual reset flame roll out switches | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Mobile home approved w/BAYMFGH100A | — | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Multi-port in shot burners | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Painted cabinet single color | — | — | — | — | — | ✔ |
| • Painted cabinet two tone color | ✔ | ✔ | ✔ | ✔ | ✔ | — |
| • Perfect fit door latches (upflow models only) | ✔ | — | — | — | — | — |
| • Service diagnostic capabilities | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Slide out blower assembly | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Side return duct starter tabs (upflow models only) | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Silicon Nitride hot surface igniter | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Single wire twinning | — | — | ✔ | ✔ | ✔ | — |
| • Solid burner door (quiet operation) | ✔ | ✔ | ✔ | ✔ | ✔ | — |
| • 20 gauge aluminized steel heat exchanger | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • 24 volt secondary fuse | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Multiple heating blower speeds | ✔ | ✔ | ✔ | — | — | — |
| • Two heating blower speeds | — | — | — | ✔ | — | — |
| • Type 29-4C™ stainless steel secondary heat exchanger | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Upflow horizontal left (upflow models only) | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Variable speed venter motor | ✔ | ✔ | — | ✔ | — | — |
| • **Registered limited lifetime heat exchanger warranty and 10-year on all other functional parts (Residential Use)①** | ✔ | ✔ | ✔ | — | ✔ | ✔ |
| • **Optional extended warranties available** | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |

① Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.
② Field configurable to 24V non-communicating mode.
Note: Variable speed furnaces should not be twinned and are not approved for twinning applications.
*Constant torque ECM (electronically commutated motor).
**Constant airflow ECM (electronically commutated motor).

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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*American Standard*
H E A T I N G   &   A I R   C O N D I T I O N I N G

# Platinum ZV, Gold ZM, Gold XM, Silver ZI, Gold XI, and Silver SI Convertible Gas Furnace

**Airflow Directions:**
Downflow models when placed in horizontal position provide left to right airflow. Upflow models when placed in horizontal position provide right to left airflow.

**Table FUR-6-A — Optional Accessories**

| Model Number | Description | Shipping Weight | AUHM/ADHM Modulating 1 or 2 Pipe Variable Speed | AUH2/ADH2 2 Stage 1 or 2 Pipe Variable Speed |
|---|---|---|---|---|
| BAYBASE205 | Downflow subbase for downflow models only | 8 | ✔ | ✔ |
| BAYFLTR200 | External side filter rack | 5 | ✔ | ✔ |
| BAYFLTR203 | Filter kit horiz conversion for 17.5" cabinet | 3 | ✔ | ✔ |
| BAYFLTR204 | Filter kit horiz conversion for 21" cabinet | 3 | ✔ | ✔ |
| BAYFLTR205 | Filter kit horiz conversion for 24.5" cabinet | 3 | ✔ | ✔ |
| BAYFLTR317① | Cleanable filter for 17.5" cabinet upflow only | 2 | ✔ | ✔ |
| BAYFLTR321① | Cleanable filter for 21" cabinet upflow only | 2 | ✔ | ✔ |
| BAYFLTR324① | Cleanable filter for 24.5" cabinet upflow only | 2 | ✔ | ✔ |
| BAYLPKT210B | Propane conversion kit | 1 | — | ✔ |
| BAYLPKT220B | Propane conversion kit | 2 | ✔ | — |
| BAYLPSS210B | LP Kit with Stainless Steel Burners | 1 | — | ✔ |
| BAYLPSS220B | LP Kit with Stainless Steel Burners | 2 | ✔ | — |
| BAYMFGH100A | Manufactured/mobil home kit | 2 | — | ✔ |
| BAYRACK960A | Filter rack kit for upflow models only (internal)② | 5 | ✔ | ✔ |
| BAYAIR30AVENTA | Concentric vent kit for 2, 2½ and 3" ven system | 11 | ✔ | ✔ |
| BAYVENT200B | Sidewall vent Termination Kit fo Direct vent furnaces | 2 | ✔ | ✔ |
| BAYVENT500A | Side vent kit for downflow models only | 3 | ✔ | ✔ |
| BAYACCECOMM101 | AccuClean™ hookup kit for communicating furnaces | 1 | ✔ | — |

① Contains one (1) high velocity filter.
② Internal filter rack for side or bottom return air. Includes 17 x 25" cleanable filter for use in side return applications. Bottom return applications require different sizes of filters which are not included. Airflow requirements over 1800 CFM require filters on both sides or a side and bottom or bottom only.
Note: Variable speed furnaces should not be twinned and are not approved for twinning applications.

**Airflow Directions:**
Downflow models when placed in horizontal position provide left to right airflow. Upflow models when placed in horizontal position provide right to left airflow.

**Table FUR-6-B — Optional Accessories**

| Model Number | Description | Shipping Weight | AUH1-H/ADH1-H 2 Stage 1 or 2 Pipe | AUH2/ADH2 2 Stage 1 or 2 Pipe PSC | AUH1/ADH1/AUX1/ADX1 1 Stage 1 or 2 Pipe | AUC1/ADC1 1 Stage 1 or 2 Pipe |
|---|---|---|---|---|---|---|
| BAYBASE205 | Downflow subbase for downflow models only | 8 | ✔ | ✔ | ✔ | ✔ |
| BAYFLTR200 | External side filter rack | 5 | ✔ | ✔ | ✔ | ✔ |
| BAYFLTR203 | Filter kit horiz conversion for 17.5" cabinet | 3 | ✔ | ✔ | ✔ | ✔ |
| BAYFLTR204 | Filter kit horiz conversion for 21" cabinet | 3 | ✔ | ✔ | ✔ | ✔ |
| BAYFLTR205 | Filter kit horiz conversion for 24.5" cabinet | 3 | ✔ | ✔ | ✔ | ✔ |
| BAYFLTR206 | Filter kit | 2 | — | — | ✔ | ✔ |
| BAYFLTR317① | Cleanable filter for 17.5" cabinet upflow only | 2 | ✔ | ✔ | ✔ | ✔ |
| BAYFLTR321① | Cleanable filter for 21" cabinet upflow only | 2 | ✔ | ✔ | ✔ | ✔ |
| BAYFLTR324① | Cleanable filter for 24.5" cabinet upflow only | 2 | ✔ | ✔ | ✔ | ✔ |
| BAYLPKT210B | Propane conversion kit | 1 | ✔ | ✔ | ✔ | ✔ |
| BAYLPSS210B | LP Kit with Stainless Steel Burners | 1 | ✔ | ✔ | ✔ | ✔ |
| BAYMFGH100A | Manufactured/mobil home kit | 2 | ✔ | ✔ | ✔ | ✔ |
| BAYRACK960A | Filter rack kit for upflow models only (internal)② | 5 | ✔ | ✔ | ✔ | ✔ |
| BAYAIR30AVENTA | Concentric vent kit for 2, 2½ and 3" vent system | 11 | ✔ | ✔ | ✔ | ✔ |
| BAYVENT200B | Sidewall vent Termination Kit fo Direct vent furnaces | 2 | ✔ | ✔ | ✔ | ✔ |
| BAYVENT500A | Side vent kit for downflow models only | 3 | ✔ | ✔ | ✔ | ✔ |

① Contains one (1) high velocity filter.
② Internal filter rack for side or bottom return air. Includes 17 x 25" cleanable filter for use in side return applications. Bottom return applications require different sizes of filters which are not included. Airflow requirements over 1800 CFM require filters on both sides or a side and bottom or bottom only.
Note: Variable speed furnaces should not be twinned and are not approved for twinning applications.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

FUR-6

Effective 1/1/13
14-1011-29

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# Special Use Furnace Accessories

### Table FUR-7-A — High Altitude Pressure Switch 90%

| Model Number | Description | Used With | Shipping Weight |
|---|---|---|---|
| BAYHALT225 | 1 Switch | AUC080,100C948,120C,ADC080,120C | 2 |
| BAYHALT226 | 1 Switch | AUC,ADC060C | 2 |
| BAYHALT227 | 1 Switch | AUC100C948 | 2 |
| BAYHALT228 | 1 Switch | AUC/ADC040C | 2 |
| BAYHALT230 | 1 Switch | AUX/ADX040C,AUX1B040,D100/ADX1B040 | 2 |
| BAYHALT231 | 1 Switch | AUX060C,AUX1060C | 2 |
| BAYHALT232 | 1 Switch | AUX080C,AUX1B080C | 2 |
| BAYHALT233 | 1 Switch | AUX100,120C/ADX080,120C,AUX1C100,D120/ADX1B080,D120 | 2 |
| BAYHALT234 | 1 Switch | ADX100C,ADX1C100 | 2 |
| BAYHALT241 | 1 Switch | ADX060C,ADX1B060 | 2 |
| BAYHALT245 | 2 Switches | ADX/AUX/ADY/AUY060-R | 2 |
| BAYHALT246 | 2 Switches | ADX/AUX/ADY/AUY080,100-R | 2 |
| BAYHALT247 | 2 Switches | ADX/AUX/ADY/AUY120-R | 2 |
| BAYHALT248 | 1 Switch | AUD1/ADD1,AUE1/ADE | 2 |
| BAYHALT249 | 1 Switch | AUD2,AUD-R-K,ADD-R-F,ADD2 | 2 |

### Table FUR-7-B — High Altitude Pressure Switch 90%

| Model Number | Description | Used With | Shipping Weight |
|---|---|---|---|
| BAYSWT01AHALTA | 1 Switch | AUC1B040,AUC1D100,ADC1B040,AUX1B040, AUX1D100,ADX1B040,AUH1B040,ADH1B040,ADH1C085 | 2 2 |
| BAYSWT02AHALTA | 1 Switch | AUC1B060,AUX1B060 | 2 |
| BAYSWT03AHALTA | 1 Switch | AUC1B080,AUX1B080 | 2 |
| BAYSWT04AHALTA | 1 Switch | AUC1C100,AUC1D120,ADC1B080, ADC1C100,ADC1D120,AUX1C100,AUX1D120, ADX1B080,ADX1D120,AUH1B060 | 2 |
| BAYSWT05AHALTA | 1 Switch | ADX1C100,AUH1B080,AUH1C100,ADH1D110 | 2 |
| BAYSWT06AHALTA | 1 Switch | ADC1B060,ADX1B060 | 2 |
| BAYSWT07AHALTA | 1 Switch | AUH3/AUHMB060,ADH3/ADHMB060,AUX2B060,ADX2B060, AUY060R,ADY060R | 2 |
| BAYSWT08AHALTA | 1 Switch | AUX2B080,AUX2C100,ADX2B080,ADX2C100,AUY120R,ADY120R, AUH2B080,ADH2B080,AUH2C100,ADH2C100,AUH2D120, ADH2D120,AUH3/AUHMD120,ADH3/ADHMD120 | 2 |
| BAYSWT09AHALTA | 1 Switch | AUX2D120,ADX2D120,AUY080R,ADY080R,AUY100R, ADY100R,AUH3/AUHMB080,ADH3/ADHMB080,AUH3/AUHMC100, ADH/ADHM3C100 | 2 |
| BAYSWT10AHALTA | 1 Switch | AUH2B060A,ADH2B060A | 2 |
| BAYSWT11AHALTA | 1 Switch | AUH1C080 | 2 |
| BAYSWT12AHALTA | 1 Switch | ADH1B065 | 2 |
| BAYSWT01AMALTB | 1 Switch | AUX1 | 2 |

**The following changes occurred beginning with serial number 6151:**
1. All 2 stage furnace changed from two separate pressure switches to one piggy back switch.
2. The high altitude pressure switches are now piggy back.
3. The new piggy back switches are not interchangeable with the original two switch design.
4. The pressure switch mounting plate is different for the piggy back switches.
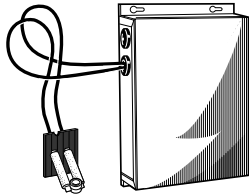
### Table FUR-7-C — Dual Fuel Heat Pump Control Kit① ②

| Model Number | Case Height | Used With |
|---|---|---|
| TAYPLUS103A | Heat Pump Control Kit | Gas, LP., Oil and Electric Furnaces |
| TAYSTAT250B | Outdoor Thermostat | TAYPLUS103A for Restricted Mode |

① Factory wired for non-restricted mode, can be wired for restricted mode.
② Applicable for all furnaces with 35 VA or larger low voltage transformer (separate high voltage power not required).

Bonnet Switch    TAYPLUS103A

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

# Platinum SV, Gold SV, Gold SM, Silver XI, Silver SI+, and Silver SI Gas Furnaces Airflow Directions

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AIR FLOW

UPFLOW

DOWNFLOW
AIR FLOW

AIR FLOW

UPFLOW, DOWNFLOW, HORIZONTAL LEFT OR RIGHT

AIR FLOW

AIR FLOW  UPFLOW

DOWNFLOW  AIR FLOW
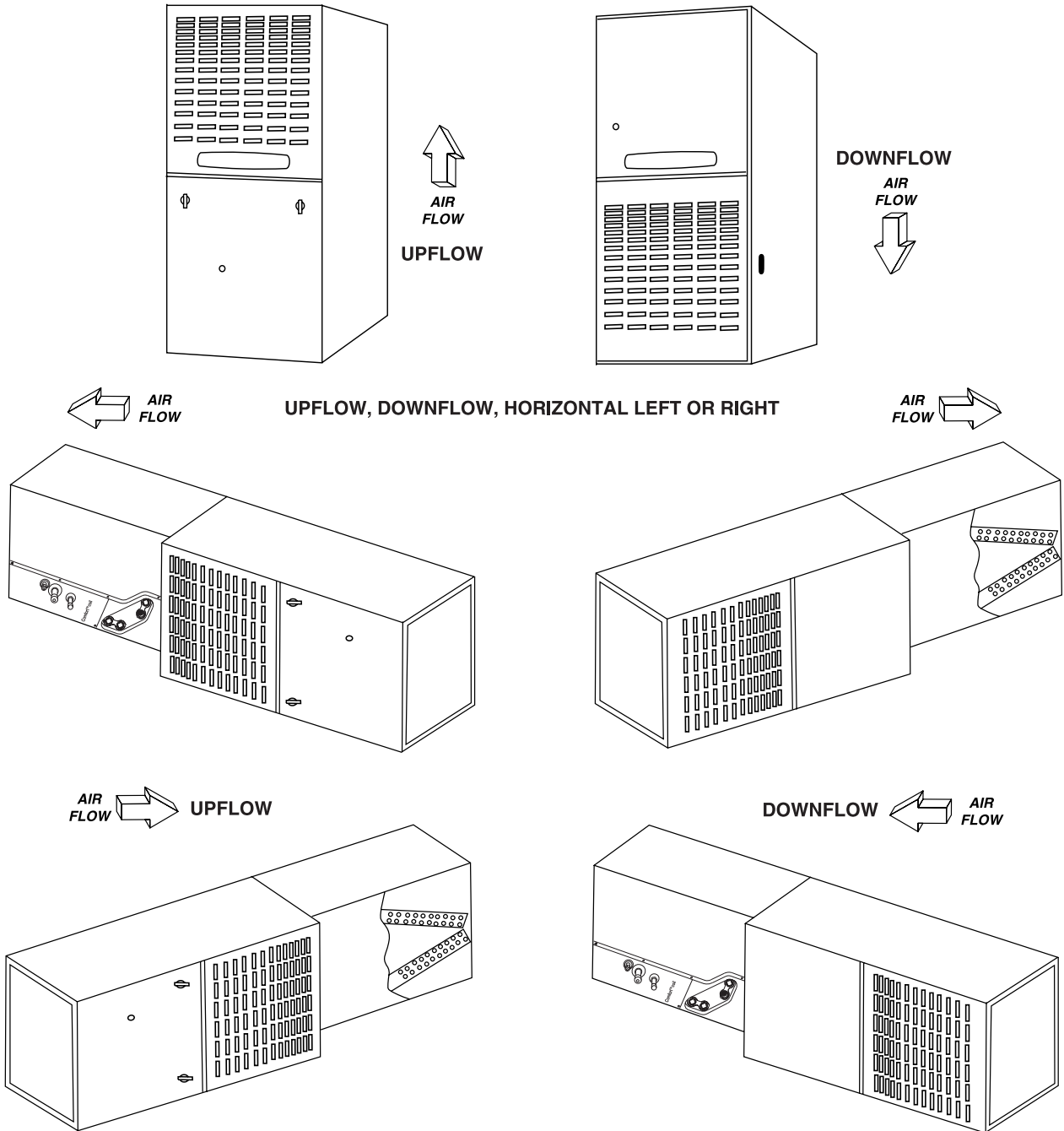
**Note:** The non-condensing, forty inch (40") height furnaces may be laid on either side for horizontal application. Connection brackets for coil/furnace alignment are included with the furnaces. The apex of the coil may point into or away from the airflow.

*Freedom 80 furnace with integrated AccuClean™ technology is upflow or upflow/horizontal application only.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

FUR-8

Effective 1/1/13
14-1011-29

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# Platinum SV – Communicating Two Stage ECM Variable Speed
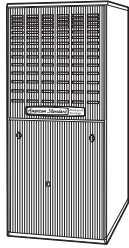


**Platinum SV**

### Table FUR-9-A — Upflow/Horizontal Left or Right Induced Draft Gas Furnace (115/1/60)①②

| Unit Model No. | Airflow In Tons | Output (Btuh) Stage 2 | Stage 1 | AFUE | Flue Size (in) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter Sizes |
|---|---|---|---|---|---|---|---|---|---|---|
| AUD2B060ACV32A | 3 | 48,000 | 31,200 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1$/$_2$ x 28 | 136 | 15 | 17 x 25 x 1 |
| AUD2B080ACV32A | 3 | 64,000 | 41,600 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1$/$_2$ x 28 | 142 | 15 | 17 x 25 x 1 |
| AUD2C080ACV42A | 4 | 64,000 | 41,600 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 166 | 20 | 17 x 25 x 1 |
| AUD2B100ACV32A | 3 | 80,000 | 52,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1$/$_2$ x 28 | 142 | 15 | 17 x 25 x 1 |
| AUD2C100ACV52A | 5 | 79,000 | 52,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 166 | 20 | 20 x 25 x 1 |
| AUD2D120ACV52A | 5 | 97,000 | 62,400 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1$/$_2$ x 28 | 193 | 20 | 24 x 25 x 1 |
| AUD2D140ACV52A | 5 | 111,00 | 72,800 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1$/$_2$ x 28 | 197 | 20 | 24 x 25 x 1 |

Note: Variable speed furnaces should not be twinned and are not approved for twinning applications.



**Platinum SV**

### Table FUR-9-B — Downflow/Horizontal Left or Right Induced Draft Gas Furnace (115/1/60)①②

| Unit Model No. | Airflow In Tons | Output (Btuh) Stage 2 | Stage 1 | AFUE | Flue Size (in) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter Sizes |
|---|---|---|---|---|---|---|---|---|---|---|
| ADD2B060ACV32A | 3 | 48,000 | 31,200 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1$/$_2$ x 28 | 140 | 15 | (2) 14 x 20 x 1 |
| ADD2B080ACV32A | 3 | 63,000 | 41,600 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1$/$_2$ x 28 | 146 | 15 | (2) 14 x 20 x 1 |
| ADD2C100ACV52A | 5 | 81,000 | 52,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 166 | 20 | (2) 16 x 20 x 1 |
| ADD2D120ACV52A | 5 | 95,000 | 62,400 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1$/$_2$ x 28 | 197 | 20 | (2) 16 x 20 x 1 |

Note: Variable speed furnaces should not be twinned and are not approved for twinning applications.
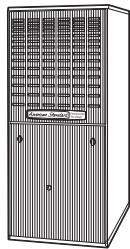① Must use ACONT900 or AZONE950 control in communicating mode.
② Field convertible to 24V non-communicating.
* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
** Filters are not shipped with furnace.

# Gold SV – Two Stage ECM Variable Speed



**Gold SV**

### Table FUR-9-C — Upflow/Horizontal Left or Right Induced Draft Gas Furnace (115/1/60) ②

| Unit Model No. | Airflow In Tons | Output (Btuh) Stage 2 | Stage 1 | AFUE | Flue Size (in) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter Sizes |
|---|---|---|---|---|---|---|---|---|---|---|
| AUD2B060A9V3VA | 3 | 48,000 | 31,200 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1$/$_2$ x 28 | 136 | 15 | 17 x 25 x 1 |
| AUD2B080A9V3VA | 3 | 64,000 | 41,600 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1$/$_2$ x 28 | 142 | 15 | 17 x 25 x 1 |
| AUD2C080A9V4VA | 4 | 64,000 | 41,600 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 166 | 20 | 17 x 25 x 1 |
| AUD2C080B9V4VA① | 4 | 64,000 | 41,600 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 166 | 20 | 17 x 25 x 1 |
| AUD2B100A9V3VA | 3 | 80,000 | 52,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1$/$_2$ x 28 | 142 | 15 | 17 x 25 x 1 |
| AUD2C100A9V5VA | 5 | 79,000 | 52,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 166 | 20 | 20 x 25 x 1 |
| AUD2C100B9V5VA① | 5 | 79,000 | 52,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 166 | 20 | 20 x 25 x 1 |
| AUD2D120A9V5VA | 5 | 97,000 | 62,400 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1$/$_2$ x 28 | 193 | 20 | 24 x 25 x 1 |
| AUD2D120B9V5VA① | 5 | 97,000 | 62,400 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1$/$_2$ x 28 | 193 | 20 | 24 x 25 x 1 |
| AUD2D140A9V5VA | 5 | 111,000 | 72,800 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1$/$_2$ x 28 | 197 | 20 | 24 x 25 x 1 |

① Model has high efficiency blower assembly.
② This furnace family uses a two speed draft inducer.
Note: Variable speed furnaces should not be twinned and are not approved for twinning applications.



**Gold SV**

### Table FUR-9-D — Downflow/Horizontal Left or Right Induced Draft Gas Furnace (115/1/60) ②

| Unit Model No. | Airflow In Tons | Output (Btuh) Stage 2 | Stage 1 | AFUE | Flue Size (in) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter Sizes |
|---|---|---|---|---|---|---|---|---|---|---|
| ADD2B060A9V3VA | 3 | 48,000 | 31,200 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1$/$_2$ x 28 | 140 | 15 | (2) 14 x 20 x 1 |
| ADD2B080A9V3VA | 3 | 63,000 | 41,600 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1$/$_2$ x 28 | 146 | 15 | (2) 14 x 20 x 1 |
| ADD2C100A9V5VA | 5 | 81,000 | 52,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 166 | 20 | (2) 16 x 20 x 1 |
| ADD2D120A9V5VA | 5 | 95,000 | 62,400 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1$/$_2$ x 28 | 197 | 20 | (2) 16 x 20 x 1 |

Note: Variable speed furnaces should not be twinned and are not approved for twinning applications.
* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
② This furnace family uses a two speed draft inducer.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

# American Standard
### HEATING & AIR CONDITIONING

# Gold SM – Two Stage

**Gold SM**

### Table FUR-10-A — Upflow/Horizontal, Left or Right Induced Draft Gas Furnace (115/1/60)

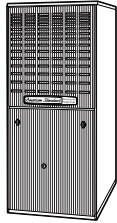| Unit Model No. | Airflow In Tons | Output (Btuh) Stage 2 | Stage 1 | AFUE | Flue Size (in) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter** Sizes |
|---|---|---|---|---|---|---|---|---|---|---|
| AUD2A040A9242A | 2 | 32,000 | 20,800 | 80.0 | 4 | Silicon Nitride | 40 x 14$^1/_2$ x 28 | 119 | 15 | 17 x 25 x 1 |
| AUD2A060A9362A | 3 | 47,000 | 31,200 | 80.0 | 4 | Silicon Nitride | 40 x 14$^1/_2$ x 28 | 127 | 15 | 17 x 25 x 1 |
| AUD2B060A9362A | 3 | 47,000 | 31,200 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 132 | 15 | 17 x 25 x 1 |
| AUD2B080A9362A | 3 | 63,000 | 41,600 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 142 | 15 | 17 x 25 x 1 |
| AUD2B080A9482A | 4 | 63,000 | 41,600 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 142 | 15 | 17 x 25 x 1 |
| AUD2B100A9362A | 3 | 79,000 | 52,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 151 | 15 | 17 x 25 x 1 |
| AUD2C100A9482A | 4 | 79,000 | 52,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 162 | 15 | 20 x 25 x 1 |
| AUD2C100A9602A | 5 | 80,000 | 52,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 162 | 20 | 20 x 25 x 1 |
| AUD2D100A9602A | 5 | 80,000 | 52,000 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1/_2$ x 28 | 175 | 20 | 24 x 25 x 1 |
| AUD2C120A9542A | 4.5 | 95,000 | 62,400 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 176 | 20 | 20 x 25 x 1 |
| AUD2D120A9602A | 5 | 95,000 | 62,400 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1/_2$ x 28 | 186 | 20 | 24 x 25 x 1 |
| AUD2D140A9602A | 5 | 112,000 | 72,800 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1/_2$ x 28 | 192 | 20 | 24 x 25 x 1 |
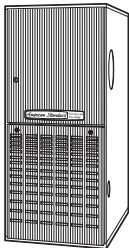
**Gold SM**

### Table FUR-10-B — Downflow/Horizontal Left or Right Induced Draft (115/1/60)

| Unit Model No. | Airflow In Tons | Output (Btuh) Stage 2 | Stage 1 | AFUE | Flue Size (in) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter** Sizes |
|---|---|---|---|---|---|---|---|---|---|---|
| ADD2A040A9242A | 2 | 32,000 | 20,800 | 80.0 | 4 | Silicon Nitride | 40 x 14$^1/_2$ x 28 | 125 | 15 | (2) 14 x 20 x 1 |
| ADD2A060A9362A | 3 | 47,000 | 31,200 | 80.0 | 4 | Silicon Nitride | 40 x 14$^1/_2$ x 28 | 135 | 15 | (2) 14 x 20 x 1 |
| ADD2B060A9362A | 3 | 48,000 | 31,200 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 140 | 15 | (2) 14 x 20 x 1 |
| ADD2B080A9362A | 3 | 64,000 | 41,600 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 152 | 15 | (2) 14 x 20 x 1 |
| ADD2B100A9482A | 4 | 79,000 | 52,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 157 | 15 | (2) 14 x 20 x 1 |
| ADD2C100A9482A | 4 | 79,000 | 52,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 166 | 15 | (2) 16 x 20 x 1 |
| ADD2C100A9602A | 5 | 79,000 | 52,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 168 | 20 | (2) 16 x 20 x 1 |
| ADD2D120A9602A | 5 | 94,000 | 62,400 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1/_2$ x 28 | 189 | 20 | (2) 16 x 20 x 1 |
| ADD2D140A9602A | 5 | 112,000 | 72,800 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1/_2$ x 28 | 196 | 20 | (2) 16 x 20 x 1 |

\* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

\** Filters are not shipped with furnace.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Silver XI – Single Stage with ECM Multi-Speed Motor

**Silver XI**

## Table FUR-11-A — Upflow Horizontal, Left or Right Induced Draft Gas Furnace (115/1/60)

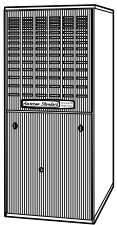| Unit Model No. | Airflow In Tons | Nominal Output (Btuh) | AFUE | Flue Size (in.) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter Sizes |
|---|---|---|---|---|---|---|---|---|---|
| AUD1A040A9H21B | 2 | 32,000 | 80.0 | 4 | Silicon Nitride | 40 x 14$^1/_2$ x 28 | 119 | 15 | 17 x 25 x 1 |
| AUD1B060A9H31B | 3 | 47,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 127 | 15 | 17 x 25 x 1 |
| AUD1B080A9H31B | 3 | 63,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 142 | 15 | 17 x 25 x 1 |
| AUD1C080A9H41B | 4 | 64,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 142 | 20 | 20 x 25 x 1 |
| AUD1B100A9H31B | 3 | 79,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 151 | 20 | 17 x 25 x 1 |
| AUD1C100A9H51B | 5 | 79,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 162 | 20 | 20 x 25 x 1 |
| AUD1D120A9H51B | 5 | 96,000 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1/_2$ x 28 | 186 | 20 | 24 x 25 x 1 |
| AUD1D140A9H51B | 5 | 111,000 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1/_2$ x 28 | 193 | 20 | 24 x 25 x 1 |
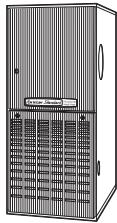
**Silver XI**

## Table FUR-11-B — Downflow Horizontal, Left or Right Induced Draft Gas Furnace (115/1/60)

| Unit Model No. | Airflow In Tons | Nominal Output (Btuh) | AFUE | Flue Size (in.) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter Sizes |
|---|---|---|---|---|---|---|---|---|---|
| ADD1B060A9H31B | 3 | 48,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 129 | 15 | (2) 14 x 20 x 1 |
| ADD1B080A9H31B | 3 | 64,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 146 | 15 | (2) 14 x 20 x 1 |
| ADD1C100A9H51B | 5 | 81,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 167 | 20 | (2) 16 x 20 x 1 |
| ADD1D120A9H51B | 5 | 96,000 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1/_2$ x 28 | 189 | 20 | (2) 16 x 20 x 1 |

Note: Silver XI furnaces have constant torque ECM motors

# Silver SI+ – Single Stage

**Silver SI+**

## Table FUR-11-C — Upflow/Horizontal Left or Right Induced Draft Gas Furnace (115/1/60)

| Unit Model No. | Airflow In Tons | Nominal Output (Btuh) | AFUE | Flue Size (in.) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter** Sizes |
|---|---|---|---|---|---|---|---|---|---|
| AUD1A040A9241A | 2 | 32,000 | 80.0 | 4 | Silicon Nitride | 40 x 14$^1/_2$ x 28 | 119 | 15 | 17 x 25 x 1 |
| AUD1A040A9301A | 2$^1/_2$ | 32,000 | 80.0 | 4 | Silicon Nitride | 40 x 14$^1/_2$ x 28 | 122 | 15 | 17 x 25 x 1 |
| AUD1A060A9241A | 2 | 47,000 | 80.0 | 4 | Silicon Nitride | 40 x 14$^1/_2$ x 28 | 124 | 15 | 17 x 25 x 1 |
| AUD1A060A9361A | 3 | 47,000 | 80.0 | 4 | Silicon Nitride | 40 x 14$^1/_2$ x 28 | 127 | 15 | 17 x 25 x 1 |
| AUD1B060A9361A | 3 | 47,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 132 | 15 | 17 x 25 x 1 |
| AUD1B080A9241A | 2 | 64,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 139 | 15 | 17 x 25 x 1 |
| AUD1B080A9361A | 3 | 63,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 142 | 15 | 17 x 25 x 1 |
| AUD1B080A9481A | 4 | 64,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 142 | 15 | 17 x 25 x 1 |
| AUD1C080A9601A | 5 | 64,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 154 | 20 | 20 x 25 x 1 |
| AUD1B100A9361A | 3 | 79,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 151 | 15 | 17 x 25 x 1 |
| AUD1B100A9451A | 4 | 80,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 153 | 15 | 17 x 25 x 1 |
| AUD1C100A9481A | 4 | 79,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 162 | 15 | 20 x 25 x 1 |
| AUD1C100A9601A | 5 | 79,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 162 | 20 | 20 x 25 x 1 |
| AUD1D100A9721A | 6 | 80,000 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1/_2$ x 28 | 175 | 20 | 24 x 25 x 1 |
| AUD1C120A9541A | 5 | 96,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 176 | 20 | 20 x 25 x 1 |
| AUD1D120A9601A | 5 | 96,000 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1/_2$ x 28 | 186 | 20 | 24 x 25 x 1 |
| AUD1D140A9601A | 5 | 111,000 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1/_2$ x 28 | 193 | 20 | 24 x 25 x 1 |

**Silver SI+**

## Table FUR-11-D — Downflow/Horizontal Left or Right Induced Draft Gas Furnace (115/1/60)

| Unit Model No. | Airflow In Tons | Nominal Output (Btuh) | AFUE | Flue Size (in.) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter** Sizes |
|---|---|---|---|---|---|---|---|---|---|
| ADD1A040A9241A | 2 | 31,000 | 78.0 | 4 | Silicon Nitride | 40 x 14$^1/_2$ x 28 | 119 | 15 | (2) 14 x 20 x 1 |
| ADD1A060A9241A | 2 | 48,000 | 80.0 | 4 | Silicon Nitride | 40 x 14$^1/_2$ x 28 | 129 | 15 | (2) 14 x 20 x 1 |
| ADD1A060A9361A | 3 | 48,000 | 80.0 | 4 | Silicon Nitride | 40 x 14$^1/_2$ x 28 | 129 | 15 | (2) 14 x 20 x 1 |
| ADD1B060A9361A | 3 | 48,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 134 | 15 | (2) 14 x 20 x 1 |
| ADD1B080A9361A | 3 | 64,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 146 | 15 | (2) 14 x 20 x 1 |
| ADD1B080A9451A | 4 | 64,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 146 | 15 | (2) 14 x 20 x 1 |
| ADD1B100A9451A | 4 | 80,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$^1/_2$ x 28 | 156 | 15 | (2) 14 x 20 x 1 |
| ADD1C100A9481A | 4 | 80,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 166 | 15 | (2) 16 x 20 x 1 |
| ADD1C100A9541A | 5 | 81,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 167 | 20 | (2) 16 x 20 x 1 |
| ADD1C120A9541A | 5 | 96,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 177 | 20 | (2) 16 x 20 x 1 |
| ADD1D120A9601A | 5 | 96,000 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1/_2$ x 28 | 189 | 20 | (2) 16 x 20 x 1 |
| ADD1D140A9601A | 5 | 113,000 | 80.0 | 4 | Silicon Nitride | 40 x 24$^1/_2$ x 28 | 196 | 20 | (2) 16 x 20 x 1 |

* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
** Filters are not shipped with furnace.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

FUR-11

Effective 1/1/13
14-1011-29

**Sliver SI**

# Silver SI – Single Stage

**Table FUR-12-A — Upflow/Horizontal Left or Right Induced Draft Gas Furnace (115/1/60)**
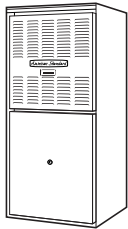
| Unit Model No. | Airflow In Tons | Nominal Output (Btuh) | AFUE | Flue Size (in.) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter** Sizes |
|---|---|---|---|---|---|---|---|---|---|
| AUE1A040A9241A | 2 | 31,000 | 80.0 | 4 | Silicon Nitride | 40 x 14$\frac{1}{2}$ x 28 | 119 | 15 | 16 x 25 x 1 |
| AUE1A060A9241A | 2 | 47,000 | 80.0 | 4 | Silicon Nitride | 40 x 14$\frac{1}{2}$ x 28 | 124 | 15 | 16 x 25 x 1 |
| AUE1A060A9361A | 3 | 47,000 | 80.0 | 4 | Silicon Nitride | 40 x 14$\frac{1}{2}$ x 28 | 127 | 15 | 16 x 25 x 1 |
| AUE1B060A9361A | 3 | 47,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$\frac{1}{2}$ x 28 | 132 | 15 | 17 x 25 x 1 |
| AUE1B080A9361A | 3 | 63,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$\frac{1}{2}$ x 28 | 142 | 15 | 17 x 25 x 1 |
| AUE1B080A9481A | 4 | 64,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$\frac{1}{2}$ x 28 | 142 | 15 | 17 x 25 x 1 |
| AUE1B100A9361A | 3 | 79,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$\frac{1}{2}$ x 28 | 151 | 15 | 17 x 25 x 1 |
| AUE1C100A9481A | 4 | 79,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 162 | 15 | 20 x 25 x 1 |
| AUE1C100A9601A | 5 | 79,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 162 | 20 | 20 x 25 x 1 |
| AUE1D120A9601A | 5 | 96,000 | 80.0 | 4 | Silicon Nitride | 40 x 24$\frac{1}{2}$ x 28 | 186 | 20 | 24 x 25 x 1 |
| AUE1D140A9601A | 5 | 111,000 | 80.0 | 4 | Silicon Nitride | 40 x 24$\frac{1}{2}$ x 28 | 193 | 20 | 24 x 25 x 1 |

**Table FUR-12-B — Downflow/Horizontal Left or Right Induced Draft Gas Furnace (115/1/60)**

| Unit Model No. | Airflow In Tons | Nominal Output (Btuh) | AFUE | Flue Size (in.) | Ignition Device | Uncrated Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Max Fuse* | Filter** Sizes |
|---|---|---|---|---|---|---|---|---|---|
| ADE1A060A9361A | 3 | 48,000 | 80.0 | 4 | Silicon Nitride | 40 x 14$\frac{1}{2}$ x 28 | 129 | 15 | (2) 14 x 20 x 1 |
| ADE1B060A9361A | 3 | 48,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$\frac{1}{2}$ x 28 | 134 | 15 | (2) 14 x 20 x 1 |
| ADE1B080A9451A | 4 | 64,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$\frac{1}{2}$ x 28 | 146 | 15 | (2) 14 x 20 x 1 |
| ADE1B100A9451A | 4 | 80,000 | 80.0 | 4 | Silicon Nitride | 40 x 17$\frac{1}{2}$ x 28 | 156 | 15 | (2) 14 x 20 x 1 |
| ADE1C100A9601A | 5 | 81,000 | 80.0 | 4 | Silicon Nitride | 40 x 21 x 28 | 167 | 20 | (2) 16 x 20 x 1 |
| ADE1D120A9601A | 5 | 96,000 | 80.0 | 4 | Silicon Nitride | 40 x 24$\frac{1}{2}$ x 28 | 189 | 20 | (2) 16 x 20 x 1 |

\* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

\*\* Filters are not shipped with furnace.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

FUR-12

Effective 1/1/13
14-1011-29

# American Standard®
### HEATING & AIR CONDITIONING

# Platinum SV, Gold SV, Gold SM, Silver XI, Silver SI+, and Silver SI Convertible Gas Furnaces

| Table FUR-13-A — Features | AUD2-ACV/ ADD2-ACV 2 Stage 1 or 2 Pipe ③ | AUD2-9V/ ADD2-9V 2 Stage ③ | AUD2/ ADD2 2 Stage | AUD1-H/ ADD1-H 1 Stage High Efficiency | AUD1/ ADD1 1 Stage | AUE1/ ADE1 1 Stage |
|---|---|---|---|---|---|---|
| • **Comfort-R™** enhanced mode (cooling) | ✔ | ✔ | — | — | — | — |
| • **AccuLink™** system | ✔ | — | — | — | — | — |
| • Can be connected in communicating or 24V non-communicating modes | ✔ | — | — | — | — | — |
| • User interface for system configuration - Easy to use navigation buttons and plain text for clear description of features | ✔ | — | — | — | — | — |
| • Adjustable heating fan off timing | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Alternate bottom/left/right return air (upflow models only) | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Attractive color accents | ✔ | ✔ | ✔ | ✔ | ✔ | — |
| • Blower door safety switch | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Bottom Panel (upflow models only) | ✔ | ✔ | ✔ | ✔ | ✔ | — |
| • Cleanable/reusable high velocity filters | ✔ | ✔ | — | ✔ | — | — |
| • Common vent capability | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Complete front service access | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Direct drive, multi-speed (PSC) blower motor | — | — | ✔ | — | ✔ | ✔ |
| • Direct drive, multi-speed ECM blower motor (high efficiency)* | — | — | — | ✔ | — | — |
| • Direct drive, variable speed ECM blower motor** | ✔ | ✔ | — | — | — | — |
| • Gasketed blower door | ✔ | ✔ | ✔ | ✔ | ✔ | — |
| • Heavy gauge reinforced wrap-around steel cabinet | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Horizontal left/right without conversion required | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Humidifier/EAC hook-up capability | ✔ | ✔ | ✔ | ✔ | ✔ | — |
| • Inner blower door panel (downflow models only) | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Insulated blower compartment 4 sides (upflow models only) | ✔ | ✔ | ✔ | ✔ | ✔ | — |
| • Integrated solid state control w/self diagnostics | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Left/right gas connection | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Manual reset flame roll out switches | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Masonry Chimney Venting w/BAYVENT800B | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Multi-port in shot burners | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Painted cabinet single color | — | — | — | — | — | ✔ |
| • Perfect fit door latches (upflow models only) | ✔ | ✔ | ✔ | ✔ | ✔ | — |
| • Right or left hand side knock out for venting (downflow models only) | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Selectable cooling fan off delay eliminates need for time delay relay BAY24X045 | ④ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Service diagnostic capabilities | ✔ | ✔ | ✔ | ✔ | ✔ | — |
| • Service diagnostics with faults reported at the user interface | ✔ | — | — | — | — | — |
| • Side return starter tabs (upflow models only) | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Silicon Nitride hot surface igniter with adaptive heat up | ✔ | — | — | ✔ | ✔ | — |
| • Single door filter access | ✔ | ✔ | ✔ | ✔ | ✔ | — |
| • Single wire twinning | — | — | ✔ | ✔ | ✔ | — |
| • Slide out blower assembly | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • 3-way vent option on downflow models (top,right or left) (downflow models only) | — | ✔ | ✔ | ✔ | ✔ | ✔ |
| • 20 gauge aluminized steel heat exchanger | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |
| • 24 volt secondary fuse | — | ✔ | ✔ | ✔ | ✔ | ✔ |
| • Multiple heating blower speeds | ✔ | ✔ | ✔ | — | — | — |
| • Two speed venter motor | ✔ | ✔ | ✔ | — | — | — |
| • Two tone color | ✔ | ✔ | ✔ | ✔ | ✔ | — |
| • Two-stage gas valve | ✔ | ✔ | ✔ | — | — | — |
| • **Registered limited lifetime heat exchanger warranty and 10-year on all other functional parts (Residential Use)②** | ✔ | ✔ | — | — | — | — |
| • **Registered 20-year heat exchanger limited warranty and 10-year on all other functional parts (Residential Use)** | — | — | ✔ | ✔ | ✔ | ✔ |
| • **Optional extended warranties available** | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |

① Freedom 80 furnace with integrated AccuClean™ technology is upflow or upflow/horizontal application only.
② Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.
③ Variable Speed
④ Selectable through thermostat
Note: Variable speed furnaces should not be twinned and are not approved for twinning applications.
*Constant torque ECM (electronically commutated motor).
**Constant airflow ECM (electronically commutated motor).

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

# Platinum SV, Gold SV, Gold SM, Silver XI, Silver SI+, and Silver SI Convertible Gas Furnaces

## Table FUR-14-A — Optional Accessories

| Model Number | Description | Shipping Weight | AUD2-ACV/ADD2-ACV 2 Stage Variable Speed | AUD2-9V/ ADD2-9V 2-Stg. Variable Speed |
|---|---|---|:---:|:---:|
| BAYBASE205 | Downflow subbase for downflow models only | 8 | ✔ | ✔ |
| BAYFLTR200 | Side Filter Rack (External) | 5 | ✔ | ✔ |
| BAYFLTR203 | Filter kit horiz conversion for 17.5" cabinet | 3 | ✔ | ✔ |
| BAYFLTR204 | Filter kit horiz conversion for 21" cabinet | 3 | ✔ | ✔ |
| BAYFLTR205 | Filter kit horiz conversion or 24.5" cabinet | 3 | ✔ | ✔ |
| BAYFLTR206 | Filter Access Door Kit | 2 | ✔ | ✔ |
| BAYFLTR321① | Cleanable filter for 21" cabinet upflow only | 2 | ✔ | ✔ |
| BAYFLTR324① | Cleanable filter for 24.5" cabinet upflow only | 2 | ✔ | ✔ |
| BAYLPKT210B | Propane conversion kit | 1 | ✔ | ✔ |
| BAYLPSS210B | LP Kit with Stainless Steel Burners | 1 | ✔ | ✔ |
| BAYRACK960A② | Filter Rack Kit for upflow models only (internal) | 5 | ✔ | ✔ |
| BAYVENT800B | Masonry chimney vent kit | 2 | ✔ | ✔ |

① Contains one (1) high velocity filter.
② Internal filter rack for side or bottom return air. Includes 17 x 25" cleanable filter for use in side return applications. Bottom return applications require different sizes of filters which are not included. Airflow requirements over 1800 CFM require filters on both sides or a side and bottom or bottom only.
③ Freedom 80 furnace with integrated AccuClean™ technology is upflow or upflow/horizontal application only.
Note: Variable speed furnaces should not be twinned and are not approved for twinning applications.

## Table FUR-14-B — Optional Accessories

| Model Number | Description | Shipping Weight | AUD2/ADD2 2 Stage | AUD1-H/ADD1-H 1 Stage High Efficiency | AUD1/ADD1 1 Stage | AUE1/ADE1 1 Stage |
|---|---|---|:---:|:---:|:---:|:---:|
| BAYBASE205 | Downflow subbase for downflow models only | 8 | ✔ | ✔ | ✔ | ✔ |
| BAYFLTR200 | Side Filter Rack (External) | 5 | ✔ | ✔ | ✔ | — |
| BAYFLTR203 | Filter kit horiz conversion for 17.5" cabinet | 3 | ✔ | ✔ | ✔ | ✔ |
| BAYFLTR204 | Filter kit horiz conversion for 21" cabinet | 3 | ✔ | ✔ | ✔ | ✔ |
| BAYFLTR205 | Filter kit horiz conversion or 24.5" cabinet | 3 | ✔ | ✔ | ✔ | ✔ |
| BAYFLTR206 | Filter Access Door Kit | 2 | ✔ | ✔ | ✔ | ✔ |
| BAYFLTR317① | Cleanable filter for 14.5" and 17.5" cabinet upflow only | 2 | ✔ | ✔ | ✔ | ✔ |
| BAYFLTR321① | Cleanable filter for 21" cabinet upflow only | 2 | ✔ | ✔ | ✔ | ✔ |
| BAYFLTR324① | Cleanable filter for 24.5" cabinet upflow only | 2 | ✔ | ✔ | ✔ | ✔ |
| BAYLPKT210B | Propane conversion kit | 1 | ✔ | ✔ | ✔ | ✔ |
| BAYLPSS210B | LP Kit with Stainless Steel Burners | 1 | ✔ | ✔ | ✔ | ✔ |
| BAYRACK960A② | Filter Rack Kit for upflow models only (internal) | 5 | ✔ | ✔ | ✔ | ✔ |
| BAYVENT800B | Masonry chimney vent kit | 2 | ✔ | ✔ | ✔ | ✔ |

① Contains one (1) high velocity filter.
② Internal filter rack for side or bottom return air. Includes 17 x 25" cleanable filter for use in side return applications. Bottom return applications require different sizes of filters which are not included. Airflow requirements over 1800 CFM require filters on both sides or a side and bottom or bottom only.
Note: Variable speed furnaces should not be twinned and are not approved for twinning applications.

# Special Use Furnace Accessories
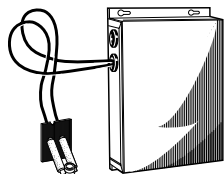


Bonnet Switch    TAYPLUS103A

## Table FUR-14-C — High Altitude Pressure Switch 80%

| Model Number | Description | Used With | Shipping Weight |
|---|---|---|---|
| BAYHALT248 | 1 Switch | AUD1,ADD1,AUE1,ADE1 | 2 |
| BAYHALT249 | 1 Switch | AUD-R-K,ADD-R-F,AUD2,ADD2 | 2 |

## Table FUR-14-D — Dual Fuel Heat Pump Control Kit①②

| Model Number | Case Height | Used With |
|---|---|---|
| TAYPLUS103A | Heat Pump Control Kit | Gas, LP., Oil and Electric Furnaces |
| TAYSTAT250B | Outdoor Thermostat | TAYPLUS103A for Restricted Mode |

① Factory wired for non-restricted mode, can be wired for restricted mode.
② Applicable for all furnaces with 35 VA or larger low voltage transformer (separate high voltage power not required).

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

FUR-14

Effective 1/1/13
14-1011-29

## American Standard

HEATING & AIR CONDITIONING

# Platinum XV Variable Speed High Efficiency Oil Furnaces
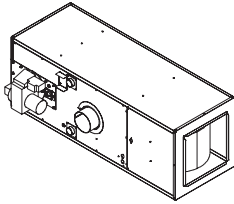
**TDF -Downflow/Horizontal**

**TLF -Lowboy Front Flue**
(TLR not shown)

**THV -Highboy Vertical**

- Up to 85% Annual Fuel Utilization Efficiency (AFUE)
- 13 gauge hot rolled steel wrap around heat exchanger for durability
- Beckett Flame Retention Burner operates cleanly and quietly
- Burner features include primary control with interrupted ignition for reliability, pre-purge and clean cutoff solenoid valve for smooth ignition
- Burner and controls factory wired
- Dual clean out ports for quick access and easy cleaning
- Insulated blower compartment
- Variable speed blower motor
- Slide out blower assembly for quick cleaning and service accessibility
- Filter rack with cleanable filter (Highboy & Lowboy Models only)
- Preformed ceramic fiber combustion chamber for higher efficiencies and more complete combustion

- 40 VA control transformer for add on cooling
- Heavy gauge, powder painted steel cabinet
- Recessed door handles for easy removal of Highboy & lowboy Furnace doors
- Lowboy models available with front or rear flue option
- Highboy models with top or right side venting
- Downflow/Horizontal model field convertible from Downflow to right or left horizontal
- 6" Left and Right side fresh air knockouts – (Highboy and Lowboy Models only)
- Barometric draft regulator included
- **Registered limited lifetime heat exchanger warranty and 10-year on all other functional parts (Residential Use)③**
- **Optional extended warranties available**

## Table FUR-15-A — Specifications:

| Model Number | Airflow In Tons (Nom.) | Nominal Cap-BTUH *Htg Output | ICS AFUE | Flue Size | Uncrated Dimensions(In.) | | | Shipping Weight |
|---|---|---|---|---|---|---|---|---|
| | | | | | H | W | D | |
| THV1M087A9V3SA | 3 | 87,000 | 82.9 | 6" | 58 | 22.25 | 31 | 260 |
| THV1M087A9V5SA | 5 | 87,000 | 82.6 | 6" | 58 | 22.25 | 31 | 260 |
| TLF1M087A9V3SA | 3 | 87,000 | 82.9 | 6" | 41.5 | 22.25 | 47 | 300 |
| TLF1M087A9V5SA | 5 | 87,000 | 82.7 | 6" | 41.5 | 22.25 | 47 | 300 |
| TLR1M087A9V3SA | 3 | 87,000 | 85.0** | 6" | 41.5 | 22.25 | 47 | 300 |
| TLR1M087A9V5SA | 5 | 87,000 | 82.4 | 6" | 41.5 | 22.25 | 47 | 300 |
| TDF1M087A9V3SA | 3 | 87,000 | 84.8 | 6" | 22.25 | 61.25 | 22.25 | 280 |
| TDF1M087A9V5SA | 5 | 87,000 | 82.6 | 6" | 22.25 | 61.25 | 22.25 | 280 |

\* Other input/output capacities are available by changing the burner nozzle. See installer's guide for details.
\*\* Energy Star.

## Table FUR-15-B — Accessories:

| Model | Description | Used With | Shipping Weight |
|---|---|---|---|
| BAYSUB10ABASEA | Downflow Subbase | TDF1M087A9V3, 9V5SAA | 22 |
| BAYTRM10AVENTA | Top Panel & Trim Ring | THV1M087A9V3, 9V5SAA | 1 |

## Table FUR-15-C — Dual Fuel Heat Pump Control Kit①②

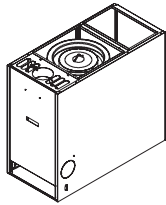| Model Number | Case Height | Used With |
|---|---|---|
| TAYPLUS103A | Heat Pump Control Kit | Gas, LP., Oil and Electric Furnaces |
| TAYSTAT250B | Outdoor Thermostat | TAYPLUS103A for Restricted Mode |
| THT1248 | Bonnet Switch | Oil Furnaces Only (Order Separately) |

① Factory wired for non-restricted mode, can be wired for restricted mode.
② Applicable for all furnaces with 35 VA or larger low voltage transformer (separate high voltage power not required).
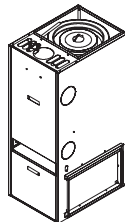③ Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

*American Standard*®
HEATING & AIR CONDITIONING

# Silver SI
# High Efficiency Oil Furnaces
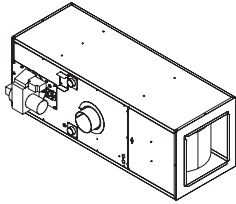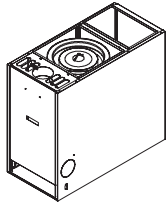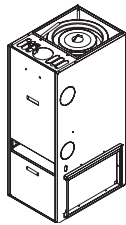


**TDF -Downflow/Horizontal**



**TLF -Lowboy Front Flue**
(TLR not shown)



**THV -Highboy Vertical**

- Up to 85% Annual Fuel Utilization Efficiency (AFUE)
- 13 gauge hot rolled steel wrap around heat exchanger for durability
- Beckett Flame Retention Burner operates cleanly and quietly
- Burner features include primary control with interrupted ignition for reliability, pre-purge and clean cutoff solenoid valve for smooth ignition
- Burner and controls factory wired
- Dual clean out ports for quick access and easy cleaning
- Direct drive, permanently lubricated, 4 speed blower motor
- Insulated blower compartment
- Slide out blower assembly for quick cleaning and service accessibility
- Filter rack with washable filter (Highboy & Lowboy Models only)
- Preformed ceramic fiber combustion chamber for higher efficiencies and more complete combustion

- 40 VA control transformer for add on cooling
- Heavy gauge, powder painted steel cabinet
- Recessed door handles for easy removal of Highboy & lowboy Furnace doors
- Lowboy models available with front or rear flue option
- Highboy models with top or right side venting
- Downflow/Horizontal model field convertible from Downflow to right or left horizontal
- 6" Left and Right side fresh air knockouts – (Highboy and Lowboy Models only)
- Barometric draft regulator included
- **Registered limited lifetime heat exchanger warranty and 10-year on all other functional parts (Residential Use)③**
- **Optional extended warranties available**

**Table FUR-16-A — Specifications:**

| Model Number | Airflow In Tons (Nom.) | Nominal Cap-BTUH *Htg Output | ICS AFUE | Flue Size | Uncrated Dimensions(In.) | | | Shipping Weight |
|---|---|---|---|---|---|---|---|---|
| | | | | | H | W | D | |
| THV1M087A936SA | 3 | 87,000 | 82.9 | 6" | 58 | 22.25 | 31 | 260 |
| THV1M087A948SA | 4 | 87,000 | 82.6 | 6" | 58 | 22.25 | 31 | 260 |
| TLF1M087A936SA | 3 | 87,000 | 82.9 | 6" | 41.5 | 22.25 | 47 | 300 |
| TLF1M087A948SA | 4 | 87,000 | 82.7 | 6" | 41.5 | 22.25 | 47 | 300 |
| TLR1M087A936SA | 3 | 87,000 | 85.0** | 6" | 41.5 | 22.25 | 47 | 300 |
| TLR1M087A948SA | 4 | 87,000 | 82.4 | 6" | 41.5 | 22.25 | 47 | 300 |
| TDF1M087A936SA | 3 | 87,000 | 84.8 | 6" | 22.25 | 61.25 | 22.25 | 280 |
| TDF1M087A948SA | 4 | 87,000 | 82.6 | 6" | 22.25 | 61.25 | 22.25 | 280 |

* Other input/output capacities are available by changing the burner nozzle. See installer's guide for details.
** Energy Star.

**Table FUR-16-B — Accessories:**

| Model | Description | Used With | Shipping Weight |
|---|---|---|---|
| BAYSUB10ABASEA | Downflow Subbase | TDF1M087A936, 948SAA | 22 |
| BAYTRM10AVENTA | Top Panel & Trim Ring | THV1M087A936, 948SAA | 1 |

**Table FUR-16-C — Dual Fuel Heat Pump Control Kit①②**

| Model Number | Case Height | Used With |
|---|---|---|
| TAYPLUS103A | Heat Pump Control Kit | Gas, LP, Oil and Electric Furnaces |
| TAYSTAT250B | Outdoor Thermostat | TAYPLUS103A for Restricted Mode |
| THT1248 | Bonnet Switch | Oil Furnaces Only (Order Separately) |

① Factory wired for non-restricted mode, can be wired for restricted mode.
② Applicable for all furnaces with 35 VA or larger low voltage transformer (separate high voltage power not required).
③ Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

FUR-16

Effective 1/1/13
14-1011-29

# American Standard

### HEATING & AIR CONDITIONING

# AccuClean™ Whole Home Air Cleaner



**AccuClean™ Whole Home Air Cleaner:**
- **AccuClean™** removes up to 99.98% of allergens from the filtered air
- Removes particles down to .1 micron in size
- Outperforms HEPA, and up to 100 times more effective than a standard 1" filter
- Constructed of heavy 18 gage metal to protect the filter and internal electronics
- Power door provides easy access to internal components and features a filter status display as well as safety interlocks that automatically shut down the power when the door is opened for maintenance or cleaning

- Designed for flush fit on both sides and rear of equipment cabinet
- No transitions required on **AccuClean™** applications
- Gaskets included with the air cleaner
- **AccuLink™** communicating or 24 volt capability
- **Base Limited Warranty 5-years**
- **Registered Limited Warranty 10-years**

### Table IAQ-1-A – Air Handler – 24 Volt AccuClean™ Whole Home Air Cleaner

| Model Number | Airflow Range | AccuClean™ Air Handler Width | Uncrated Dimensions(in.) H x W x D | Shipping Weight |
|---|---|---|---|---|
| AFD175CLAH000D | 300-1200 | $17^1/_2$ inch | $7^1/_2$ x $17^1/_2$ x 21 | 37 |
| AFD215CLAH000D | 300-1200 | $21^1/_2$ inch | $7^1/_2$ x $21^1/_2$ x 21 | 42 |
| AFD235CLAH000D | 350-1600 | $23^1/_2$ inch | $7^1/_2$ x $23^1/_2$ x 21 | 44 |
| AFD260CLAH000D | 400-2000 | 26 inch | $7^1/_2$ x 26 x 21 | 46 |

### Table IAQ-1-B – Upflow / Side Return Furnace – 24 Volt AccuClean™ Whole Home

| Model Number | Airflow Range | AccuClean™ Furnace Width | Uncrated Dimensions(in.) H x W x D | Shipping Weight |
|---|---|---|---|---|
| AFD145CLFR000D | 300-1200 | $14^1/_2$ inch① | $7^1/_2$ x $14^1/_2$ x 27 | 39 |
| AFD175CLFR000D | 300-1600 | $17^1/_2$ inch① | $7^1/_2$ x $17^1/_2$ x 27 | 43 |
| AFD210CLFR000D | 300-2000 | 21 inch② | $7^1/_2$ x 21 x 27 | 47 |
| AFD245CLFR000D | 400-2000 | $24^1/_2$ inch② | $7^1/_2$ x $24^1/_2$ x 27 | 49 |

### Table IAQ-1-C – Downflow Furnace – 24 Volt AccuClean™ Whole Home

| Model Number | Airflow Range | AccuClean™ Furnace Width | Uncrated Dimensions(in.) H x W x D | Shipping Weight |
|---|---|---|---|---|
| AFD14DCLFR000D | 300-1200 | $14^1/_2$ inch | $7^1/_2$ x $14^1/_2$ x 21 | 33 |
| AFD17DCLFR000D | 300-1600 | $17^1/_2$ inch | $7^1/_2$ x $17^1/_2$ x 21 | 37 |
| AFD21DCLFR000D | 300-2000 | 21 inch | $7^1/_2$ x 21 x 21 | 41 |
| AFD24DCLFR000D | 400-2000 | $24^1/_2$ inch | $7^1/_2$ x $24^1/_2$ x 21 | 45 |

### Table IAQ-1-D — Accessories – AccuClean™ Whole Home

| Model Number | Description | Used With | Shipping Weight |
|---|---|---|---|
| BAYTRANS12024 | 120 to 24 Volt Transformer | All AFD Air Cleaners | 6 |

① Side return no transition required.
② Side return transition required.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

IAQ-1

Effective 1/1/13
14-1011-29

# American Standard
HEATING & AIR CONDITIONING

# Perfect Fit™ Media Filters
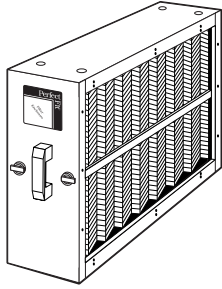


- Four sizes to flush fit bottom of American Standard furnaces
- TFP175, TFM175 (17½") bottom return model can be used for a **Perfect Fit™** side return on all furnace models
- Air Cleaners designed for flush fit on both sides and rear of equipment cabinet
- All service and access is from the front of the air cleaner
- **Air-Tite™** Door construction eliminates air leaks, improves air quality and keeps operating costs low
- Gaskets included with the air cleaner

**Table IAQ-2-A– Air Handler Perfect Fit™ High Efficiency Air Cleaner With Five (5) Inch Expandable Media Filter**

| Model Number | Airflow Range | Perfect Fit™ Air Handler Width | Uncrated Dimensions(in.) H x W x D | Shipping Weight | Return Air Opening[3] |
|---|---|---|---|---|---|
| TFM215**B**0AH0 | 300-1400 | $21^1/_2$ inch | $7^1/_2$ x $21^1/_2$ x 21 | 22 | $18^7/_8$ x$18^7/_8$ |
| TFM235**B**0AH0 | 300-1700 | $23^1/_2$ inch | $7^1/_2$ x $23^1/_2$ x 21 | 24 | $20^7/_8$ x$18^7/_8$ |
| TFM260**B**0AH0 | 400-2100 | 26 inch | $7^1/_2$ x 26 x 21 | 25 | $23^7/_8$ x$18^7/_8$ |

**Table IAQ-2-B – Furnace Perfect Fit™ High Efficiency Air Cleaner With Five (5) Inch Expandable Media Filter**

| Model Number | Airflow Range | Perfect Fit™ Furnace Width | Uncrated Dimensions(in.) H x W x D | Shipping Weight | Return Air Opening[3] |
|---|---|---|---|---|---|
| TFM145**B**0FR0 | 300-1200 | $14^1/_2$ inch[1] | $7^1/_2$ x$14^1/_2$ x 27 | 18 | $11^7/_8$ x$24^{13}/_{16}$ |
| TFM175**B**0FR0 | 300-1500 | $17^1/_2$ inch[1] | $7^1/_2$ x $17^1/_2$ x 27 | 21 | $14^7/_8$ x$24^{13}/_{16}$ |
| TFM210**B**0FR0 | 300-2000 | 21 inch[2] | $7^1/_2$ x 21 x 27 | 24 | $18^3/_8$ x$24^{13}/_{16}$ |
| TFM245**B**0FR0 | 400-2000 | $24^1/_2$ inch[2] | $7^1/_2$ x $24^1/_2$ x 27 | 27 | $21^7/_8$ x$24^{13}/_{16}$ |

**Table IAQ-2-C – Downflow Furnace Perfect Fit™ High Efficiency Air Cleaner With Five (5) Inch Expandable Media Filter**

| Model Number | Airflow Range | Perfect Fit™ Furnace Width | Uncrated Dimensions(in.) H x W x D | Shipping Weight | Return Air Opening[3] |
|---|---|---|---|---|---|
| TFM14**D**A0FR0 | 300-1200 | $14^1/_2$ inch | $7^1/_2$ x$14^1/_2$ x 21 | 17 | $11^7/_8$ x$18^7/_8$ |
| TFM17**D**A0FR0 | 300-1500 | $17^1/_2$ inch | $7^1/_2$ x $17^1/_2$ x 21 | 19 | $14^7/_8$ x$18^7/_8$ |
| TFM21**D**A0FR0 | 300-2000 | 21 inch | $7^1/_2$ x 21 x 21 | 22 | $18^3/_8$ x$18^7/_8$ |
| TFM24**D**A0FR0 | 400-2000 | $24^1/_2$ inch | $7^1/_2$ x $24^1/_2$ x 21 | 24 | $21^7/_8$ x$18^7/_8$ |

**Table IAQ-2-D – Air Handler Perfect Fit™ Medium Efficiency Air Cleaner With One (1) Inch Pleated Filter**

| Model Number | Airflow Range | Perfect Fit™ Air Handler Width | Uncrated Dimensions(in.) H x W x D | Shipping Weight | Return Air Opening[3] |
|---|---|---|---|---|---|
| TFP215A0AH1 | 300-1200 | $21^1/_2$ inch | $7^1/_2$ x $21^1/_2$ x 21 | 20 | $18^7/_8$ x$18^7/_8$ |
| TFP235A0AH1 | 300-1500 | $23^1/_2$ inch | $7^1/_2$ x $23^1/_2$ x 21 | 22 | $20^7/_8$ x$18^7/_8$ |
| TFP260A0AH1 | 400-1800 | 26 inch | $7^1/_2$ x 26 x 21 | 24 | $23^7/_8$ x$18^7/_8$ |

**Table IAQ-2-E – Furnace Perfect Fit™ Medium Efficiency Air Cleaner With One (1) Inch Pleated Filter**

| Model Number | Airflow Range | Perfect Fit™ Furnace Width | Uncrated Dimensions(in.) H x W x D | Shipping Weight | Return Air Opening[3] |
|---|---|---|---|---|---|
| TFP145A0FR1 | 300-1200 | $14^1/_2$ inch[1] | $7^1/_2$ x$14^1/_2$ x 27 | 17 | $11^7/_8$ x$24^{13}/_{16}$ |
| TFP175A0FR1 | 300-1500 | $17^1/_2$ inch[1] | $7^1/_2$ x $17^1/_2$ x 27 | 19 | $14^7/_8$ x$24^{13}/_{16}$ |
| TFP210A0FR1 | 400-1800 | 21 inch[2] | $7^1/_2$ x 21 x 27 | 22 | $18^3/_8$ x$24^{13}/_{16}$ |
| TFP245A0FR1 | 400-2000 | $24^1/_2$ inch[2] | $7^1/_2$ x $24^1/_2$ x 27 | 25 | $21^7/_8$ x$24^{13}/_{16}$ |

[1] Side return no transition required.
[2] Side return transition required.
[3] Actual opening does not include flange.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

IAQ-2

Effective 1/1/13
14-1011-29

# Perfect Fit™ Filter Accessories

**Indoor Air Quality**

## Table IAQ-3-A — Furnace Enclosure Filters

| Model Number | Description | Qty | Enclosure Used with | Shipping Weight |
|---|---|---|---|---|
| BAYFTFR14P4 | 1" Pleated Filter | 4 / Box | 14 $^1/_2$ | 3 |
| BAYFTFR17P4 | 1" Pleated Filter | 4 / Box | 17 $^1/_2$ | 3 |
| BAYFTFR21P4 | 1" Pleated Filter | 4 / Box | 21 | 3 |
| BAYFTFR24P4 | 1" Pleated Filter | 4 / Box | 24 $^1/_2$ | 3 |
| BAYFTFR14W1A | 1" Washable Filter | 6-2pk / Boxes | 14 $^1/_2$ | 1 $^1/_2$ |
| BAYFTFR17W1A | 1" Washable Filter | 6-2pk / Boxes | 17 $^1/_2$ | 1 $^1/_2$ |
| BAYFTFR21W1A | 1" Washable Filter | 6-2pk / Boxes | 21 | 1 $^1/_5$ |
| BAYFTFR24W1A | 1" Washable Filter | 6-2pk / Boxes | 24 $^1/_2$ | 1 $^1/_2$ |
| BAYFTFR14M2 | 5" Media Filter | 2 / Box | 14 $^1/_2$ | 5 |
| BAYFTFR17M2 | 5" Media Filter | 2 / Box | 17 $^1/_2$ | 5 |
| BAYFTFR21M2 | 5" Media Filter | 2 / Box | 21 | 5 |
| BAYFTFR24M2 | 5" Media Filter | 2 / Box | 24 $^1/_2$ | 6 |
| BAYFTFREXM2 | Expandable 5" Cartridge Media Filter | 2 / Box | 14 $^1/_2$-24 $^1/_2$ | 5 |

## Table IAQ-3-B —  Air Handler Enclosure Filters

| Model Number | Description | Qty | Enclosure Used with | Shipping Weight |
|---|---|---|---|---|
| BAYFTAH21P4 | 1" Pleated Filter | 4 / Box | 21 $^1/_2$ | 3 |
| BAYFTAH23P4 | 1" Pleated Filter | 4 / Box | 23 $^1/_2$ | 3 |
| BAYFTAH26P4 | 1" Pleated Filter | 4 / Box | 26 | 3 |
| BAYFTAH21W1A | 1" Washable Filter | 6 / Box | 21 $^1/_2$ | 1 |
| BAYFTAH23W1A | 1" Washable Filter | 6 / Box | 23 $^1/_2$ | 1 $^1/_5$ |
| BAYFTAH26W1A | 1" Washable Filter | 6 / Box | 26 | 1 $^1/_2$ |
| BAYFTAH21M2 | 5" Media Filter | 2 / Box | 21 $^1/_2$ | 5 |
| BAYFTAH23M2 | 5" Media Filter | 2 / Box | 23 $^1/_2$ | 5 |
| BAYFTAH26M2 | 5" Media Filter | 2 / Box | 26 | 6 |
| BAYFTAHEXM2 | Expandable 5" Cartridge Media Filter | 2 / Box | 21 $^1/_2$-26 | 5 |

## Table IAQ-3-C — Downflow Cartridge Media

| Model Number | Description | Qty | Enclosure Used with | Shipping Weight |
|---|---|---|---|---|
| BAYFTDN14M2 | 5" Downflow Media Filter | 2 / Box | 14 D | 5 |
| BAYFTDN17M2 | 5" Downflow Media Filter | 2 / Box | 17 D | 5 |
| BAYFTDN21M2 | 5" Downflow Media Filter | 2 / Box | 21 D | 5 |
| BAYFTDN24M2 | 5" Downflow Media Filter | 2 / Box | 24 D | 5 |

## Table IAQ-3-D — Furnace Frames

| Model Number | Description | Qty | Enclosure Used with | Shipping Weight |
|---|---|---|---|---|
| BAYFRAME145① | Expandable Media Filter | 1 / Box | 14 $^1/_2$ | 5 |
| BAYFRAME175① | Expandable Media Filter | 1 / Box | 17 $^1/_2$ | 5 |
| BAYFRAME210① | Expandable Media Filter | 1 / Box | 21 | 5 |
| BAYFRAME245① | Expandable Media Filter | 1 / Box | 24 $^1/_2$ | 5 |

## Table IAQ-3-E — Air Handler Frames

| Model Number | Description | Qty | Enclosure Used with | Shipping Weight |
|---|---|---|---|---|
| BAYFRAME215① | Expandable Media Frame | 1 / Box | 21 | 5 |
| BAYFRAME235① | Expandable Media Frame | 1 / Box | 23 $^1/_2$ | 5 |
| BAYFRAME260① | Expandable Media Frame | 1 / Box | 26 | 5 |

① Includes one filter.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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14-1011-29

**Table IAQ-4-A — Air Handler Filters**

| AIR HANDLER MODEL NUMBER | | | | |
|---|---|---|---|---|
| **1" Pleated Filter** | **5" Media Filter** | **AccuClean™** | **A** | **B** |
| TFP215A0AH0 | TFM215A0AH0 | AFD215CLAH000D | $21^1/_2$ | 19 |
| TFP235A0AH0 | TFM235A0AH0 | AFD235CLAH000D | $23^1/_2$ | 21 |
| TFP260A0AH0 | TFM260A0AH0 | AFD260CLAH000D | 26 | $23^1/_2$ |

## OUTLINE DRAWING AIR HANDLER MODELS

21" CABINET DEPTH ONLY
ADD DOOR DEPTH FOR TOTAL
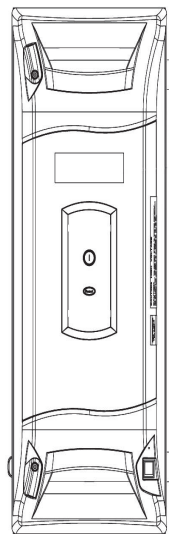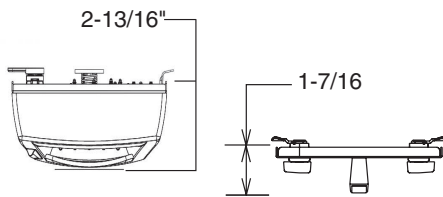


AccuClean™

1" PLEATED
5" MEDIA

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

IAQ-4

Effective 1/1/13
14-1011-29

# Perfect Fit™

2-13/16"   1-7/16
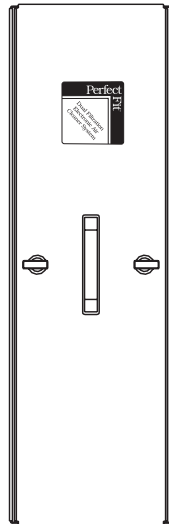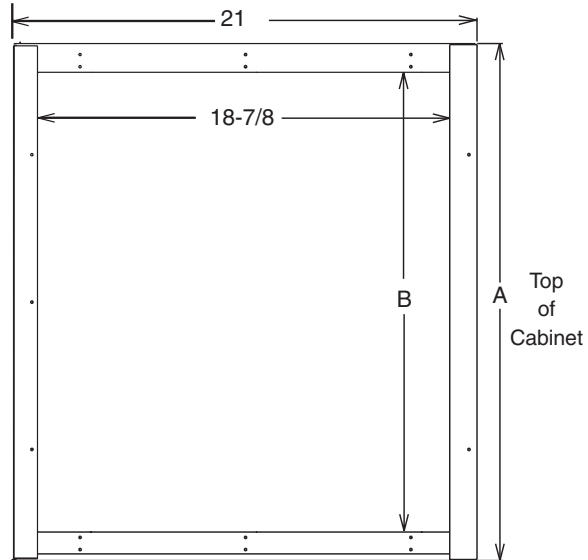
AccuClean™   1" PLEATED
5" MEDIA
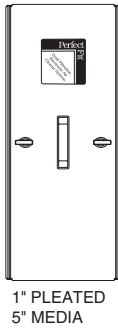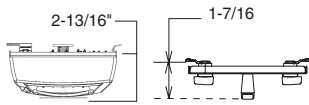
**Table IAQ-5-A — Upflow Furnace Filters**

| FURNACE MODEL NUMBER | | | | |
|---|---|---|---|---|
| **1" Pleated Filter** | **5" Media Filter** | **AccuClean™** | **A** | **B** |
| TFP145A0FR0 | TFM145A0FR0 | AFD145CLFR000D | $14^1/_2$ | 12 |
| TFP175A0FR0 | TFM175A0FR0 | AFD175CLFR000D | $17^1/_2$ | 15 |
| TFP210A0FR0 | TFM210A0FR0 | AFD210CLFR000D | 21 | $18^1/_2$ |
| TFP245A0FR0 | TFM245A0FR0 | AFD245CLFR000D | $24^1/_2$ | 22 |

**Table IAQ-5-B — Downflow Furnace Filters**

| FURNACE MODEL NUMBER | | | |
|---|---|---|---|
| **5" Media Filter** | **AccuClean™** | **A** | **B** |
| TFM14DA0FR0 | AFD14DCLFR000D | $14^1/_2$ | $11^7/_8$ |
| TFM17DA0FR0 | AFD17DCLFR000D | $17^1/_2$ | $14^7/_8$ |
| TFM21DA0FR0 | AFD21DCLFR000D | 21 | $18^3/_8$ |
| TFM24DA0FR0 | AFD24DCLFR000D | $24^1/_2$ | $21^7/_8$ |

### OUTLINE DRAWING
### DOWNFLOW FURNACE MODELS

### 21" CABINET DEPTH ONLY
### ADD DOOR DEPTH FOR TOTAL

Side View

7-7/16

21

18-7/8

B

A

Top
of
Cabinet
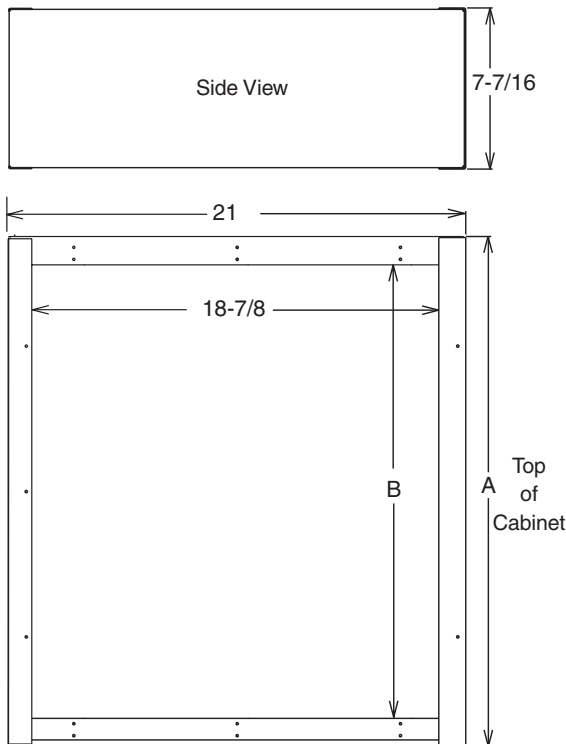
### OUTLINE DRAWING UPFLOW FURNACE MODELS

### 27" CABINET DEPTH ONLY
### ADD DOOR DEPTH FOR TOTAL
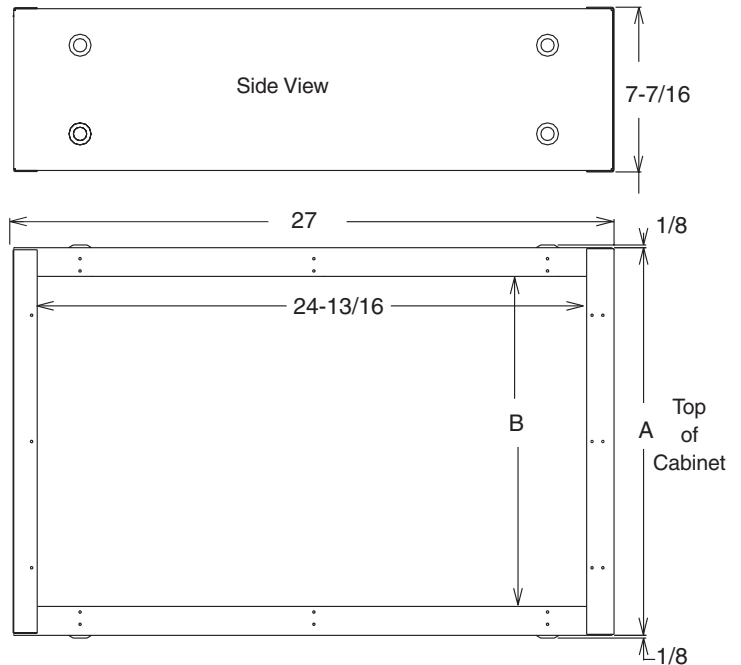
Side View

7-7/16

27

1/8

24-13/16

B

A

Top
of
Cabinet

1/8

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29
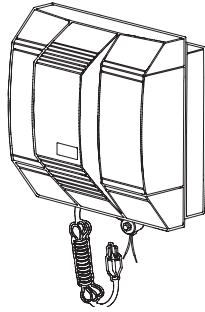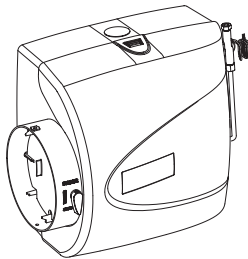
**Indoor Air Quality**

**AHUMD500A**

- Flow Through Fan Powered Humidifier
- High Performance Humidifier Delivers up to 18 Gallons per Day
- Automatic Humidifier Control with O.D. Sensor for up to 50% more Humidity
- Front Cover Access for easy replacement of humidifier pad
- Aluminum Humidifier Pad Treated with Ceramic Coating for Enhanced Pad Performance

- Reliable Brass Solenoid Valve w/Stainless Steel Valve Seat
- UV Resistant Cabinet and Scale Control Insert
- Saddle Valve
- Polyslate Gray Housing matches Furnace Cabinet Color
- Decorative nameplate
- 120V Power Line Cord

**AHUMD500A**

**AHUMD200, 300A**

- AHUMD300A Bypass delivers up to 17 Gallons per day
- AHUMD200A delivers up to 12 Gallons per day
- AHUMD300A Automatic Humidifier Control and O.D. Sensor for up to 50% more Humidity
- AHUMD200A Manual Humidifier Control
- UV Resistant Cabinet and Scale Control Insert
- Front Cover Access for easy replacement of humidifier pad
- Aluminum Humidifier Pad Treated with Ceramic Coating for Enhanced Pad Performance

- Reliable Brass Solenoid Valve w/Stainless Steel Valve Seat
- Field Convertible Duct Connection, Left or Right Side
- Built in Summer / Winter Damper
- Saddle Valve
- Polyslate Gray Housing matches Furnace Cabinet Color
- Decorative nameplate
- 110V Primary/24V Secondary, 10VA transformer

**AHUMD200A, 300A**

**Table IAQ-6-A — Specifications: Humidifier with Humidistat**

| Model Number | Description | Used With | Mfg. Plant | Shipping Weight |
|---|---|---|---|---|
| AHUMD500APA00B①④ | Fan Powered Humidifer | All  Furnace Models | TY | 20 |
| AHUMD300ABA00B② | Large Bypass Humidifier | All  Furnace Models | TY | 15 |
| AHUMD200ABM00B③ | Small Bypass Humidifier | All  Furnace Models | TY | 14 |

① Includes Automatic Humidifier Control (Duct Mount Only).
② Includes Automatic Humidifier Control (Duct Mount Only) and 120/24V transformer.
③ Includes Manual Humidifier Control and 120/24V transformer.
④ Not applicable for horizontal installations.

**Table IAQ-6-B — Accessories**

| Model Number | Description | Used With | Mfg. Plant | Shipping Weight |
|---|---|---|---|---|
| BAYPAD02A1310A | Large Humidifier Pad 13"x10" | AHUMD500,300A | TY | 1 |
| BAYPAD01A1010A | Small Humidifier Pad 9-7/8"x9-5/8" | AHUMD200A | TY | 1 |
| ACONTH01AAUTOA | Automatic Humidifier Control | AHUMD200A | TY | 1 |
| BAYRLY10ASENSA | Current Sensing Relay | All | TY | 1 |
| BAYPLT01AMHCOA | Adapter Plate (Duct Mount) | Manual Humidifier Control | TY | 1 |

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

IAQ-6

Effective 1/1/13
14-1011-29

# Humidifiers
# Fan Powered and Bypass

**Indoor Air Quality**

## AHUMD500APA00B FAN POWERED HUMIDIFIER

15.91

10.34

16.13

18.00

## AHUMD300ABA00B LARGE BYPASS HUMIDIFIER

15.38

14.00

10.25

15.15  15.75

## AHUMD200ABM00B SMALL BYPASS HUMIDIFIER

15.63

14.00

10.25

12.25  13.00

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

IAQ-7

Effective 1/1/13
14-1011-29

Indoor Air Quality

## MANUAL HUMIDIFIER CONTROL
### (SHIP WITH AHUMD200ABM00B)

5.95     0.70

4.13     2.77

DOOR

## ACONTH01AAUTOA AUTOMATIC HUMIDIFIER CONTROL

0.69     0.81     1.85

4.52

OFF     BYPASS     POWER

R  C  ⌐H⌐  ⌐DT⌐
24V

TERMINALS UNDER DOOR

## SUGGESTED BYPASS HUMIDIFIER LOCATIONS
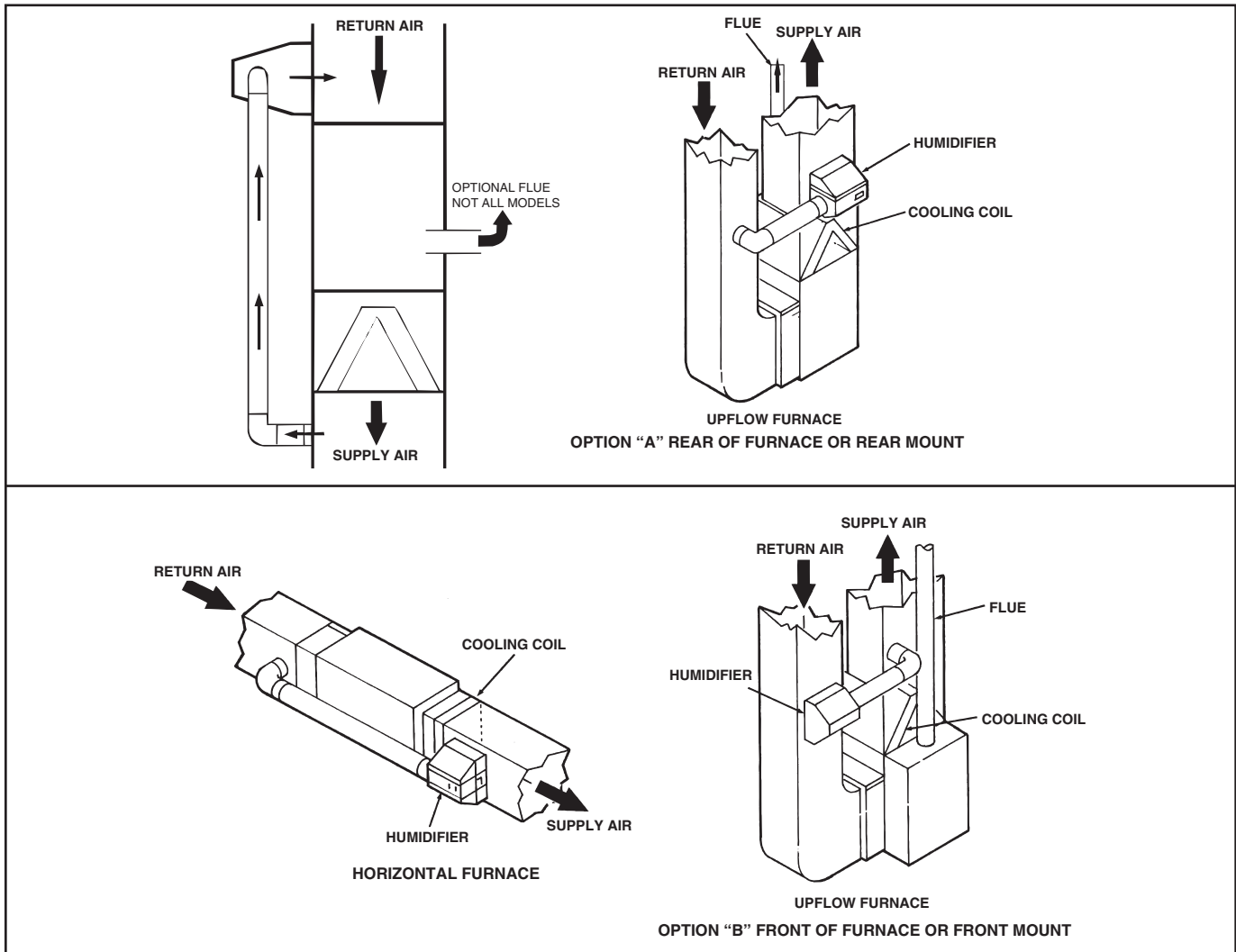
RETURN AIR

OPTIONAL FLUE
NOT ALL MODELS

SUPPLY AIR

FLUE    SUPPLY AIR

RETURN AIR

HUMIDIFIER

COOLING COIL

**UPFLOW FURNACE
OPTION "A" REAR OF FURNACE OR REAR MOUNT**

RETURN AIR

COOLING COIL

HUMIDIFIER

SUPPLY AIR

**HORIZONTAL FURNACE**

SUPPLY AIR

RETURN AIR

FLUE

HUMIDIFIER

COOLING COIL

**UPFLOW FURNACE
OPTION "B" FRONT OF FURNACE OR FRONT MOUNT**

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

IAQ-8

Effective 1/1/13
14-1011-29

# Energy Recovery Ventilator (ERV)
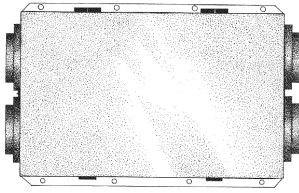


- **American Standard** ERV technology for all seasons and climates
- Static plate energy transfer core for efficient transfer of heat and moisture
- Passive defrost - condensate drain not required
- Balancing dampers not required
- Multi position mounting
- Percent Timer (PT) control included with ERV for simple, automatic operation
- Optional Push Button (PB) control connects to PT control
- Cam action door latches for quick service access
- Heavy gauge, powder painted steel cabinet
- Permanently lubricated motor bearings (ball bearings)

- 6" and 8" double collar duct connections for AERVR100 and 200
- 8" round compatible duct connection for AERVR300
- Closed cell foam gasketing for insulation integrity
- 1" duct board insulation with cleanable foil face
- May be installed in conditioned and unconditioned spaces
- Cabinet / Door color: American Standard Polyslate Gray / Tarpaulin Gray
- **Based Limited Warranty 5-years**
- **Registered Limited Warranty 10-years**
- **Optional extended warranty**

**Indoor Air Quality**

### Table IAQ-9-A — Specifications: ERV

| Model Number | Nominal Airflow (CFM) | Power Supply | Uncrated Dimensions (In.) H x W x D | Shipping Weight |
|---|---|---|---|---|
| AERVR100A9P00A① | 130 | 120/1/60 | $20^{1}/_{8}$ x $28^{3}/_{4}$ x 13 | 65 |
| AERVR200A9P00A① | 200 | 120/1/60 | $20^{1}/_{8}$ x $28^{3}/_{4}$ x $23^{7}/_{8}$ | 85 |
| AERVR300A9P00A① | 300 | 120/1/60 | $20^{1}/_{8}$ x $28^{3}/_{4}$ x $23^{7}/_{8}$ | 95 |

① Percent Timer Control included with the ERV.

### Table IAQ-9-B — Specifications: ERV

| Model Number | Apparent Sensible Effectiveness(32°F) | Sensible Recovery Effectiveness(32°F) | Latent Recovery (32°F) | Total Recovery (95°F) |
|---|---|---|---|---|
| AERVR100A9P00A | 80% @ 124 cfm | 72% @ 124 cfm | 55% @ 124 cfm | 46% @ 126 cfm |
| AERVR200A9P00A | 85% @ 181 cfm | 78% @ 181 cfm | 62% @ 181 cfm | 52% @ 180 cfm |
| AERVR300A9P00A | 78% @ 295 cfm | 70% @ 295 cfm | 51% @ 295 cfm | 43% @ 295 cfm |

### Table IAQ-9-C — Optional Accessories

| Model Number | Description | Used With | Shipping Weight |
|---|---|---|---|
| ACONTV10APBC0A | Point of Use Push Button Control | ERV models 100, 200, 300 | 1 |
| BAYFLT10A1010A | Filters - 2 per pack | ERV models 100 | 1 |
| BAYFLT20A1020A | Filters - 2 per pack | ERV models 200, 300 | 1 |
| BAYWHT10AVENTA② | 6 inch White Vinyl Ventilation Hood | ERV models 100, 200 | 1 |
| BAYBRN10AVENTA② | 6 inch Brown Vinyl Ventilation Hood | ERV models 100, 200 | 1 |
| BAYGLV10AVENTA② | 8 inch Galvenized Ventilation Hood | ERV models 300 | 2 |

② Qty 1.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

IAQ-9

Effective 1/1/13
14-1011-29

# AccuLink™ Platinum ZV Control

**AZONE950AC52ZA**

**Features:**

- Controls Communicating or conventional 24V HVAC systems (5 heat/2 cool/Dual Fuel) with 24V Relay Panel Accessory
- 7" High Definition Color LCD Display
- Compatible with AccuLink™ Zoning Systems - software version 2.0 or later required
- Optional faceplate colors (black, white, graphite)
- System Modes - Heat/Cool/Auto
- Fan Modes - On/Auto/Circulate
- Easy to use Touch Screen Interface
- 7 Day Programmable - (manual or guided scheduling options)
- 1-Touch Pre-Sets for Home, Away, Sleep Settings
- Customizable Home Screen (Color, Information, Layout)
- 5 Day Weather Forecast, Local Radar Image & Weather Alerts (via Wireless Home Network)
- Weekly & Monthly System Run Time Monitor
- Allergy Clean & Quick Clean Indoor Air Cycles
- Built in Dual Fuel Economic Calculator.
- Digital Photo Album with Slide Show Screen Saver Option
- Embedded Diagnostics - (Alerts have time/date stamp with on screen probable causes)
- Heating Humidification Control
  -Relative Humidity Control
  -Dew Point Control
- Cooling Dehumidification Control
- Ventilation Control
- Whole-house Dehumidifier Control
- Smart Continuous Fan (disables Cont. Fan if RH is above setpoint)
- Adjustable Continuous Fan Airflow Settings (35 to 100%)

- Service Reminders - Filters, EAC, Humidifier, HVAC System, UV Lights
- Upgradeable Firmware via internet (SD Card required)
- Remote Access Option (for controlling the 950 Control only) is included with purchase.  Remote access provided by Nexia Home Intelligence
- Keypad lock - Pin Code Option Security Options
- Dealer and System Information Screens
- Remote Indoor Temperature Sensor - (Optional Wired)
- Outdoor Temperature Sensor Option for 24 Volt systems
- Fahrenheit or Celsius Indoor Display Options
- 802.11 B/G  - WLAN (wireless local area network) for weather feed

**Dimensions:**
- 7.3" width X 4.3" height X 1.2" depth

**Storage Temperature:**
- -40°F to 175°F, 5% to 95% RH non-condensing

**Operating Temperature:**
- 25°F to 126°F, 5% to 90% RH non-condensing

**Optional front bezels for Platinum ZV Control:**
**Graphite** - AZGRA950ABEZEL
**White** - AZWHT950ABEZEL
**Black** - AZBLK950ABEZEL

**Comfort Controls/Zone Sensors**

NEXIA™
HOME INTELLIGENCE

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CCZS-1

Effective 1/1/13
14-1011-29

# American Standard
## HEATING & AIR CONDITIONING

# Communicating Sensor with Display
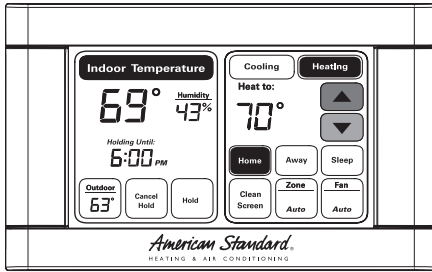


**AZONE940AC52ZA**

- Compatible with AccuLink™ Zoning Systems
- 3-Wire Communicating Zone Sensor
- 4.5" backlit touch screen black and white display
- Optional faceplate colors (silver/black, black, white, graphite)
- Zone Mode - Heat/Cool/Auto
- Fan Mode - Auto/On
- Synchronizes with AZONE950 Real Time Clock
- Weekly Comfort Settings scheduled from AZONE950
- Zone Schedule Overide
  - Permanent Hold
  - Temporary Override
- 1-Touch Pre-Sets For Home, Away, Sleep Settings
- 24V power
- Displays Zone Temperature & Relative Humidity
- Displays Outdoor Temperature & Outdoor Relative Humidity (if available on AZONE950)
- Clean Screen Function
- Keypad lock- enabled from AZONE950
- Fahrenheit or Celsius - enabled from AZONE950 (system level setting)

**Dimensions:**
- 5.5" width x 3.4" height x 1.1" depth

**Storage Temperature:**
- -40°F to 170°F, 0% - 95% RH

**Operating Temperature:**
- 32°F - 120°F, 5% - 90% RH non-condensing

**Optional front bezels for AZONE940 Control:**
- AZSBK940ABEZEL - Silver/Black
- AZGRA940ABEZEL - Graphite
- AZWHT940ABEZEL - White
- AZBLK940ABEZEL - Black

**Comfort Controls/Zone Sensors**

# AVAILABLE IN 1ST QUARTER 2013

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CCZS-2

Effective 1/1/13
14-1011-29

# Conventional 24 Volt HVAC System Interface Relay Panel for AccuLink™ Platinum ZV Control
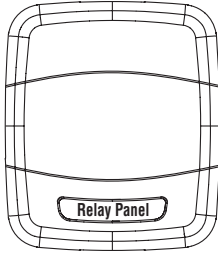
**BAY24VRPAC52DA**

### BAY24VRPAC52DA — Without AUX Contact Control

- 5 Heat (Gas, Oil, Electric)/2 Cool/Heat Pump/Dual Fuel
- Optional remote indoor temperature connection point
- Optional outdoor temperature connection point
- LED stage indicators
- Removable low voltage terminal blocks for easy service and replacement
- Humidifier Control

**Dimensions:**
- 8.0" width x 9.3" height x 1.9" depth

**Storage Temperature:**
- -40° to 175°F, 5% - 95% RH non-condensing

**Operating Temperature:**
- -40° to 150°F, 5% - 95% RH non-condensing

## NOTE: For applications requiring AUX Contact Control, please use "B" model below.
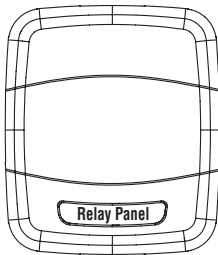
**BAY24VRPAC52DB**

### BAY24VRPAC52DB — With AUX Contact Control

- 5 Heat (Gas, Oil, Electric)/2 Cool/Heat Pump/Dual Fuel
- Optional remote indoor temperature connection point
- Optional outdoor temperature connection point
- LED stage indicators
- Removable low voltage terminal blocks for easy service and replacement
- Humidifier Control
- **AUX Contacts**
  -Whole-home Dehumidifier Control
  -Ventilation Control

**Dimensions:**
- 8.0" width x 9.3" height x 1.9" depth

**Storage Temperature:**
- -40° to 175°F, 5% - 95% RH non-condensing

**Operating Temperature:**
- -40° to 150°F, 5% - 95% RH non-condensing

**Comfort Controls/Zone Sensors**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CCZS-3

Effective 1/1/13
14-1011-29

# AccuLink™ Platinum ZV Control Component Overview

## Communicating System



Control
AZONE950AC52ZA

Wired Remote
Indoor Sensor①
ZZSENSAL0400AA

Wireless
Home
Network

Indoor Unit

Outdoor Unit

① Optional Accessory

## 24V System



Control
AZONE950AC52ZA

Wired Remote
Indoor Sensor①②
ZZSENSAL0400AA

Wireless
Home
Network

Relay Panel
BAY24VRPAC52D*

Indoor Unit

Wired Remote
Outdoor Sensor
BAYSEN01ATEMPA①③

Outdoor Unit

① Optional Accessory
② Can alternatively be connected to the Relay Panel
③ Can alternatively be connected to the 950 Control

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CCZS-4

Effective 1/1/13
14-1011-29

American Standard®

HEATING & AIR CONDITIONING

# AccuLink™ Zoning Assembly



Discharge Air Sensor

Clamp Connectors

Static Probes

Static Pressure Transducer

Transducer Enclosure

Zone Panel

Connecting Tubing

**ZZONEPNLAC52ZB**

**ZZONEPNLAC52ZB**
**American Standard Variable Speed Indoor Unit (Air handler/Gas Furnace) required.**
**Includes:**
• Four Zone Communicating Zone Panel with discharge air sensor, static pressure transducer and housing, supply, return air static probes and connecting tubing, and three wiring blocks
• Automatically sets maximum CFM per zone
• Compatible with 24 Volt systems with the addition of 24 Volt relay panel
• Controls 24 Volt power open, power close modulating dampers
• Auto detects installed dampers
• Supports 2-wire (ZZSENSAL0400AA) and 3-wire (AZONE940) zone sensors
• Adjustable damper motor travel times of 15 to 60 seconds
• Requires field supplied 24 volt power supply
• Up to four 1.5 VA dampers can be wired in parallel to each zone
• Backlit LCD display for easy setup and service
• Optional return and mixed air sensors are available
• Removable low voltage terminal blocks for easy service and replacement

# AccuLink™ Zone Expander Panel (Required with more than 4 zones)



Zone Panel
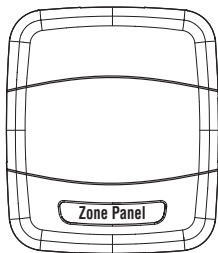
**ZZONEEXPAC52ZB**

**ZZONEEXPAC52ZA***
• Expands the maximum number of zones per system to eight
• Controls 24 Volt power open, power close modulating dampers
• Auto detects installed dampers
• Supports 2-wire (ZZSENSAL0400AA) and 3-wire (AZONE940) zone sensors
• Adjustable damper motor travel times of 15 to 60 seconds
• Requires field supplied 24 Volt power supply

**Dimensions:**
• 8.0" width x 9.3" height x 1.9" depth

**Storage Temperature:**
• -40° to 175°F, 5% to 95% RH non-condensing

**Operating Temperature:**
• -40° to 150°F, 5% to 95% RH non-condensing

**\*This is the same Zone Panel that ships as part of the Zoning Assembly**

**Comfort Controls/Zone Sensors**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CCZS-5

Effective 1/1/13
14-1011-29

## Zoned Communicating System

**AccuLink™
Control**

Indoor Unit

Outdoor Unit

Wireless
Home
Network

Static Pressure
Sensor

24V
Trans.

Zone Panel
Zones 1-4
(ZZONEPNLAC52ZB)

Discharge

Return

Mixed

Optional
Temperature
Sensors

Zones 1-4

Modulating Dampers

Zone Panel

Wired Zone Sensors*
(non-display)
(ZZSENSAL0400AA)

AND/OR

Wired Zone Sensors*
(with display)
(AZONE940)

Zones 5-8

Modulating Dampers

Zone Panel

Zone Expander
Zones 5-8
(ZZONEEXPAC52ZB)

Wired Zone Sensors*
(non-display)
(ZZSENSAL0400AA)

AND/OR

Wired Zone Sensors*
(with display)
(AZONE940)

**Comfort Controls/Zone Sensors**

\* Up to 4 AZONE940 Zone Sensors with display may be used with each ZZONEPNLAC52ZA
Zone Panel. AZONE940 Zone Sensors may be used in all zones or in conjunction with zones
using non-display ZZSENSAL0400AA sensors.

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

CCZS-6

Effective 1/1/13
14-1011-29

## Zoned 24V



**AccuLink™ Control**

Thu, Dec 16  10:23 AM

Indoor Temperature
**74°**
*System Idle*
Following Schedule 'Away'

Cooling | Heating
Cool to:
**74°**
Home | Away | Sleep
Hold Options

Outdoor Temperature
50°
Indoor Humidity
50%
Air Filter Status
Good

? Menu | Auto | Auto | Auto

American Standard

Wireless Home Network

Relay Panel
BAY24VRPAC52D*

Indoor Unit

Wired Remote Outdoor Sensor
BAYSEN01ATEMPA①③

Outdoor Unit

Static Pressure Sensor

24V Trans.

Zone Panel
Zones 1-4
(ZZONEPNLAC52ZB)

Discharge

Return

Mixed

Optional Temperature Sensors

Zones 1-4

Modulating Dampers

Wired Zone Sensors*
(non-display)
(ZZSENSAL0400AA)

AND/OR

Wired Zone Sensors*
(with display)
(AZONE940)

Zones 5-8

Modulating Dampers

Zone Expander
Zones 5-8
(ZZONEEXPAC52ZB)

Wired Zone Sensors*
(non-display)
(ZZSENSAL0400AA)

AND/OR

Wired Zone Sensors*
(with display)
(AZONE940)

Comfort Controls/Zone Sensors

* Up to 4 AZONE940 Zone Sensors with display may be used with each ZZONEPNLAC52ZA Zone Panel. AZONE940 Zone Sensors may be used in all zones or in conjunction with zones using non-display ZZSENSAL0400AA sensors.
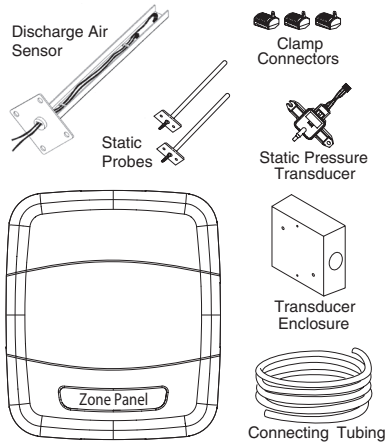
① Optional Accessory
② Can alternatively be connected to the Relay Panel
③ Can alternatively be connected to the 950 Control

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

# 24 Volt Modulating Dampers
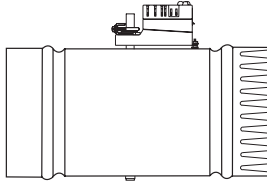


**Round Dampers**

## Round Dampers
- 24 VAC Powered open/Powered closed
- Three wire connection - 18 gauge
- 1.5 VA damper actuator with 60 second travel time
- 18 in. lbs. of torque
- Manual gear release
- Screw terminal blocks
- Flexible shutoff seal provides 98% closure

**Table AL-8-A — Specifications: Round Dampers**

| Model Number | Power Supply | Description | Fits Round Duct Size |
|---|---|---|---|
| ZDAMPRDMA0004A | 24 VAC | Round | 4" |
| ZDAMPRDMA0006A | 24 VAC | Round | 6" |
| ZDAMPRDMA0007A | 24 VAC | Round | 7" |
| ZDAMPRDMA0008A | 24 VAC | Round | 8" |
| ZDAMPRDMA0009A | 24 VAC | Round | 9" |
| ZDAMPRDMA0010A | 24 VAC | Round | 10" |
| ZDAMPRDMA0012A | 24 VAC | Round | 12" |
| ZDAMPRDMA0014A | 24 VAC | Round | 14" |
| ZDAMPRDMA0016A | 24 VAC | Round | 16" |
| ZDAMPRDMA0018A | 24 VAC | Round | 18" |
| ZDAMPRDMA0020A | 24 VAC | Round | 20" |
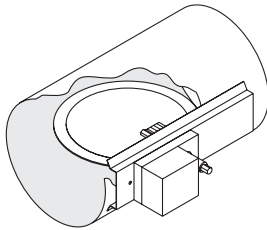


**Retro-Fit Round Dampers**

## Retro-Fit Round Dampers
- 24 VAC Powered open/Powered closed
- Three wire connection - 18 gauge
- Slip-In-Design installs quickly
- 1.5 VA damper actuator with 60 second travel time
- 18 in. lbs. of torque
- Manual gear release
- Screw terminal blocks
- Flexible shutoff seal provides 98% closure

**Table AL-8-B — Specifications: Retrofit Round Dampers**

| Model Number | Power Supply | Description | Fits Round Duct Size |
|---|---|---|---|
| ZDAMPRRMA0004A | 24 VAC | Retrofit Round | 4" |
| ZDAMPRRMA0005A | 24 VAC | Retrofit Round | 5" |
| ZDAMPRRMA0006A | 24 VAC | Retrofit Round | 6" |
| ZDAMPRRMA0007A | 24 VAC | Retrofit Round | 7" |
| ZDAMPRRMA0008A | 24 VAC | Retrofit Round | 8" |
| ZDAMPRRMA0009A | 24 VAC | Retrofit Round | 9" |
| ZDAMPRRMA0010A | 24 VAC | Retrofit Round | 10" |

**Comfort Controls/Zone Sensors**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CCZS-8

Effective 1/1/13
14-1011-29

# American Standard
HEATING & AIR CONDITIONING

# 24 Volt Modulating Dampers - Side Mount

## Rectangular Dampers with Side Mount Actuator

- 24 VAC Powered open/Powered closed
- Three wire connection - 18 gauge
- 1.5 VA damper actuator with 60 second travel time
- 18 in. lbs. of torque
- Manual gear release

- Screw terminal blocks
- 97% leak proof rating
- Sturdy aluminum blades and frame
- Motor is always located on the second dimension of the model number, i.e ZDAMP*MMA1012A will have the motor mounted on the 12" dimension

**Rectangular Dampers with Side Mount Actuator**

**Table AL-9-A — Specifications: Rectangular Dampers with Side Mount Actuator**

| Model Number | Power Supply | Description | Uncrated Dimensions (in.) | |
|---|---|---|---|---|
| | | | W | H |
| ZDAMPSMMA0806A | 24 VAC | Rectangular-Side Mount Actuator | 8 | 6 |
| ZDAMPSMMA0808A | 24 VAC | Rectangular-Side Mount Actuator | 8 | 8 |
| ZDAMPSMMA1006A | 24 VAC | Rectangular-Side Mount Actuator | 10 | 6 |
| ZDAMPSMMA1008A | 24 VAC | Rectangular-Side Mount Actuator | 10 | 8 |
| ZDAMPSMMA1010A | 24 VAC | Rectangular-Side Mount Actuator | 10 | 10 |
| ZDAMPSMMA1206A | 24 VAC | Rectangular-Side Mount Actuator | 12 | 6 |
| ZDAMPSMMA1208A | 24 VAC | Rectangular-Side Mount Actuator | 12 | 8 |
| ZDAMPSMMA1210A | 24 VAC | Rectangular-Side Mount Actuator | 12 | 10 |
| ZDAMPSMMA1212A | 24 VAC | Rectangular-Side Mount Actuator | 12 | 12 |
| ZDAMPSMMA1406A | 24 VAC | Rectangular-Side Mount Actuator | 14 | 6 |
| ZDAMPSMMA1408A | 24 VAC | Rectangular-Side Mount Actuator | 14 | 8 |
| ZDAMPSMMA1410A | 24 VAC | Rectangular-Side Mount Actuator | 14 | 10 |
| ZDAMPSMMA1412A | 24 VAC | Rectangular-Side Mount Actuator | 14 | 12 |
| ZDAMPSMMA1414A | 24 VAC | Rectangular-Side Mount Actuator | 14 | 14 |
| ZDAMPSMMA1606A | 24 VAC | Rectangular-Side Mount Actuator | 16 | 6 |
| ZDAMPSMMA1608A | 24 VAC | Rectangular-Side Mount Actuator | 16 | 8 |
| ZDAMPSMMA1610A | 24 VAC | Rectangular-Side Mount Actuator | 16 | 10 |
| ZDAMPSMMA1612A | 24 VAC | Rectangular-Side Mount Actuator | 16 | 12 |
| ZDAMPSMMA1614A | 24 VAC | Rectangular-Side Mount Actuator | 16 | 14 |
| ZDAMPSMMA1616A | 24 VAC | Rectangular-Side Mount Actuator | 16 | 16 |
| ZDAMPSMMA1806A | 24 VAC | Rectangular-Side Mount Actuator | 18 | 6 |
| ZDAMPSMMA1808A | 24 VAC | Rectangular-Side Mount Actuator | 18 | 8 |
| ZDAMPSMMA1810A | 24 VAC | Rectangular-Side Mount Actuator | 18 | 10 |
| ZDAMPSMMA1812A | 24 VAC | Rectangular-Side Mount Actuator | 18 | 12 |
| ZDAMPSMMA1814A | 24 VAC | Rectangular-Side Mount Actuator | 18 | 14 |
| ZDAMPSMMA1816A | 24 VAC | Rectangular-Side Mount Actuator | 18 | 16 |
| ZDAMPSMMA1818A | 24 VAC | Rectangular-Side Mount Actuator | 18 | 18 |
| ZDAMPSMMA2006A | 24 VAC | Rectangular-Side Mount Actuator | 20 | 6 |
| ZDAMPSMMA2008A | 24 VAC | Rectangular-Side Mount Actuator | 20 | 8 |
| ZDAMPSMMA2010A | 24 VAC | Rectangular-Side Mount Actuator | 20 | 10 |
| ZDAMPSMMA2012A | 24 VAC | Rectangular-Side Mount Actuator | 20 | 12 |
| ZDAMPSMMA2014A | 24 VAC | Rectangular-Side Mount Actuator | 20 | 14 |
| ZDAMPSMMA2016A | 24 VAC | Rectangular-Side Mount Actuator | 20 | 16 |
| ZDAMPSMMA2018A | 24 VAC | Rectangular-Side Mount Actuator | 20 | 18 |
| ZDAMPSMMA2020A | 24 VAC | Rectangular-Side Mount Actuator | 20 | 20 |

**Comfort Controls/Zone Sensors**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Effective 1/1/13
14-1011-29

**Table AL-10-A — Specifications: Rectangular Dampers with Side Mount Actuator (continued)**

| Model Number | Power Supply | Description | Uncrated Dimensions (in.) | |
|---|---|---|---|---|
| | | | W | H |
| ZDAMPSMMA2206A | 24 VAC | Rectangular-Side Mount Actuator | 22 | 6 |
| ZDAMPSMMA2208A | 24 VAC | Rectangular-Side Mount Actuator | 22 | 8 |
| ZDAMPSMMA2210A | 24 VAC | Rectangular-Side Mount Actuator | 22 | 10 |
| ZDAMPSMMA2212A | 24 VAC | Rectangular-Side Mount Actuator | 22 | 12 |
| ZDAMPSMMA2214A | 24 VAC | Rectangular-Side Mount Actuator | 22 | 14 |
| ZDAMPSMMA2216A | 24 VAC | Rectangular-Side Mount Actuator | 22 | 16 |
| ZDAMPSMMA2218A | 24 VAC | Rectangular-Side Mount Actuator | 22 | 18 |
| ZDAMPSMMA2220A | 24 VAC | Rectangular-Side Mount Actuator | 22 | 20 |
| ZDAMPSMMA2222A | 24 VAC | Rectangular-Side Mount Actuator | 22 | 22 |
| ZDAMPSMMA2406A | 24 VAC | Rectangular-Side Mount Actuator | 24 | 6 |
| ZDAMPSMMA2408A | 24 VAC | Rectangular-Side Mount Actuator | 24 | 8 |
| ZDAMPSMMA2410A | 24 VAC | Rectangular-Side Mount Actuator | 24 | 10 |
| ZDAMPSMMA2412A | 24 VAC | Rectangular-Side Mount Actuator | 24 | 12 |
| ZDAMPSMMA2414A | 24 VAC | Rectangular-Side Mount Actuator | 24 | 14 |
| ZDAMPSMMA2416A | 24 VAC | Rectangular-Side Mount Actuator | 24 | 16 |
| ZDAMPSMMA2418A | 24 VAC | Rectangular-Side Mount Actuator | 24 | 18 |
| ZDAMPSMMA2420A | 24 VAC | Rectangular-Side Mount Actuator | 24 | 20 |
| ZDAMPSMMA2422A | 24 VAC | Rectangular-Side Mount Actuator | 24 | 22 |
| ZDAMPSMMA2424A | 24 VAC | Rectangular-Side Mount Actuator | 24 | 24 |
| ZDAMPSMMA2606A | 24 VAC | Rectangular-Side Mount Actuator | 26 | 6 |
| ZDAMPSMMA2608A | 24 VAC | Rectangular-Side Mount Actuator | 26 | 8 |
| ZDAMPSMMA2610A | 24 VAC | Rectangular-Side Mount Actuator | 26 | 10 |
| ZDAMPSMMA2612A | 24 VAC | Rectangular-Side Mount Actuator | 26 | 12 |
| ZDAMPSMMA2614A | 24 VAC | Rectangular-Side Mount Actuator | 26 | 14 |
| ZDAMPSMMA2616A | 24 VAC | Rectangular-Side Mount Actuator | 26 | 16 |
| ZDAMPSMMA2618A | 24 VAC | Rectangular-Side Mount Actuator | 26 | 18 |
| ZDAMPSMMA2620A | 24 VAC | Rectangular-Side Mount Actuator | 26 | 20 |
| ZDAMPSMMA2622A | 24 VAC | Rectangular-Side Mount Actuator | 26 | 22 |
| ZDAMPSMMA2624A | 24 VAC | Rectangular-Side Mount Actuator | 26 | 24 |
| ZDAMPSMMA2626A | 24 VAC | Rectangular-Side Mount Actuator | 26 | 26 |
| ZDAMPSMMA2806A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 6 |
| ZDAMPSMMA2808A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 8 |
| ZDAMPSMMA2810A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 10 |
| ZDAMPSMMA2812A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 12 |
| ZDAMPSMMA2814A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 14 |
| ZDAMPSMMA2816A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 16 |
| ZDAMPSMMA2818A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 18 |
| ZDAMPSMMA2820A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 20 |
| ZDAMPSMMA2822A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 22 |
| ZDAMPSMMA2824A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 24 |
| ZDAMPSMMA2826A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 26 |
| ZDAMPSMMA2828A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 28 |
| ZDAMPSMMA3006A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 6 |
| ZDAMPSMMA3008A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 8 |
| ZDAMPSMMA3010A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 10 |
| ZDAMPSMMA3012A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 12 |
| ZDAMPSMMA3014A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 14 |
| ZDAMPSMMA3016A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 16 |
| ZDAMPSMMA3018A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 18 |
| ZDAMPSMMA3020A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 20 |
| ZDAMPSMMA3022A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 22 |
| ZDAMPSMMA3024A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 24 |
| ZDAMPSMMA3026A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 26 |
| ZDAMPSMMA3028A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 28 |
| ZDAMPSMMA3030A | 24 VAC | Rectangular-Side Mount Actuator | 28 | 30 |

**Comfort Controls/Zone Sensors**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Effective 1/1/13
14-1011-29

# 24 Volt Modulating Dampers - Bottom Mount
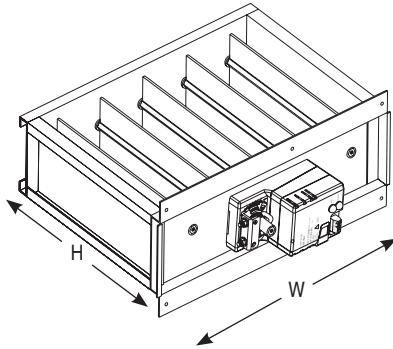


**Rectangular Dampers with Bottom Mount Actuator**

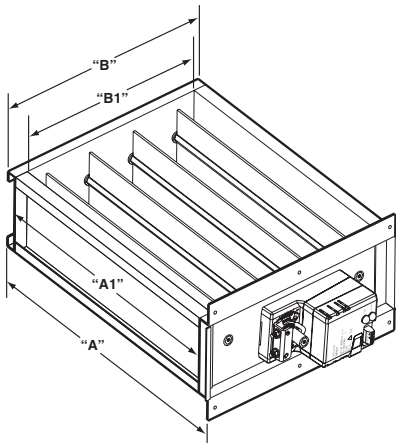## Rectangular Dampers with Bottom Mount Actuator

- 24 VAC Powered open/Powered closed
- Three wire connection - 18 gauge
- 1.5 VA damper actuator with 60 second travel time
- 18 in. lbs. of torque
- Manual gear release
- Screw terminal blocks

- 97% leak proof rating
- Sturdy aluminum blades and frame
- Motor is always located on the second dimension of the model number, i.e ZDAMP*MMA1012A will have the motor mounted on the 12" dimension

**Table AL-11-A — Specifications: Rectangular Dampers with Bottom Mount Actuator**

| Model Number | Power Supply | Description | Uncrated Dimensions (in.) H | W |
|---|---|---|---|---|
| ZDAMPBMMA0810A | 24 VAC | Rectangular-Bottom Mount Actuator | 8 | 10 |
| ZDAMPBMMA0812A | 24 VAC | Rectangular-Bottom Mount Actuator | 8 | 12 |
| ZDAMPBMMA0814A | 24 VAC | Rectangular-Bottom Mount Actuator | 8 | 14 |
| ZDAMPBMMA0816A | 24 VAC | Rectangular-Bottom Mount Actuator | 8 | 16 |
| ZDAMPBMMA0818A | 24 VAC | Rectangular-Bottom Mount Actuator | 8 | 18 |
| ZDAMPBMMA0820A | 24 VAC | Rectangular-Bottom Mount Actuator | 8 | 20 |
| ZDAMPBMMA0822A | 24 VAC | Rectangular-Bottom Mount Actuator | 8 | 22 |
| ZDAMPBMMA0824A | 24 VAC | Rectangular-Bottom Mount Actuator | 8 | 24 |
| ZDAMPBMMA0826A | 24 VAC | Rectangular-Bottom Mount Actuator | 8 | 26 |
| ZDAMPBMMA0828A | 24 VAC | Rectangular-Bottom Mount Actuator | 8 | 28 |
| ZDAMPBMMA0830A | 24 VAC | Rectangular-Bottom Mount Actuator | 8 | 30 |
| ZDAMPBMMA1012A | 24 VAC | Rectangular-Bottom Mount Actuator | 10 | 12 |
| ZDAMPBMMA1014A | 24 VAC | Rectangular-Bottom Mount Actuator | 10 | 14 |
| ZDAMPBMMA1016A | 24 VAC | Rectangular-Bottom Mount Actuator | 10 | 16 |
| ZDAMPBMMA1018A | 24 VAC | Rectangular-Bottom Mount Actuator | 10 | 18 |
| ZDAMPBMMA1020A | 24 VAC | Rectangular-Bottom Mount Actuator | 10 | 20 |
| ZDAMPBMMA1022A | 24 VAC | Rectangular-Bottom Mount Actuator | 10 | 22 |
| ZDAMPBMMA1024A | 24 VAC | Rectangular-Bottom Mount Actuator | 10 | 24 |
| ZDAMPBMMA1026A | 24 VAC | Rectangular-Bottom Mount Actuator | 10 | 26 |
| ZDAMPBMMA1028A | 24 VAC | Rectangular-Bottom Mount Actuator | 10 | 28 |
| ZDAMPBMMA1030A | 24 VAC | Rectangular-Bottom Mount Actuator | 10 | 30 |
| ZDAMPBMMA1214A | 24 VAC | Rectangular-Bottom Mount Actuator | 12 | 14 |
| ZDAMPBMMA1216A | 24 VAC | Rectangular-Bottom Mount Actuator | 12 | 16 |
| ZDAMPBMMA1218A | 24 VAC | Rectangular-Bottom Mount Actuator | 12 | 18 |
| ZDAMPBMMA1220A | 24 VAC | Rectangular-Bottom Mount Actuator | 12 | 20 |
| ZDAMPBMMA1222A | 24 VAC | Rectangular-Bottom Mount Actuator | 12 | 22 |
| ZDAMPBMMA1224A | 24 VAC | Rectangular-Bottom Mount Actuator | 12 | 24 |
| ZDAMPBMMA1226A | 24 VAC | Rectangular-Bottom Mount Actuator | 12 | 26 |
| ZDAMPBMMA1228A | 24 VAC | Rectangular-Bottom Mount Actuator | 12 | 28 |
| ZDAMPBMMA1230A | 24 VAC | Rectangular-Bottom Mount Actuator | 12 | 30 |
| ZDAMPBMMA1416A | 24 VAC | Rectangular-Bottom Mount Actuator | 14 | 16 |
| ZDAMPBMMA1418A | 24 VAC | Rectangular-Bottom Mount Actuator | 14 | 18 |
| ZDAMPBMMA1420A | 24 VAC | Rectangular-Bottom Mount Actuator | 14 | 20 |
| ZDAMPBMMA1422A | 24 VAC | Rectangular-Bottom Mount Actuator | 14 | 22 |
| ZDAMPBMMA1424A | 24 VAC | Rectangular-Bottom Mount Actuator | 14 | 24 |
| ZDAMPBMMA1426A | 24 VAC | Rectangular-Bottom Mount Actuator | 14 | 26 |
| ZDAMPBMMA1428A | 24 VAC | Rectangular-Bottom Mount Actuator | 14 | 28 |
| ZDAMPBMMA1430A | 24 VAC | Rectangular-Bottom Mount Actuator | 14 | 30 |
| ZDAMPBMMA1618A | 24 VAC | Rectangular-Bottom Mount Actuator | 16 | 18 |
| ZDAMPBMMA1620A | 24 VAC | Rectangular-Bottom Mount Actuator | 16 | 20 |
| ZDAMPBMMA1622A | 24 VAC | Rectangular-Bottom Mount Actuator | 16 | 22 |
| ZDAMPBMMA1624A | 24 VAC | Rectangular-Bottom Mount Actuator | 16 | 24 |
| ZDAMPBMMA1626A | 24 VAC | Rectangular-Bottom Mount Actuator | 16 | 26 |
| ZDAMPBMMA1628A | 24 VAC | Rectangular-Bottom Mount Actuator | 16 | 28 |
| ZDAMPBMMA1630A | 24 VAC | Rectangular-Bottom Mount Actuator | 16 | 30 |
| ZDAMPBMMA1820A | 24 VAC | Rectangular-Bottom Mount Actuator | 18 | 20 |
| ZDAMPBMMA1822A | 24 VAC | Rectangular-Bottom Mount Actuator | 18 | 22 |
| ZDAMPBMMA1824A | 24 VAC | Rectangular-Bottom Mount Actuator | 18 | 24 |
| ZDAMPBMMA1826A | 24 VAC | Rectangular-Bottom Mount Actuator | 18 | 26 |
| ZDAMPBMMA2022A | 24 VAC | Rectangular-Bottom Mount Actuator | 20 | 22 |
| ZDAMPBMMA2024A | 24 VAC | Rectangular-Bottom Mount Actuator | 20 | 24 |

**Comfort Controls/Zone Sensors**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Effective 1/1/13
14-1011-29

# 24 Volt Modulating Dampers

**Table AL-12-A — Rectangular Damper Net Free Area**



| Listed Size Wide | Actual Outside Size A | Actual Inside Size A1 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | Listed Size    High |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 7.813 | 9.813 | 11.813 | 13.813 | 15.813 | 17.813 | 19.813 | 21.813 | 23.813 | 25.813 | 27.813 | 29.813 | Act. Outside Size  B |
| | | | 5.813 | 7.813 | 9.813 | 11.813 | 13.813 | 15.813 | 17.813 | 19.813 | 21.813 | 23.813 | 25.813 | 27.813 | Act. Inside Size B1 |
| | | | 3 | 3 | 4 | 5 | 6 | 7 | 7 | 8 | 9 | 10 | 11 | 11 | No. of Blades |
| 6 | 5.812 | 4.313 | 19.5 | 28.1 | 34.9 | 41.6 | 48.6 | 55.1 | 63.8 | 70.5 | 77.3 | 84.0 | 90.8 | 99.4 | |
| 8 | 7.812 | 6.313 | 28.5 | 41.1 | 51.0 | 60.9 | 70.8 | 80.7 | 93.3 | 103.2 | 113.1 | 123.0 | 132.9 | 145.5 | |
| 10 | 9.812 | 8.313 | 37.5 | 54.2 | 67.2 | 80.2 | 93.2 | 106.3 | 122.9 | 135.9 | 148.9 | 162.0 | 175.0 | 191.6 | |
| 12 | 11.812 | 10.313 | 46.5 | 67.2 | 83.3 | 99.5 | 115.7 | 131.8 | 152.5 | 168.6 | 184.8 | 200.9 | 217.1 | 237.7 | |
| 14 | 13.812 | 12.313 | 55.6 | 80.2 | 99.5 | 118.8 | 138.1 | 157.4 | 182.0 | 201.3 | 220.6 | 239.9 | 259.2 | 283.8 | |
| 16 | 15.812 | 14.313 | 64.6 | 93.2 | 115.7 | 138.1 | 160.5 | 183.0 | 211.6 | 234.0 | 256.4 | 278.9 | 301.3 | 329.9 | |
| 18 | 17.812 | 16.313 | 73.6 | 106.3 | 131.8 | 157.4 | 183.0 | 208.5 | 241.1 | 266.7 | 292.3 | 317.8 | 343.4 | 376.0 | |
| 20 | 19.812 | 18.313 | 82.7 | 119.3 | 148.0 | 176.7 | 205.4 | 234.1 | 270.7 | 299.4 | 328.1 | 356.8 | 385.5 | 422.1 | |
| 22 | 21.812 | 20.313 | 91.7 | 132.3 | 164.2 | 196.0 | 227.8 | 259.6 | 300.3 | 332.1 | 363.9 | 395.8 | 427.6 | 468.2 | |
| 24 | 23.812 | 22.313 | 100.7 | 145.4 | 180.3 | 215.3 | 250.2 | 285.2 | 329.8 | 364.8 | 399.8 | 435.2 | 469.7 | 514.3 | |
| 26 | 25.812 | 24.313 | 109.8 | 158.4 | 196.5 | 234.6 | 272.7 | 310.8 | 359.4 | 397.5 | 435.6 | 473.7 | 511.8 | 560.4 | |
| 28 | 27.812 | 26.313 | 118.8 | 171.4 | 212.6 | 253.9 | 295.1 | 336.3 | 389.0 | 430.2 | 471.4 | 512.7 | 553.8 | 606.5 | |
| 30 | 29.812 | 28.313 | 127.8 | 184.4 | 228.8 | 273.2 | 317.5 | 361.9 | 418.5 | 462.9 | 507.3 | 551.6 | 596.0 | 652.6 | |

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CCZS-12

Effective 1/1/13
14-1011-29

# Programmable 7 Day Comfort Controls
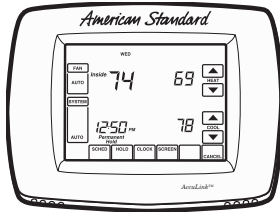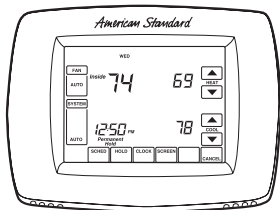


**ACONT900A**
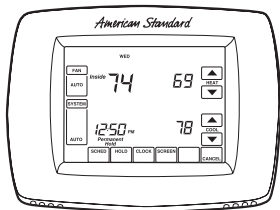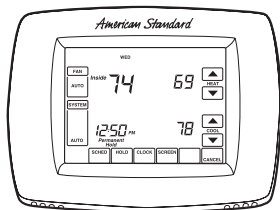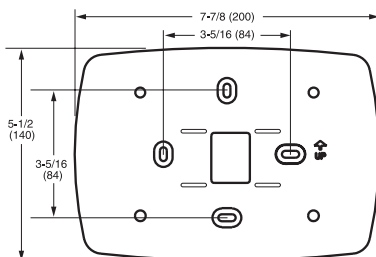
## ACONT900AC43UA - AccuLink™
- Communicating Programmable
- Interactive Touchscreen
- Continuous Comfort-R™
- Smart Continuous Fan
- Adjustable Continuous Fan, 25-100%
- Multiple Filter Reminders
- Humidity Sensor
- Dehumidification Control
- Window Frost Control
- Dual Fuel Compatible
- BAYCOVR600A - Wall cover plate
- Energy Saver

**Application:**
- 4 Heat/2 Cool (Gas, Oil or Electric)
- BAYTAM00AC00UA - Communicating Telephone Access module

**Dimensions:**
- 6.02" w x 4.62" h x 1.35" d
- Finish: Bright White



**ACONT800A**

## ACONT800AS11AA
- Interactive Touchscreen
- Effortless Programming
- Large, Backlit Display
- Streamlined Design
- Armchair Programming
- Real Time Clock
- Visual Reminder Cues
- BAYCOVR600A - Wall cover plate
- Energy Saver

**Application:**
- 1 Heat/1 Cool (Gas, Oil or Electric)
- 1 Heat/0 Cool (Gas, Oil or Electric)
- 0 Heat/1 Cool
- ZZSENSAL0800AA - Remote Indoor Temperature Sensor

**Dimensions:**
- 6.02" w x 4.62" h x 1.35" d
- Finish: Bright White



**ACONT802A**

## ACONT802AS32DA
- Interactive Touchscreen
- Effortless Programming
- Large, Backlit Display
- Streamlined Design
- Armchair Programming
- Real Time Clock
- Visual Reminder Cues
- BAYCOVR600A - Wall cover plate
- Energy Saver

**Application:**
- Up to 3 Heat/2 Cool (Gas, Oil or Electric)/HP
- ZZSENSAL0800AA - Remote Indoor Temperature Sensor

**Dimensions:**
- 6.02" w x 4.62" h x 1.35" d
- Finish: Bright White



**ACONT803A**

## ACONT803AS32DA
- Built-in Humidity Sensor
- Dehumidification Control
- Interactive Touchscreen
- Effortless Programming
- Large, Backlit Display
- Streamlined Design
- Armchair Programming
- Real Time Clock
- Visual Reminder Cues
- BAYCOVR600A - Wall cover plate
- Energy Saver

**Application:**
- Up to 3 Heat/2 Cool (Gas, Oil or Electric)/HP
- ZZSENSAL0800AA - Remote Indoor Temperature Sensor

**Dimensions:**
- 6.02" w x 4.62" h x 1.35" d
- Finish: Bright White

## BAYCOVR600A
**Application:**
- Use with ACONT800/900A Series Comfort Controls

**Dimensions:**
- 7.87" w x 5.50" h
- Finish: Bright White



**BAYCOVR600A**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

**Comfort Controls/Zone Sensors**

# Programmable 5/2 Day Comfort Controls
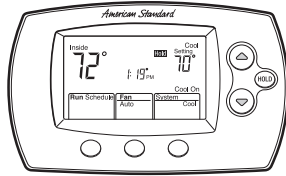
**ACONT600A**

## ACONT600AF11MA
- **1 Heat/1 Cool**
- 5/2 or 5/1/1 Programming
- Simple to Install and Use
- Front Wired (Wires attach to wall plates)
- Standard Wiring Terminal Block
- Easy to follow Sequential Programming
- Inside and set temperatures displayed simultaneously
- No auxiliary heat capability
- Plain language (no symbols)
- Easy battery access
- Easy to understand soft key controls
- BAYCOVR700A - Wall cover plate
- Energy Saver

**Application:**
- 1 stage heat pump, 0 stage Aux Heat
- 1 stage cool, 1 stage heat (Gas, electric, or oil)
- 1 stage cool, 0 stage heat
- 0 stage cool, 1 stage heat (Gas, electric, or oil)

**Dimensions:**
- 5.81" w x 3.56" h x 1.50" d
- Finish: Bright White
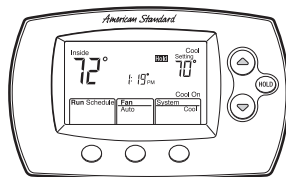
**ACONT602A**

## ACONT602AF22MA
- **2 Heat/2 Cool**
- 5/2 or 5/1/1 Programming
- Simple to Install and Use
- Front Wired (Wires attach to wall plates)
- Standard Wiring Terminal Block
- Easy to follow Sequential Programming
- Inside and set temperatures displayed simultaneously
- Plain language (no symbols)
- Easy battery access
- Easy to understand soft key controls
- BAYCOVR700A - Wall cover plate
- Energy Saver

**Application:**
- 1 stage cool, 1 stage heat
- 2 stage cool, 1 stage heat
- 1 stage cool, 2 stage heat
- 2 stage cool, 2 stage heat
- 1 stage cool, 0 stage heat
- 0 stage cool, 1 stage heat (Gas, electric, or oil)
- 1 stage heat pump, 0 stage Aux Heat
- 1 stage heat pump, 1 stage Aux Heat

**Dimensions:**
- 5.81" w x 3.56" h x 1.50" d
- Finish: Bright White

6-7/8 IN. (175 MM)

5 IN. (127 MM)
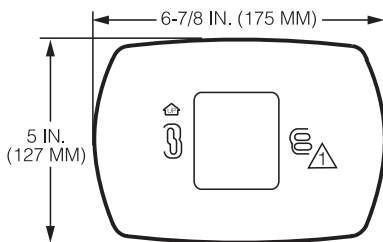
MEDIUM COVER PLATE

**BAYCOVR700A**

## BAYCOVR700A
**Application:**
- Use with ACONT600A/602A Series Comfort Controls

**Dimensions:**
- 6.87" w x 5.0" h
- Finish: Bright White

Comfort Controls/Zone Sensors

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CCZS-14

Effective 1/1/13
14-1011-29

# Non-Programmable Comfort Controls
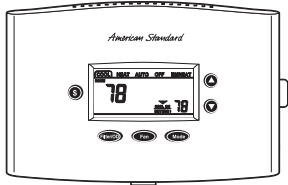
**ACONT402A**

## ACONT402AN32DA

- Auto Changeover
- Backlit Display & Keys
- Comfort Information Compartment
- Energy Savings Mode
- Filter Reminder
- BAYSEN01ATEMPAA-Outdoor Temperature Sensor included*
- Keypad Lock

**Application** (3-9 Wire Hookup -2 for Outdoor Sensor) Heat Pump* or A/C
- 3 Heat/2 Cool
- No external Dual Fuel Kit Required
- Do not use with TAYPLUS103A
- ZZSENSAL0400AA - Remote Indoor Temperature Sensor

**Dimensions:**
- 6.75" w  x 4.52" h x 1.20" d
- Finish: Bright White
- \* Requires external relay for oil furnace applications.
- \* Installation is required for outdoor temperature sensing and display
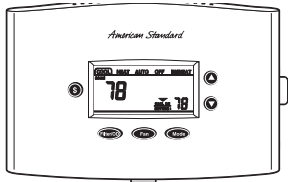
**ACONT401A**

## ACONT401AN21MA

- Auto Changeover
- Backlit Display & Keys
- Comfort Information Compartment
- Energy Savings Mode
- Filter Reminder
- Outdoor Temperature Sensor
- Keypad Lock

**Application** (3-9 Wire Hookup -2 for Outdoor Sensor) Heat Pump* or A/C
- 1 Stage Heat Pump**, 1 Stage Aux Heat
- 1 Stage Heat Pump**, 0 Stage Aux Heat
- 1 Stage Cool, 2 Stage Heat (Gas, Electric or Oil*)

- 1 Stage Cool, 1 Stage Heat (Gas, Electric or Oil*)
- 1 Stage Cool, 0 Stage Heat
- 0 Stage Cool, 2 Stage Heat (Gas, Electric or Oil*)
- 0 Stage Cool, 1 Stage Heat (Gas, Electric or Oil*)

**Dimensions:**
- 6.75" w  x 4.52" h x 1.20" d
- Finish: Bright White
- \* Requires external relay for oil furnace applications.
- \*\* **External TAYPLUS103A required for dual fuel applications.**
   BAYSEN01ATEMPA required for outdoor temperature sensing and display
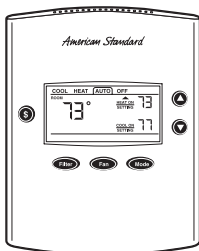
**ACONT200A**

## ACONT200AN11AA①

- Auto Changeover
- Backlit Display & Keys
- Comfort Information Compartment
- Energy Savings Mode
- Filter Reminder
- Key Pad Lock

**Application** (4 wire hookup - power stealing)*
- 1 Heat/1 Cool (Gas, Oil or electric)
- 1 Heat/0 Cool (Gas, Oil or electric)
- 0 Heat/1 Cool
- Finish: Bright White

**Dimensions:**
- 4.25" w x 5.33" h x 1.20" d

① Power Stealing 4 Wire - Resistor Terminal in Box. 4 - wire system to supply power with heating mode; both resistors must be installed for proper operation.

**Comfort Controls/Zone Sensors**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CCZS-15

Effective 1/1/13
14-1011-29

# Remote Sensors

**BAYSEN02ATEMPA**
- Outdoor Temperature Sensor for use with ACONT800, 802, 803
- Accuracy +/– 1°F from –40 to 120°F
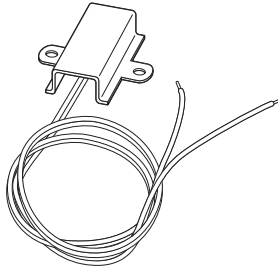
**BAYSEN01ATEMPA**
- Outdoor Temperature Sensor for use with AccuLink™ Platinum ZV Control, AccuLink™ Zoning and ACONT401A
- Accuracy
  +/– 1.5°F over 32°F to 100°F
- Display Range
  -40°F to 140°F
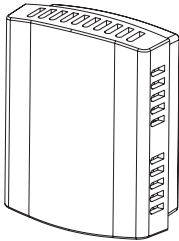
**ZZSENSAL0400AA**
- Indoor Sensor for use with AccuLink™ Platinum ZV Control, AccuLink™ Zoning and ACONT402A Comfort Controls
- Operating Ambient Temperature Range: 20° to 120°F (-6.7° to 48.9°C)
- Display Range: 20° to 120°F (-6.7° to 48.9°C)
- Sensor Accuracy: +/–.5°F at 75°F
- Operating Relative Humidity: 5% to 90% non-condensing

**Dimensions in in. (mm):**
- 1.54 (39)w x 1.93 (49)h x .625 (1.6)d
- Storage Temperature: -40° to 140°F (-40° to 60°C)
- Finish: White
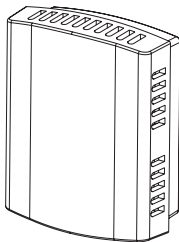
**ZZSENSAL0800AA**
- Indoor Temperature Sensor for use with ACONT800, 802, 803
- Operating Ambient Temperature Range: 20° to 120°F (-6.7° to 48.9°C)
- Display Range: 0 to 99°F (-18 to 37°C)
- Sensor Accuracy: +/–1.5°F at 70°F (+/–.84 at 21°C)
- Operating Relative Humidity: 5% to 95% non-condensing

**Dimensions in in. (mm):**
- 1.54 (39)w x 1.93 (49)h x .625 (1.6)d
- Storage Temperature: -40° to 140°F (-40° to 60°C)
- Finish: White

**Comfort Controls/Zone Sensors**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CCZS-16

Effective 1/1/13
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# Indoor Fan Delay Relay Kit

### BAY24X045

- For application to furnaces and air handlers with cooling coils equipped with capillary tube or 15% bleed expansion valve components.
- This kit allows the indoor fan to continue to run a short time after the outdoor unit shuts off for increased cooling efficiency.

- The kit contains: 1 solid state time delay relay with four (4) color coded wires, 1 wiring diagram, 1 notice label, 1 mounting screw.

① **WIRING DIAGRAM**

UNIT LOW VOLTAGE TERMINAL BOARD

| B | Y | R | 0 | T | W1 | G | W2 |

MODEL
BAY24X045

RED

BLUE
GREEN

WIRE CONNECTOR

BLACK

0
Y
G
T

ROOM THERMOSTAT

TIME DELAY RELAY

NOTES:
1. POWER WIRING AND GROUNDING OF EQUIPMENT MUST COMPLY WITH LOCAL CODES.
2. LOW VOLTAGE WIRING (24V.) TO BE NO.18 A.W.G. MINIMUM CONDUCTOR.
3. SOME UNITS HAVE THE TRANSFORMER COMMONLY INDENTIFIED AS "C" RATHER THAN "B" ON THE LOW VOLTAGE TERMINAL BOARD.

② **WIRING DIAGRAM**

Y
G

TYPICAL ROOM THERMOSTAT

RED      35A(RD)
GREEN    47A(BK)
BLUE     36B(BL)

BLACK

UNIT LOW VOLT WIRES SEE UNIT WIRING DIAGRAM

TIME DELAY RELAY BAY24X045

NOTES:
1. LOW VOLTAGE WIRING (24V.) TO BE NO. 18 A.W.G. MINIMUM CONDUCTOR.

# Outdoor Thermostat Kit

### TAYSTAT250B

- The outdoor thermostat (ODT) is designed to turn "ON" the supplementary heater at a pre-selected outdoor temperature.
- The number and setting of the ODT is dependent on the heat loss of the structure and capacity of the heating system installed.

- This model ODT gives a temperature range for 44°F. to -10°F. (See figure 1 for settings). The switching action is single pole/double throw, opening on temperature rise and closing on temperature fall, completing the circuit through the thermostat.

① **FACE --- CALIBRATIONS**

COLDER

Insert screw driver here

Temperature setting indicator

②

COLD (LEAD WIRE)

COMMON (LEAD WIRE)

3   2   1

WARM (DUMMY TERMINAL)

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CCZS-17

Effective 1/1/13
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Comfort Controls/Zone Sensors

American Standard
HEATING & AIR CONDITIONING

# Non-Programmable Comfort Controls for ReliaTel™ Units



**ASYSTAT095A**

### ASYSTAT095A
- One-touch temperature control.
- Large, clear, backlit display is easy to read, even in the dark.
- Displays both room temperature and temperature setting.
- Removable battery holder for fast, easy replacement.
- Built-in compressor protection.
- **Focus Pro 3 Heat/ 2 Cool**

PHASED OUT

# Programmable Comfort Controls for ReliaTel™ Units



**ASYSTAT090A**

### ASYSTAT090A
- Large, Clear Display with Backlighting — Current temperature, set temperature and time are easy-to-read and all are displayed on the main screen.
- Menu Driven Programming — Provides guidance through the scheduling process, showing only necessary information and choices on each screen.
- Ability to Select Multiple Days — Allows easy customizing for unique schedules.
- Real-Time Clock—Keeps time during power failure; automatically updates for daylight saving time.

- Armchair Programming — Can remove thermostat from wall to set the schedule.
- Precise Temperature Control (±1 °F) — reliable, consistent comfort.
- Multiple OVERRIDE options — Can modify schedule for a specific period of time (up to 365 days).
- Outdoor Temperature Indication — Displays current outdoor temperature to help plan outdoor activities.
- **2 Heat/2 Cool**

PHASED OUT
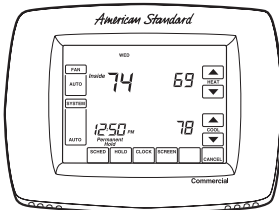


**ASYSTAT092A**

### ASYSTAT092A
- Large, Clear Display with Backlighting — Current temperature, set temperature and time are easy-to-read and all are displayed on the main screen.
- Menu Driven Programming — Provides guidance through the scheduling process, showing only necessary information and choices on each screen.
- Ability to Select Multiple Days — Allows easy customizing for unique schedules.
- Real-Time Clock — Keeps time during power failure; automatically updates for daylight savings.

- Armchair Programming — Can remove thermostat from wall to set the schedule. Precise Temperature Control (±1 °F) — reliable, consistent comfort.
- Multiple OVERRIDE options — Can modify schedule indefinitely or for a specific period of time.
- Programmable Fan — Increases indoor air quality when combined with air cleaning equipment.
- Outdoor Temperature Indication — Displays current outdoor temperature to help plan outdoor activities.
- **2 Heat/2 Cool Commercial Vision Pro**

PHASED OUT

**Comfort Controls/Zone Sensors**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CCZS-18

# Programmable Comfort Controls for ReliaTel™ Units

PHASED OUT

**ASYSTAT800A**

PHASED OUT
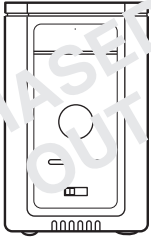
- Wall mounted remote space sensor
- For use with ASYSTAT090A, ASYSTAT092A, and ASYSTAT093A programmable thermostats

**ASYSTAT800A**

**Comfort Controls/Zone Sensors**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CCZS-19

Effective 1/1/13
14-1011-29

# Zone Sensor Unit Installation

The zone sensor provides the operator control and zone temperature sensing functions for use with electronic unit controls. Refer to the appropriate unit installation manual for interconnecting wiring instructions.

## ZONE SENSOR LOCATION

To ensure proper operation, select a location on an interior wall, at a height approximately 5 feet above the floor, with freely circulating air of average temperature.

### Avoid Locations:

• Behind doors or in corners where air does not freely circulate.

• On an outside wall or any wall with unheated (uncooled) areas behind the zone sensor.

• Where direct sunlight or any Source: of radiant heat could affect the temperature measurements.

• In line with the discharge air from the unit being controlled.

Mount the zone sensor base on the wall or optional mounting plate with the wires routed through the wire access hole in the base of the zone sensor.

## ZONE SENSOR CONTROLS

### Emergency Heat/Heat/Auto/Off/Cool

This switch determines whether the unit operates in emergency heat (EM. HEAT - for heat pumps only), heating (HEAT), automatically changing from heating to cooling as required (AUTO), heating and cooling functions disabled (OFF), or cooling (COOL).

### Fan Auto/Fan On

This switch determines whether the indoor fan operates during cooling and heating cycles only (FAN AUTO) or runs continuously (FAN ON).

### Temperature Adjustments

One or two temperature adjustment controls are provided to set the desired temperature or temperature range (for unit mode AUTO). If two controls are present, the blue control sets the desired temperature for cooling and the red control sets the desired temperature for heating.

### Temperature Indicator

This indicates the temperature in the zone. The indicator has been factory calibrated and should not normally require adjustment. If adjustment is needed, it can be accomplished by slowly rotating a small screwdriver in the slot on the back of the indicator until the correct temperature is obtained.

### Optional Remote Sensor

When using the optional remote sensor (BAYSENS077A), it should be located in the space that is to be controlled. Wire according to the interconnecting wiring diagrams in the unit IOM.

Installation: 18-HD60D41
Source: Clarksville

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CCZS-20

Effective 1/1/13
14-1011-29

# Micro Control Zone Sensors

**ASYSTAT106A**
**Manual Changeover**

- 4 wires required.
- Single Setpoint for 3-25 Tons Electric/Electric and Gas/Electric Systems
- Can be used with Remote Sensor (ASYSTAT669)

**ASYSTAT107A**
**Manual Changeover**

- 4-6 wires required.
- Single Setpoint for W- Heat Pump Systems (3-20 Tons)
- Can be used with Remote Sensor (ASYSTAT669)

**ASYSTAT108A**
**Automatic Changeover**

- 5 wires required.
- Dual Setpoint for Electric/Electric and Gas Electric Systems (3-25 Tons)
- Can be used with Remote Sensor (ASYSTAT669)

**ASYSTAT109A**
**Automatic Changeover**

- 5-7 wires required.
- Dual Setpoint for W- Heat Pump Systems (3-20 Tons)
- Can be used with Remote Sensor (ASYSTAT669)

**ASYSTAT709A/707A**
**LCD Digital**
**Display Zone Sensor**

PHASED OUT

- 3-7 wires required.
- Non-Programmable Zone Sensor with a digital display
- ASYSTAT709A - Cool/Gas
- ASYSTAT707A - Heat Pumps

Zone Sensors must be used with Micro Control units. Vendor Thermostats which use Triac outputs are not recommended with Micro Control units. Major features lost by using a Conventional Thermostat include the following:

- No diagnostics
- Proportional Integral control
- No smart recovery in the heating mode (heat pumps)
- 2-stage electric heat (heat pumps)
- Stand alone set up and set back for unoccupied features
- Intelligent fall back (unit can run on default value with outdoor air sensor)

- Control wiring size may be increased
- Remote sensing capability
- Space temperature averaging
- Supply air tempering
- Economizer preferred cooling is lost (compressor operation is locked out below 50°F)

**Comfort Controls/Zone Sensors**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CCZS-21

Effective 1/1/13
14-1011-29

## American Standard
### HEATING & AIR CONDITIONING

# Electronic Programmable Zone Sensors For ReliaTel™ Units

### ASYSTAT777A

- **Automatic or Manual Changeover with System Lights**
- Use With:
  3 – 10 Ton Precedent™ Units
  12.5 – 25 Ton Voyager™ Units
- Digital display indicating the time of day, the day of the week, room temperature, current program operating mode, and current active stage
- Continuous or 3 hour timed override
- Two occupied, two unoccupied programs per day
- L.C.D. readout in F or C (Celsius) and 12 or 24-hour clock
- Keyboard disable to prevent tampering

- Programming on a 7-day basis
- Status indication lights displayed in Digital Display
- Auxiliary relay (Form 1C)
- Auto Fan During Setback
- No Anticipator Required
- No Battery Required
- No accessories required. Each unit is complete and ready for installation
- Remote Room Sensor (ASYSTAT669)
- Finish:  Pantone Cool Gray #2C
- Replacement:  SEN-0415
- Installation:  18-HD60D29
- Source: Clarksville

# Integrated Comfort™ Systems Sensors For ReliaTel™ Units

### ASYSTAT669

- **Room Sensor**
- Used with Integrated Comfort™ Systems
- Used With:
  3 - 10 Ton Precedent™ Units
  12.5 - 25 Ton Voyager™ Units

- Finish: Pantone Cool Gray #2C
- Replacement: SEN01448
- Installation: Included with sensor
- Source: St. Paul GCC/Clarksville

**Comfort Controls/Zone Sensors**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

CCZS-22

Effective 1/1/13
14-1011-29
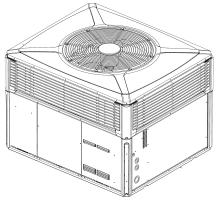
**4TCY4**
**Platinum ZM**

**Table PC-1-A — 4TCY4 - Platinum ZM (Previously Allegiance® 14) Convertible Packaged Cooling - R-410A**

| Model Number | Cooling Capacity (Btuh) | SEER/EER | Shipping Weight | MCA | Max Fuse | Sound Rating | Cabinet Dimensions (in.) H x D x W |
|---|---|---|---|---|---|---|---|
| **4TCY4 – 208-230/1/60** | | | | | | | |
| 4TCY4024A1000A | 23,400 | 14.00/12.00 | 444 | 16.5 | 25 | 68 | 36 x 43 x 51 |
| 4TCY4030A1000A | 30,000 | 14.00/12.00 | 444 | 19.1 | 30 | 71 | 36 x 43 x 51 |
| 4TCY4036B1000A | 38,000 | 14.20/12.00 | 450 | 24.6 | 40 | 69 | 36 x 43 x 51 |
| 4TCY4042B1000A | 42,000 | 14.25/12.00 | 607 | 31.6 | 50 | 74 | 38 x 46 x 61 |
| 4TCY4048B1000A | 48,000 | 14.20/12.00 | 607 | 35.4 | 50 | 72 | 38 x 46 x 61 |
| 4TCY4060A1000A | 60,000 | 14.00/12.00 | 612 | 42.3 | 60 | 76 | 42 x 46 x 61 |
| **4TCY4 – 208-230/3/60** | | | | | | | |
| 4TCY4036A3000A | 36,000 | 14.20/11.60 | 450 | 19.8 | 30 | 69 | 36 x 43 x 51 |
| 4TCY4048A3000A | 48,500 | 14.20/11.90 | 607 | 26.4 | 40 | 72 | 38 x 46 x 61 |
| 4TCY4060A3000A | 60,000 | 14.00/12.00 | 612 | 30.6 | 45 | 76 | 42 x 46 x 61 |
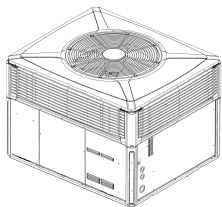
**4TCX3**
**Gold XM**

**Table PC-1-B — 4TCX3 - Gold XM (Previously Allegiance® 13) Convertible Packaged Cooling - R-410A**

| Model Number | Cooling Capacity (Btuh) | SEER/EER | Shipping Weight | MCA | Max Fuse | Sound Rating | Cabinet Dimensions (in.) H x D x W |
|---|---|---|---|---|---|---|---|
| **4TCX3 – 208-230/1/60** | | | | | | | |
| 4TCX3018A1000A | 18,000 | 13.00/11.00 | 444 | 10.1 | 15 | 69 | 36 x 43 x 51 |
| 4TCX3024A1000A | 24,000 | 13.00/11.20 | 444 | 13.6 | 20 | 70 | 36 x 43 x 51 |
| 4TCX3030A1000A | 29,600 | 13.00/11.00 | 445 | 21.7 | 35 | 72 | 36 x 43 x 51 |
| 4TCX3036A1000A | 36,000 | 13.00/11.00 | 450 | 23.2 | 35 | 72 | 36 x 43 x 51 |
| 4TCX3042B1000A | 42,000 | 13.00/11.00 | 523 | 27.9 | 45 | 72 | 38 x 46 x 61 |
| 4TCX3048A1000A | 46,500 | 13.00/11.00 | 607 | 31.1 | 50 | 72 | 38 x 46 x 61 |
| 4TCX3060A1000B | 60,000 | 13.00/11.00 | 610 | 43.5 | 60 | 72 | 40 x 46 x 61 |
| **4TCX3 – 208-230/3/60** | | | | | | | |
| 4TCX3036A3000A | 36,000 | 13.00/11.00 | 450 | 18.2 | 30 | 72 | 36 x 43 x 51 |
| 4TCX3048A3000B | 46,500 | 13.00/11.00 | 607 | 23.6 | 35 | 72 | 38 x 46 x 61 |
| 4TCX3060A3000B | 60,000 | 13.00/11.00 | 610 | 31.7 | 50 | 72 | 40 x 46 x 61 |
| **4TCX3 – 460/3/60** | | | | | | | |
| 4TCX3036A4000A | 36,000 | 13.00/11.00 | 450 | 8.7 | 15 | 72 | 36 x 43 x 51 |
| 4TCX3048A4000A | 46,500 | 13.00/11.00 | 607 | 11.7 | 15 | 72 | 38 x 46 x 61 |
| 4TCX3060A4000B | 60,000 | 13.00/11.00 | 610 | 19.5 | 25 | 72 | 40 x 46 x 61 |
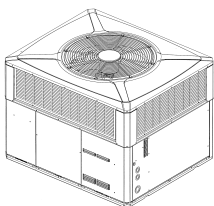
**4TCC3**
**Silver SI+**

**Table PC-1-C — 4TCC3 - Silver SI+ (Previously American Standard 13)**
**Convertible Packaged Cooling - R-410A**

| Model Number | Cooling Capacity (Btuh) | SEER/EER | Shipping Weight | MCA | Max Fuse | Sound Rating | Cabinet Dimensions (in.) H x D x W |
|---|---|---|---|---|---|---|---|
| **4TCC3 – 208-230/1/60** | | | | | | | |
| 4TCC3018A1000A | 18,000 | 13.00/11.00 | 444 | 10.1 | 15 | 74 | 36 x 42 x 49 |
| 4TCC3024A1000A | 23,000 | 13.00/11.00 | 444 | 13.6 | 20 | 76 | 36 x 42 x 49 |
| 4TCC3030A1000A | 28,000 | 13.00/10.40 | 445 | 21.7 | 35 | 75 | 36 x 42 x 49 |
| 4TCC3036A1000B | 35,000 | 13.00/11.00 | 450 | 23.2 | 35 | 76 | 36 x 42 x 49 |
| 4TCC3042B1000A | 40,000 | 13.00/11.00 | 523 | 27.9 | 45 | 78 | 38 x 45 x 59 |
| 4TCC3048A1000B | 46,500 | 13.00/11.00 | 607 | 31.1 | 50 | 80 | 38 x 45 x 59 |
| 4TCC3060A1000B | 58,000 | 13.00/11.00 | 610 | 43.5 | 60 | 79 | 40 x 45 x 59 |
| **4TCC3 – 208-230/3/60** | | | | | | | |
| 4TCC3036A3000B | 35,000 | 13.00/11.00 | 450 | 18.2 | 30 | 76 | 36 x 42 x 49 |
| 4TCC3048A3000B | 46,500 | 13.00/11.00 | 607 | 23.6 | 35 | 80 | 38 x 45 x 59 |
| 4TCC3060A3000B | 58,000 | 13.00/11.00 | 610 | 31.7 | 50 | 79 | 40 x 45 x 59 |
| **4TCC3 – 460/3/60** | | | | | | | |
| 4TCC3036A4000B | 35,000 | 13.00/11.00 | 450 | 8.7 | 15 | 76 | 36 x 42 x 49 |
| 4TCC3048A4000A | 46,500 | 13.00/11.00 | 607 | 11.7 | 15 | 80 | 38 x 45 x 59 |
| 4TCC3060A4000B | 58,000 | 13.00/11.00 | 610 | 19.5 | 25 | 79 | 40 x 45 x 59 |

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

PC-1

Effective 1/1/13
14-1011-29

**Packaged Cooling**

# Packaged Cooling
# Convertible 1½-5 Tons

| Table PC-2-A — Features | 4TCY4 2-5 | 4TCX3 1½-5 | 4TCC3 1½-5 |
|---|---|---|---|
| • SEER up to ........................................................................................................... | 14.25 | 13.20 | 13.00 |
| • Exclusive **Duration™** high efficiency compressor with internal overload protection........... | ✔ | ✔ | — |
| • Factory supplied charge......................................................................................... | R-410A | R-410A | R-410A |
| • Composite **Vortica®** indoor blower......................................................................... | ✔ | ✔ | ✔ |
| • High efficiency ECM indoor blower motor with **Comfort-R™** airflow system...................... | ✔ | — | — |
| • Direct drive multi-speed indoor blower motors.................................................................... | — | ✔ | ✔ |
| • All aluminum **Spine Fin™** outdoor coil ................................................................... | ✔ | ✔ | ✔ |
| • Swept-blade outdoor fan for quiet operation ....................................................................... | ✔ | ✔ | — |
| • Architecturally integrated louvers and corner guards.......................................................... | ✔ | ✔ | — |
| • All steel louvers ................................................................................................... | — | — | ✔ |
| • Cabinet constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint. .......................................................................... | ✔ | ✔ | ✔ |
| • Single stage cool................................................................................................... | ✔ | ✔ | ✔ |
| • Start kit - factory installed (single phase only) ................................................................... | 3 | 1½ & 2 | 1½ & 2 |
| • High pressure cutout............................................................................................... | ✔ | ✔ | ✔ |
| • Low pressure cutout................................................................................................ | 3-Phase Only | 3-Phase Only | 3-Phase Only |
| • Liquid line drier - factory installed ...................................................................................... | ✔ | ✔ | ✔ |
| • Non-bleed expansion valves on indoor coil......................................................................... | ✔ | ✔ | ✔ |
| • Pressure taps, including liquid line taps, easily accessed and protected inside compressor compartment ................................................................................... | ✔ | ✔ | ✔ |
| • Right side electrical service access for high and low voltage connections......................... | ✔ | ✔ | ✔ |
| • Rugged steel basepan features deep drawn duct connections ......................................... | ✔ | ✔ | ✔ |
| • Steeply sloped composite drainpan..................................................................................... | ✔ | ✔ | ✔ |
| • Ships in horizontal configuration and converts quickly for downflow ................................. | ✔ | ✔ | ✔ |
| • Copper tube, aluminum fin indoor coil ................................................................................ | ✔ | ✔ | ✔ |
| • All models are certified to UL 1995..................................................................................... | ✔ | ✔ | ✔ |
| • **10-year compressor, 10-year outdoor coil and all other functional parts registered limited warranty (Residential Use)**① ................................................ | ✔ | ✔ | ✔ |
| • **Extended warranties available** ......................................................................... | ✔ | ✔ | ✔ |

① Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

PC-2

Effective 1/1/13
14-1011-29

Packaged Cooling

**Table PC-3-A — Accessories**

| Model Number — Description | Shipping Weight | 4TCY4 2-5 | 4TCX3 1½-5 | 4TCC3 1½-5 |
|---|---|---|---|---|
| BAYACCDOR1A............. Hinged Filter Access Door⑪ ................................. | | 2-3 | 1½-3 | 1½-3 |
| BAYACCDOR2A............. Hinged Filter Access Door⑪ ................................. | | 3½-5 | 3½-5 | 3½-5 |
| BAYADAP050A............... Adapter Curb (Cabinet A/B) ................................. | | 2-3 | 1½-3 | 1½-3 |
| BAYADAP051A............... Adapter Curb (Cabinet C)..................................... | | 2-3 | 1½-3 | 1½-3 |
| BAYADAP052A............... Adapter Curb (Cabinet A/B) ................................. | | 3½-5 | 3½-5 | 3½-5 |
| BAYADAP053A............... Adapter Curb (Cabinet C)..................................... | | 3½-5 | 3½-5 | 3½-5 |
| BAYADAP054A............... Adapter Curb (Cabinet D)..................................... | | 3½-5 | 3½-5 | 3½-5 |
| BAYASCT001 ................. Anti-Short Cycle Timer④ .................................... | | ✔ | ✔ | ✔ |
| BAYCCHT101A............. Crankcase Heater (230V) (Reciprocating) ............. | | 2 | 1½-2 | 1½-2 |
| BAYCCHT102A............. Crankcase Heater (230V) (Scroll) ....................... | | 2½-5 | 2½-5 | 2½-5 |
| BAYCCHT404B............. Crankcase Heater (460V) (Scroll) ...................... | | 3,4,5 | 3,4,5 | 3,4,5 |
| BAYCOVR112A.............. 12" Duct Shourd (Covers Horizontal Ducts)⑤ ...... | | 2-5 | 1½-5 | 1½-5 |
| BAYCOVR118A.............. 18" Duct Shourd (Covers Horizontal Ducts)⑤ ...... | | 2-5 | 1½-5 | 1½-5 |
| BAYCURB050A.............. Flat Roof Full Perimeter Curb (Insulated) ........ | 74 | 2-3 | 1½-3 | 1½-3 |
| BAYCURB051A.............. Flat Roof Full Perimeter Curb (Insulated) ........ | 74 | 3½-5 | 3½-5 | 3½-5 |
| BAYDMPR101A ............. 2-Position Motorized Fresh Air Damper①⑥⑦⑧⑨ ... | | 2-3 | 1½-3 | 1½-3 |
| BAYDMPR102A ............. 2-Position Motorized Fresh Air Damper①⑥⑦⑧⑨ ... | | 3½-5 | 3½-5 | 3½-5 |
| BAYECON101A.............. Economizer with Barometric Relief (Downflow)①②③⑨⑩ ....... | 50 | 2-3 | 1½-3 | 1½-3 |
| BAYECON102A.............. Economizer with Barometric Relief (Downflow)①②③⑨⑩ ....... | 65 | 3½-5 | 3½-5 | 3½-5 |
| BAYECON200A.............. Economizer (Horizontal)①②③⑥ ........................ | 85 | 2-3 | 1½-3 | 1½-3 |
| BAYECON201A.............. Economizer (Horizontal)①②③⑥........................... | 85 | 3½-5 | 3½-5 | 3½-5 |
| BAYECON204A.............. Economizer (Horizontal)①②③⑥........................... | 85 | 2-5 | 1½-5 | 1½-5 |
| BAYECONCOMB101B... BAYECON101A, door, and filter kit ...................... | | 2-3 | 1½-3 | 1½-3 |
| BAYECONCOMB102B... BAYECON102A, door, and filter kit ...................... | | 3½-5 | 3½-5 | 3½-5 |
| BAYENTH001A ............. Enthalpy Control Kit② ....................................... | 2 | ✔ | ✔ | ✔ |
| BAYEXMK001A.............. Extreme Conditions Mounting Kit (Used on BAYCURB & BAYADAP)........................... | | ✔ | ✔ | ✔ |
| BAYEXMK002B.............. Extreme Conditions Mounting Kit (Used on BAYUTIL) ...... | | ✔ | ✔ | ✔ |
| BAYEXMK003A.............. Extreme Conditions Mounting Kit (Used on Slab Mounts)........ | | ✔ | ✔ | ✔ |
| BAYFLTR101C .............. 1-2" Filter Frame (requires one 20x25 filter which is not included)① ................................ | 6 | 2-3 | 1½-3 | 1½-3 |
| BAYFLTR201C .............. 1-2" Filter Frame (requires one 20x20 and one 20x18 filter which are not included)① .............. | 6 | 3½-5 | 3½-5 | 3½-5 |
| BAYLIFT002B................. Lifting Lug Kit ................................................ | 5 | ✔ | ✔ | ✔ |
| BAYLOAM011A............. Evaporator Defrost Control Kit ........................... | | ✔ | ✔ | ✔ |
| BAYLOAM105A............. Low Ambient Control Kit................................... | 5 | ✔ | ✔ | ✔ |
| BAYOSAH001A ............. Manual Fresh Air Damper① ............................... | 6 | 2-3 | 1½-3 | 1½-3 |
| BAYOSAH002A ............. Manual Fresh Air Damper① ............................... | 8 | 3½-5 | 3½-5 | 3½-5 |
| BAYQSTK300A .............. Start Kit ....................................................... | | 1 Phase Only | 1 Phase Only | 1 Phase Only |
| BAYSQRD001A.............. 16" Round Duct Adapter⑩ ............................... | 5 | 2-3 | 1½-3 | 1½-3 |
| BAYSQRD002A.............. 18" Round Duct Adapter⑩ ............................... | 3 | 2-5 | 1½-5 | 1½-5 |
| BAYUTIL101B ................ Roof Curb Utility Extension Kit ........................ | | 2-3 | 1½-3 | 1½-3 |
| BAYUTIL102B ................ Roof Curb Utility Extension Kit ........................ | | 3½-5 | 3½-5 | 3½-5 |
| BAYUV101A .................. 21" Retrofit UVC Lamp Kit................................ | 5 | 1½-3 | 1½-3 | 1½-3 |
| BAYUV102A .................. 33" Retrofit UVC Lamp Kit................................ | 5 | 3½-5 | 3½-5 | 3½-5 |

① Must use filter frame when economizer/fresh air kit is used.
② Dry bulb control standard with economizer.
③ 2-Stage cooling control required when using economizer.
④ Do not use with electronic thermostats.
⑤ BAYCOVR112,118A will not cover BAYSQRD002A applications.
⑥ Does not contain barometric relief.
⑦ Max fresh air - 25%.
⑧ For non-continuous fan gas-heating applications, the damper opens only when the OD ambient is above 50° F.
⑨ It is the designer/engineer's responsibility to review product specifications prior to equipment selection to insure optimal performance and compliance to codes.
⑩ Temperature of mixed air entering the heat exchanger is monitored and fresh air intake may be reduced under certain conditions.
⑪ BAYACCDOR1A requires BAYFLTR101B & BAYACCDOR2A requires BAYFLTR201B. They are not backward compatible to BAYFLTR101/201A.

| EXISTING CURB | NEW UNIT 4TC/WC/YC****A | USE BAYADAP0**A |
|---|---|---|
| BAYCURB030,38A | 018-036 | 50 |
| BAYCURB030,38A | 042-060 | 52 |
| BAYCURB033A | 018-036 | 51 |
| BAYCURB033A | 018-060 | 53 |
| BAYCURB034A | 042-060 | 54 |

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

**Table PC-4-A — Supplementary Heaters – Separate power source /power entry required**

| Model Number | Description | Used With | Shipping Weight |
|---|---|---|---|
| BAYHTRV105E | 3.76/5.0 kW Heater (208/240V 1PH) | 4TC*3018-060A1,4024-060^1 | 9 |
| BAYHTRV108E | 6.0/8.0 kW Heater (208/240V 1PH) | 4TC*3018-060A1,4024-060^1 | 10 |
| BAYHTRV110E | 7.50/10.0 kW Heater (208/240V 1PH) | 4TC*3024-060A1,4024-060^1 | 10 |
| BAYHTRV115E | 11.27/15.00 kW Heater (208/240V 1PH) | 4TC*3030-060A1,4036-060^1 | 14 |
| BAYHTRV120E | 15.00/20.0 kW Heater (208/240V 1PH) | 4TC*3048-060A1,4048-060^1 | 14 |
| BAYHTRV125E | 18.78/25.0 kW Heater (208/240V 1PH) | 4TC*3060A1,4048-060^1 | 21 |
| BAYHTRV305E | 3.76/5.0 kW Heater (208/240V 3PH) | 4TC*3018-060A3,4036-060A3 | 9 |
| BAYHTRV308E | 6.0/8.0 kW Heater (208/240V 3PH) | 4TC*3018-060A3,4036-060A3 | 10 |
| BAYHTRV310E | 7.50/10.0 kW Heater (208/240V 3PH) | 4TC*3024-060A3,4036-060A3 | 10 |
| BAYHTRV315E | 11.27/15.00 kW Heater (208/240V 3PH) | 4TC*3030-060A3,4036-060A3 | 14 |
| BAYHTRV320E | 15.0/20.0 kW Heater (208/240V 3PH) | 4TC*3048-060A3,4048-060A3 | 14 |
| BAYHTRV325E | 18.78/25.0 kW Heater (208/240V 3PH) | 4TC*3060A3,4048-060A3 | 20 |
| BAYHTRV405E | 5.0 kW Heater (480V 3PH) | 4TC*3018-060A4 | 9 |
| BAYHTRV408E | 8.0 kW Heater (480V 3PH) | 4TC*3018-060A4 | 10 |
| BAYHTRV410E | 10.0 kW Heater (480V 3PH) | 4TC*3024-060A4 | 10 |
| BAYHTRV415E | 15.00 kW Heater (480V 3PH) | 4TC*3030-060A4 | 14 |
| BAYHTRV420E | 20.0 kW Heater (480V 3PH) | 4TC*3048-060A4 | 14 |
| BAYHTRV425E | 25.0 kW Heater (480V 3PH) | 4TC*3060A4 | 16 |

**Table PC-4-B — Single Power Entry Kit/Heater Matrix:**

| Single Power Entry Kit① | Heater Model | Unit Model | Shipping Weight |
|---|---|---|---|
| BAYSPEK060F | BAYHTRV105E | 4TC*3018-048A1,4TCY4024-048^1 | 3 |
|  | BAYHTRV108E | 4TC*3018-048A1,4TCY4024-060^1 |  |
|  | BAYHTRV110E | 4TC*3024-036A1,4TCY4024-036^1 |  |
| BAYSPEK061E | BAYHTRV305E | 4TC*3036-060A3,4TCY4036-060A3 | 7 |
|  | BAYHTRV308E | 4TC*3036-060A3,4TCY4036-060A3 |  |
|  | BAYHTRV310E | 4TC*3036-048A3,4TCY4036-048A3 |  |
|  | BAYHTRV315E | 4TC*3036-060A3,4TCY4036-048A3 |  |
|  | BAYHTRV405E | 4TC*3036-060A4 |  |
|  | BAYHTRV408E | 4TC*3036-060A4 |  |
|  | BAYHTRV410E | 4TC*3036-060A4 |  |
|  | BAYHTRV415E | 4TC*3036-060A4 |  |
|  | BAYHTRV420E | 4TC*3048-060A4 |  |
| BAYSPEK062F | BAYHTRV105E | 4TC*3060^1 | 7 |
|  | BAYHTRV108E | 4TC*3060^1 |  |
|  | BAYHTRV110E | 4TC*3060^1,4TCY4036-060^1 |  |
| BAYSPEK063F | BAYHTRV115E | 4TC*3030-060A1,4TCY4036-060^1 | 7 |
|  | BAYHTRV120E | 4TC*3048-060A1,4TCY4048-060^1 |  |
| BAYSPEK064E | BAYHTRV320E | 4TC*3048-060A3,4TCY4048-060A3 | 6 |

① All necessary fuses are included in kit; however, not all kits require fuses. Please refer to BAYSPEK Installers Guide.
Note: Replace "*" with "C" or "X" as appropriate.

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

**Packaged Cooling**

# Packaged Cooling
# Convertible 3-10 Tons

Beveled Top
Smoother Design
Small compact cabinet
Recessed access handles

## Standard Features:
• American Standard Heating & Air Conditioning scroll compressors on all 3-10 ton units
• Colored and numbered wiring
• Phase Monitor, R-410A 3 Phase Units
• Provisions for through the Base Condensate Drain Connections
• 2" throwaway filters provided on all ton units
• Liquid Line Refrigerant Drier
• Operating Charge of R-410A
• IAQ Sloped Drain Pans
• Single point power for Electric Heat
• Low Ambient to 40°F on Electromechanical models
• Low Ambient to 0°F on ReliaTel™ models
• 5 - year Limited Compressor Warranty
• 1 - year Limited Parts Warranty

## Added Flexibility
• Electromechanical or ReliaTel™ controls **(See page PC-17 for ReliaTel™ Control Information)**
• Standard or high efficiency cooling models available. 17+ available in 3T to 5T. For reference to 17+ please refer to publications RT-PRC048-EN and RT-SLB020-EN
• Convertible airflow (ships in downflow application)
• Fork lift openings on three sides of unit
• Direct or belt drive - standard or oversized motors (Direct for 3-5 ton only)
• We don't prepackage options
• Choose options tailored to suit each job —pay only for what is needed
• Units ship with options installed —and within our standard ship cycle time

## Factory Installed Options
• Through-the-Base — Electrical
• Convenience Outlet — Powered or unpowered
• Unit Disconnect Switch
• Smoke Detectors — Supply, return, or both
• Condenser Coil Coating
• Hinged Access Service Panels
• Discharge Air Sensor
• Fan Fail and Clogged Filter Switches
• Condenser Coil Guard — Hail Protection Quality
• Dehumidification Hot Gas Reheat Coil
• Frostat
• Novar Controls
• Comm 3/4 Communications Interface
• 2" Pleated Media filters
• 2" MERV 8 filters or 2" MERV 13 filters
• Multi-Speed & Single Zone VAV ID Airflow
• Demand Control Ventilation
• Stainless Steel Drainpan
• Condensate Drainpan Overflow Switch

**The same American Standard Heating & Air Conditioning Quality and Reliability … with added Flexibility!**

**Packaged Cooling**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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**Table PC-6-A — 17 Plus - R-410A - ReliaTel™ Controls Only**

| Tons | Unit Ordering No. | Performance SEER/EER | Cooling Capacity (Btuh) | Cabinet Dimensions (in.) H x W x L | Downflow Supply | Downflow Return | Shipping Weight (lbs.) | MCA** | Max Fuse** |
|---|---|---|---|---|---|---|---|---|---|
| **THC - 208-230/3/60 - Three Phase - No Heat** | | | | | | | | | |
| 3 | THC037E3R0A0000 | 17.5 | 36,500 | 36 x 44 x 69 | 18 x 15.5 | 24 x 14 | 614 | 23.3 | 30 |
| 4 | THC047E3R0A0000 | 17.5 | 50,500 | 41 x 53 x 88 | 33 x 17.5 | 33 x 17.5 | 787 | 29.4 | 40 |
| 5 | THC067E3R0A0000 | 17.2 | 60,000 | 41 x 53 x 88 | 33 x 17.5 | 33 x 17.5 | 841 | 32.2 | 45 |
| **THC - 460/3/60 - Three Phase - No Heat** | | | | | | | | | |
| 3 | THC037E4R0A0000 | 17.5 | 36,500 | 36 x 44 x 69 | 18 x 15.5 | 24 x 14 | 614 | 11.4 | 15 |
| 4 | THC047E4R0A0000 | 17.5 | 50,500 | 41 x 53 x 88 | 33 x 17.5 | 33 x 17.5 | 787 | 13.7 | 20 |
| 5 | THC067E4R0A0000 | 17.2 | 60,000 | 41 x 53 x 88 | 33 x 17.5 | 33 x 17.5 | 841 | 15.2 | 20 |

**Table PC-6-B — Base Unit — 15 SEER High Efficiency — R-410A — Electromechanical or ReliaTel™**

| Tons | Unit Ordering No. | Performance② SEER/EER | Cooling Capacity (Btuh) | Cabinet Dimensions (in.) H x W x L | Downflow Supply | Downflow Return | Shipping Weight (lbs.) | MCA** | Max① Fuse** |
|---|---|---|---|---|---|---|---|---|---|
| **THC – 208-230/1/60 – Single Phase – No Heat** | | | | | | | | | |
| 3 | THC036E1*0A0000 | 15.2 | 38,490 | 36 x 44 x 69 | 16 x 15.5 | 24 x 14 | 555 | 26.7 | 40 |
| 4 | THC048E1*0A0000 | 15.0 | 48,930 | 41 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 798 | 35.7 | 50 |
| 5 | THC060E1*0A0000 | 15.0 | 62,480 | 41 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 823 | 43.8 | 70 |
| **THC – 208/3/60 – Three Phase – No Heat** | | | | | | | | | |
| 3 | THC036E3*0A0000 | 15.0 | 38,490 | 36 x 44 x 69 | 16 x 15.5 | 24 x 14 | 555 | 21.9 | 30 |
| 4 | THC048E3*0A0000 | 15.0 | 49,930 | 41 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 637 | 28.3 | 40 |
| 5 | THC060E3*0A0000 | 15.0 | 63,490 | 41 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 869 | 32.1 | 45 |
| **THC – 460/3/60 – Three Phase – No Heat** | | | | | | | | | |
| 3 | THC036E4*0A0000 | 15.0 | 38,490 | 36 x 44 x 69 | 16 x 15.5 | 24 x 14 | 555 | 10.2 | 15 |
| 4 | THC048E4*0A0000 | 15.0 | 49,830 | 41 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 637 | 13.8 | 20 |
| 5 | THC060E4*0A0000 | 15.0 | 63,480 | 41 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 869 | 17.0 | 25 |

**Table PC-6-C — Base Unit — Standard Efficiency — R-410A — Electromechanical or ReliaTel™**

| Tons | Unit Ordering No. | Performance SEER/EER | Cooling Capacity (Btuh) | Cabinet Dimensions (in.) H x W x L | Downflow Supply | Downflow Return | Shipping Weight (lbs.) | MCA** | Max Fuse** |
|---|---|---|---|---|---|---|---|---|---|
| **TSC – 208-230/1/60 – Single Phase – No Heat** | | | | | | | | | |
| 3 | TSC036E1*0A0000 | 13.0 | 35,620 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 555 | 27.2 | 40 |
| 4 | TSC048E1*0A0000 | 13.0 | 49,210 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 586 | 35.2 | 50 |
| 5 | TSC060E1*0A0000 | 13.0 | 59,900 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 636 | 43.8 | 70 |
| **TSC – 208-230/3/60 – Three Phase – No Heat** | | | | | | | | | |
| 3 | TSC036E3*0A0000 | 13.0 | 37,150 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 555 | 23.0 | 35 |
| 4 | TSC048E3*0A0000 | 13.0 | 49,450 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 586 | 25.2 | 35 |
| 5 | TSC060E3*0A0000 | 13.0 | 62,270 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 636 | 29.5 | 45 |
| **TSC – 460/3/60 – Three Phase – No Heat** | | | | | | | | | |
| 3 | TSC036E4*0A0000 | 13.0 | 37,150 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 555 | 11.7 | 15 |
| 4 | TSC048E4*0A0000 | 13.0 | 49,450 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 586 | 12.5 | 15 |
| 5 | TSC060E4*0A0000 | 13.0 | 62,270 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 636 | 15.5 | 25 |
| **TSC – 575/3/60 – Three Phase – No Heat** | | | | | | | | | |
| 3 | TSC036EW*0A0000 | 13.0 | 37,150 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 555 | 9.4 | 15 |
| 4 | TSC048EW*0A0000 | 13.0 | 49,450 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 586 | 9.0 | 15 |
| 5 | TSC060EW*0A0000 | 13.0 | 62,270 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 636 | 10.1 | 15 |

① HACR breaker per NEC.
② SEER applies, 3-5 tons; EER applies 6-10 tons.
\* Digit 9 - E = Electromechanical or R = ReliaTel™.
\*\* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
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**Table PC-7-A — Base Unit — High Efficiency — R-410A — Electromechanical or ReliaTel™**

| Tons | Unit Ordering No. | Performance EER | Cooling Capacity (Btuh) | Cabinet Dimensions (in.) H x W x L | Downflow Supply | Downflow Return | Shipping Weight (lbs.) | MCA** | Max① Fuse** |
|---|---|---|---|---|---|---|---|---|---|
| **THC – 208-230/3/60 – Three Phase  High Efficiency** | | | | | | | | | |
| 6 | THC072E3*0A0000 | 12.6 | 72,000 | 47 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 997 | 33.9 | 50 |
| 7½ | THC092F3*0A0000 | 12.6 | 92,000 | 47 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 1026 | 41.9 | 50 |
| 8½ | THC102E3*0A0000 | 13.0 | 103,000 | 51 x 63 x 100 | 32.25 x 19.25 | 32.25 x 16.75 | 1553 | 44.7 | 60 |
| 10 | THC120E3*0A0000 | 12.5 | 119,000 | 51 x 63 x 100 | 32.25 x 19.25 | 32.25 x 16.75 | 1563 | 50.3 | 60 |
| **THC – 460/3/60 – Three Phase** | | | | | | | | | |
| 6 | THC072E4*0A0000 | 12.6 | 72,000 | 47 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 997 | 16.3 | 25 |
| 7½ | THC092F4*0A0000 | 12.6 | 92,000 | 47 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 1026 | 19.9 | 25 |
| 8½ | THC102E4*0A0000 | 13.0 | 103,000 | 51 x 63 x 100 | 32.25 x 19.25 | 32.25 x 16.75 | 1553 | 22.9 | 30 |
| 10 | THC120E4*0A0000 | 12.5 | 119,000 | 51 x 63 x 100 | 32.25 x 19.25 | 32.25 x 16.75 | 1563 | 24.9 | 30 |

**Table PC-7-B — Base Unit — Standard Efficiency — R-410A — Electromechanical or ReliaTel™**

| Tons | Unit Ordering No. | Performance SEER/EER | Cooling Capacity (Btuh) | Cabinet Dimensions (in.) H x W x L | Downflow Supply | Downflow Return | Shipping Weight (lbs.) | MCA** | Max Fuse** |
|---|---|---|---|---|---|---|---|---|---|
| **TSC – 208-230/3/60 – Three Phase – No Heat** | | | | | | | | | |
| 6 | TSC072E3*0A0000 | 11.2 | 75,000 | 42 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 898 | 36.5 | 50 |
| 7¹/₂ | TSC090E3*0A0000 | 11.2 | 89,000 | 42 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 815 | 38.2 | 60 |
| 7¹/₂ | TSC092E3*0A0000 | 11.2 | 94,000 | 46 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 1009 | 41.2 | 50 |
| 8¹/₂ | TSC102E3*0A0000 | 11.2 | 102,000 | 46 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 1048 | 46.3 | 60 |
| 10 | TSC120F3*0A0000 | 11.3 | 119,000 | 46 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 1058 | 49.6 | 60 |
| **TSC – 460/3/60 – Three Phase – No Heat** | | | | | | | | | |
| 6 | TSC072E4*0A0000 | 11.2 | 75,000 | 42 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 898 | 18.2 | 25 |
| 7¹/₂ | TSC090E4*0A0000 | 11.2 | 89,000 | 42 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 815 | 19.5 | 30 |
| 7¹/₂ | TSC092E4*0A0000 | 11.2 | 94,000 | 46 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 1009 | 21.5 | 25 |
| 8¹/₂ | TSC102E4*0A0000 | 11.2 | 102,000 | 46 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 1048 | 21.9 | 25 |
| 10 | TSC120F4*0A0000 | 11.3 | 119,000 | 46 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 1058 | 22.7 | 35 |
| **TSC – 575/3/60 – Three Phase – No Heat** | | | | | | | | | |
| 6 | TSC072EW*0A0000 | 11.2 | 75,000 | 42 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 898 | 12.7 | 20 |
| 7¹/₂ | TSC090EW*0A0000 | 11.2 | 89,000 | 42 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 815 | 14.7 | 20 |
| 7¹/₂ | TSC092EW*0A0000 | 11.2 | 94,000 | 46 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 1009 | 15.0 | 20 |
| 8¹/₂ | TSC102EW*0A0000 | 11.2 | 102,000 | 46 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 1048 | 17.5 | 20 |
| 10 | TSC120FW*0A0000 | 11.3 | 119,000 | 46 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 1058 | 18.9 | 25 |

① HACR breaker per NEC.
\* Digit 9-E=Electromechanical or R=ReliaTel™.
\*\* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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**Packaged Cooling**

| Digit | Description | Order Number |
|---|---|---|
| 1-8 | **Main Assembly (see previous page)** | |
| 9 | **Unit Controls** | |
| | Electro-Mechanical | E |
| | ReliaTel™ Micro-processor | R |
| 10 | **(See Heater Table below)** | |
| 11 | **Minor Design Sequence** | |
| | First Sequence | A |
| 12-13 | **Service Sequence** | |
| | First Sequence (Factory Supplied) | *,* |
| 14 | **Fresh Air Selection** | |
| | No Fresh Air | 0 |
| | 0-50% Manual Outside Air Damper[10] | A |
| | 0-50% Motorized Outside Air Damper | B |
| | 0-100% Economizer, Dry Bulb without Barometric Relief [2] | C |
| | 0-100% Economizer, Dry Bulb with Barometric Relief[2] | D |
| | 0-100% Economizer, Reference Enthalpy without Barometric Relief[1][2] | E |
| | 0-100%Economizer, Reference Enthalpy with Barometric Relief[1][2] | F |
| | 0-100%Economizer, Comparative Enthalpy without Barometric Relief [1][2] | G |
| | 0-100%Economizer, Comparative Enthalpy with Barometric Relief [1][2] | H |
| 15 | **Supply Fan/Drive Type/Motor** | |
| | Standard Drive | 0 |
| | Oversized Motor | 1 |
| | Optional Belt Drive Motor (3 phase only) | 2 |
| 16 | **Hinged Service Access & Filters** | |
| | Standard Panels & Filters | 0 |
| | Hinged Access Panels & Standard Filters | A |
| | Standard Panels & 2" Pleated Filters MERV 8 | B |
| | Hinged Access Panels & 2" Pleated Filters MERV 8 | C |
| | Standard Panels/2" MERV 13 Filters | D |
| | High Access Panels/2" MERV 13 Filters | E |
| 17 | **Condenser Coil Protection** | |
| | Standard Coil | 0 |
| | Standard Coil with Hail Guard | 1 |
| | Black Epoxy Pre-Coated Condenser Coil | 2 |
| | Black Epoxy Pre-Coated Condenser Coil with Hail Guard | 3 |
| | Complete Coat™ Condenser Coil | 4 |
| | Complete Coat™ Condenser Coil with Hail Guard | 5 |
| 18 | **Through the Base Provisions** | |
| | No Through the Base Provisions | 0 |
| | Through the Base Electric[11] | A |
| 19 | **Disconnect/Circuit Breaker /Phase Monitor (3 phase only)** | |
| | No Disconnect/ Circuit Breaker | 0 |
| | Unit Mounted Non-Fused Disconnect[11] | 1 |
| | Unit Mounted Circuit Breaker[11] | 2 |
| 20 | **Convenience Outlet** | |
| | No Convenience Outlet | 0 |
| | Unpowered Convenience Outlet | A |
| | Powered Convenience Outlet (3 phase only)[3] | B |

| Digit | Description | Order Number |
|---|---|---|
| 21 | **Communications Options[12]** | |
| | No Communications Interface | 0 |
| | Comm 3/4 Communications Interface | 1 |
| | Novar 2024 Controls | 3 |
| | Novar 3051 Controls | 4 |
| 22 | **Refrigeration System Option** | |
| | Standard Refrigeration System | 0 |
| | Dehumidification (Hot Gas Reheat Coil) | B |
| 23 | **Refrigeration Controls** | |
| | No Refrigeration Control | 0 |
| | Frostat[4] | 2 |
| 24 | **Smoke Detector[5][12]** | |
| | No Smoke Detector | 0 |
| | Return Air Smoke Detector[6][7] | A |
| | Supply Air Smoke Detector | B |
| | Supply and Return Air Smoke Detectors[6][7] | C |
| 25 | **Monitoring Controls[12]** | |
| | No Monitoring Control[8] | 0 |
| | Clogged Filter Switch[8] | 1 |
| | Fan Failure Switch[8] | 2 |
| | Discharge Air Sensing Tube[8] | 3 |
| | Clogged Filter Switch and Fan Fail Switch[8] | 4 |
| | Clogged Filter Switch and Discharge Air Sensing Tube[8] | 5 |
| | Fan Fail Switch and Discharge Air Sensing Tube[8] | 6 |
| | Clogged Filter and Fan Fail Switches and Discharge Air Sensing Tube[8] | 7 |
| | Novar Return Air Sensor[9] | 8 |
| | Novar 3051 Zone Sensor[13] | 9 |
| | Condensate Drain Pan Overflow Switch | A |
| | Clogged Filter Switch[8] and Condensate Drain Pan Overflow Switch | B |
| | Fan Failure Switch[8] and Condensate Drain Pan Overflow Switch | C |
| | Discharge Air Sensing[8] and Condensate Drain Pan Overflow Switch | D |
| | Clogged Filter Switch[8], Fan Failure Switch[8] and Condensate Drain Pan Overflow Switch | E |
| | Clogged Filter Switch[8], Discharge Air Sensing Tube[8] and Condensate Drain Pan Overflow Switch | F |
| | Fan Failure Switch, Discharge Air SensingTube[8] and Condensate Drain Pan Overflow Switch | G |
| | Clogged Filter Switch[8], Fan Failure Switch[8], Discharge Air Sensing[8] and Condensate Drain Pan Overflow Switch | H |
| 26 | **System Monitoring Controls** | |
| | No Monitoring Controls | 0 |
| | Demand Control Ventilation (CO$_2$)[14][15] | A |
| 27 | **Unit Hardware Enhancements** | |
| | No Enhancements | 0 |
| | Stainless Steel Drain Pan | 1 |

[1] Enthalpy control not available factory installed with electro-mechanical controls.
[2] Economizer with Barometric Relief is for downfllow configured units only. Order Economizer without Barometric Relief for horizontal configuration. Barometric relief for horizontal configured units must be ordered as field installed accessory BAYBARM010A.
[3] Requires use of Disconnect or Circuit Breaker.
[4] Frostat cannot be field installed in electro-mechanical units.
[5] Not available with BAYFRST001A High Temperature Stat accessory.
[6] The return air smoke detector may not fit up or work properly on the Convertible units when used in conjunction with 3rd party accessories such as bolt on heat wheels, economizers and power exhaust. Do not order the return air smoke detectors when using this type of accessory.
[7] Return Air Smoke Detector cannot be ordered with Novar Controls.
[8] These options are standard when ordering Novar Controls.
[9] This options for use when ordering Novar Control only.
[10] The manual outside air damper will ship factory supplied within the unit, but must be field installed.
[11] Through the base electric required when ordering disconnect/circuit breaker options.
[12] Not available with electro-mechanical unit controls.
[13] Novar Sensor utilized with digit 21 = (4) Novar 3051 Controls without Zone Sensor.
[14] Available for T/Y 10 ton standard efficiency models only.

[15] Available for T/Y 3, 4, 5, 6, 7½, 8½ ton standard/high efficiency models only.
[16] Requires selection of 2" Pleated Filters (option B or C) for Digit 16.
[17] Not available on 6 ton units and all single phase or standard efficiency.
[18] Standard on T/YSC 6, 7½ (single and dual systems), 8½, 10 ton standard efficiency models and T/YHC 4, 5, 6, 7½ ton high efficiency models (except for dehumidification models).
[19] Epoxy coil and epoxy with hailguard options are not available for units with microchannel condenser coil.
[20] Single ZoneVAV is only available on 7.5-10 ton high efficiency and 10 ton standard efficiency products with ReliaTel™ controls.
[21] Multi-speed indoor fan available only on 7.5 & 8.5 ton high efficiency, and 10 ton products with ReliaTel™ controls.
[22] Motorized Outside Air Damper is not available on Multi-Speed or SZVAV (Single Zone Variable Air Volume) products.
[23] Frostat standard on Multi-Speed and SZVAV (Single Zone Variable Air Volume) products.
[24] Novar is not available with SZVAV products.
[25] Demand Control Ventilation not available with electromechanical controls.
[26] Demand Control Ventilation Option includes wiring only. The CO$_2$ sensor is a field-installed only option.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Effective 1/1/13
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**Heaters (Digit 10)**

| kW Rating | Digit | Nominal BTUH | No. Stages | Used With | kW Rating | Digit | Nominal BTUH | No. Stages | Used With |
|---|---|---|---|---|---|---|---|---|---|
| **208/240/1/60** | | | | | **460/3/60** | | | | |
| 3.7/5.0 | (A) | 12,800/17,100 | 1 | T*C036-060*1 | 6.0 | (B) | 20,500 | 1 | T*C036-060*4 |
| 7.5/10.0 | (D) | 25,600/34,100 | 2 | T*C036-060*1 | 12.0 | (E) | 41,000 | 2 | T*C036-060*4 |
| 10.3/13.8 | (F) | 35,300/47,100 | 2 | T*C036-060*1 | 17.6 | (G) | 59,400 | 2 | T*C036-060*4 |
| 13.2/17.6 | (G) | 45,100/60,100 | 2 | T*C048-060*1 | 23.0 | (J) | 78,500 | 2 | T*C060*4 |
| **208/240/3/60** | | | | | 9.0 | (C) | 30,700 | 1 | T*C072-102,*4 |
| 4.5/6.0 | (B) | 13,400/20,500 | 1 | T*C036-060*3 | 18.0 | (G) | 61,400 | 1 | T*C072-120*4 |
| 9.0/12.0 | (E) | 30,800/59,400 | 2 | T*C036-060*3 | 27.0 | (K) | 92,100 | 2 | T*C072-120*4 |
| 13.2/17.6 | (G) | 44,600/59,400 | 2 | T*C036-060*3 | 36.0 | (N) | 122,900 | 2 | T*C072-120*4 |
| 17.2/23.0 | (J) | 58,900/78,500 | 2 | T*C060*3 | 54.0 | (P) | 184,300 | 2 | T*C120*4 |
| 6.75/9.0 | (C) | 23,000/30,700 | 1 | T*C072-102*3 | **575/3/60** | | | | |
| 13.5/18.0 | (G) | 46,100/61,400 | 1 | T*C072-120*3 | 6.0 | (B) | 20,500 | 1 | T*C036-060*W |
| 20.3/27.0 | (K) | 69,000/92,100 | 2 | T*C072-120*3 | 12.0 | (E) | 41,000 | 2 | T*C036-060*W |
| 27.0/36.0 | (N) | 92,200/122,900 | 2 | T*C072-120*3 | 17.6 | (G) | 59,400 | 2 | T*C036-060*W |
| 40.5/54.0 | (P) | 138,200/184,300 | 2 | T*C120*3 | 23.0 | (J) | 78,500 | 2 | T*C060*W |
| | | | | | 9.0 | (C) | 30,700 | 1 | T*C072-102*W |
| | | | | | 18.0 | (G) | 61,400 | 1 | T*C072-120*W |
| | | | | | 27.0 | (K) | 92,100 | 2 | T*C072-120*W |
| | | | | | 36.0 | (N) | 122,900 | 2 | T*C072-120*W |
| | | | | | 54.0 | (P) | 184,300 | 2 | T*C120*W |

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

**Packaged Cooling**

**Table PC-10-A — Accessory Electric Heaters – Unit with heater is single circuit / single point power entry**

| Model Number | Power Supply | kW Rating | Nominal BTUH | No. Stages | Used With |
|---|---|---|---|---|---|
| BAYHTRE105A | 208-230/1/60 | 3.8/5.0 | 12,900/13,400 | 1 | T*C036E1,TSC048-060E1 |
| BAYHTRE110A | 208-230/1/60 | 7.5/10.0 | 25,600/34,000 | 2 | T*C036E1,TSC048-060E1 |
| BAYHTRE114A | 208-230/1/60 | 10.4/13.8 | 35,000/47,100 | 2 | T*C036E1,TSC048-060E1 |
| BAYHTRE118A | 208-230/1/60 | 13.2/17.6 | 45,100/60,100 | 2 | TSC048-060E1 |
| | | | | | |
| BAYHTRE306B | 208-230/3/60 | 4.5/6.0 | 13,400/20,500 | 1 | T*C036E3,TSC048-060E3, THC037E3 |
| BAYHTRE312B | 208-230/3/60 | 9.0/12.0 | 30,800/41,000 | 2 | T*C036E3,TSC048-060E3, THC037E3 |
| BAYHTRE318B | 208-230/3/60 | 13.0/17.4 | 44,600/59,400 | 2 | T*C036E3,TSC048-060E3, THC037E3 |
| BAYHTRE323B | 208-230/3/60 | 17.3/23.0 | 44,600/59,400 | 2 | TSC060E3 |
| | | | | | |
| BAYHTRE406B | 460/3/60 | 6.0 | 20,500 | 1 | T*C036E4,TSC048-060E4, THC037E4 |
| BAYHTRE412B | 460/3/60 | 12.0 | 41,000 | 2 | T*C036E4,TSC048-060E4, THC037E4 |
| BAYHTRE418B | 460/3/60 | 17.4 | 59,400 | 2 | T*C036E4,TSC048-060E4, THC037E4 |
| BAYHTRE423B | 460/3/60 | 17.3/23.0 | 59,400 | 2 | TSC060E4 |
| | | | | | |
| BAYHTREW06B | 575/3/60 | 6.0 | 20,500 | 1 | T*C036EW,TSC048-060EW |
| BAYHTREW12B | 575/3/60 | 12.0 | 41,000 | 2 | T*C036EW,TSC048-060EW |
| BAYHTREW18B | 575/3/60 | 17.4 | 59,400 | 2 | T*C036EW,TSC048-060EW |
| BAYHTREW23B | 575/3/60 | 17.3/23.0 | 59,400 | 2 | TSC060EW |
| | | | | | |
| BAYHTRX105A | 208-230/1/60 | 3.8/5.0 | 12,900/13,400 | 1 | THC048-060E1 |
| BAYHTRX110A | 208-230/1/60 | 7.5/10.0 | 25,600/34,000 | 2 | THC048-060E1 |
| BAYHTRX114A | 208-230/1/60 | 10.4/13.8 | 35,000/47,100 | 2 | THC048-060E1 |
| BAYHTRX118A | 208-230/1/60 | 13.2/17.6 | 45,100/60,100 | 2 | THC048-060E1 |
| | | | | | |
| BAYHTRX306B | 208-230/1/60 | 4.5/6.0 | 13,400/20,500 | 1 | THC048-060E3, THC047E3, THC067E3 |
| BAYHTRX312B | 208-230/3/60 | 9.0/12.0 | 30,800/41,000 | 2 | THC048-060E3, THC047E3, THC067E3 |
| BAYHTRX318B | 208-230/3/60 | 13.0/17.4 | 44,600/59,400 | 2 | THC048-060E3, THC047E3, THC067E3 |
| BAYHTRX323B | 208-230/3/60 | 17.3/23.0 | 59,000/78,500 | 2 | THC060E3 |
| | | | | | |
| BAYHTRX406B | 460/3/60 | 6.0 | 20,500 | 1 | THC048-060E4, THC047E4, THC067E4 |
| BAYHTRX412B | 460/3/60 | 12.0 | 41,000 | 2 | THC048-060E4, THC047E4, THC067E4 |
| BAYHTRX418B | 460/3/60 | 18.0 | 59,400 | 2 | THC048-060E4, THC047E4, THC067E4 |
| BAYHTRX423B | 460/3/60 | 23.0 | 78,500 | 2 | THC060E4, THC067E4 |

**Packaged Cooling**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

**Table PC-11-A — Accessory Electric Heaters – Unit with heater is single circuit / single point power entry**

| Model Number | Power Supply | kW Rating | Nominal BTUH | No. Stages | Used With |
|---|---|---|---|---|---|
| BAYHTRS309B | 208-230/3/60 | 6.75/9.0 | 23,000/30,700 | 1 | TSC072E3 |
| BAYHTRS318B | 208-230/3/60 | 13.5/18.0 | 46,100/61,400 | 2 | TSC072E3 |
| BAYHTRS327B | 208-230/3/60 | 20.3/27.0 | 69,000/92,100 | 2 | TSC072E3 |
| BAYHTRS336B | 208-230/3/60 | 27.0/36.0 | 92,200/122,900 | 2 | TSC072E3 |
| BAYHTRW309A | 208-230/3/60 | 6.75/9.0 | 23,000/30,700 | 1 | TSC090E3 |
| BAYHTRW318A | 208-230/3/60 | 13.5/18.0 | 46,100/61,400 | 1 | TSC090E3 |
| BAYHTRW327A | 208-230/3/60 | 20.3/27.0 | 69,000/92,100 | 2 | TSC090E3 |
| BAYHTRW336A | 208-230/3/60 | 27.0/36.0 | 92,200/122,900 | 2 | TSC090E3 |
| BAYHTRT309B | 208-230/3/60 | 6.75/9.0 | 23,000/30,700 | 1 | TSC092E3, TSC102E3 |
| BAYHTRT318B | 208-230/3/60 | 13.5/18.0 | 46,100/61,400 | 2 | TSC092E3, TSC102E3 |
| BAYHTRT327B | 208-230/3/60 | 20.3/27.0 | 69,000/92,100 | 2 | TSC092E3, TSC102E3 |
| BAYHTRT336B | 208-230/3/60 | 27.0/36.0 | 92,200/122,900 | 2 | TSC092E3, TSC102E3 |
| BAYHTRA318A | 208-230/3/60 | 13.5/18 | 46,100/61,400 | 1 | TSC120F3 |
| BAYHTRA327A | 208-230/3/60 | 20.3/27 | 69,000/92,100 | 2 | TSC120F3 |
| BAYHTRA336A | 208-230/3/60 | 27/36 | 92,200/122,900 | 2 | TSC120F3 |
| BAYHTRA354A | 208-230/3/60 | 40.5/54 | 138,200/184,300 | 2 | TSC120F3 |
| BAYHTRS409B | 460/3/60 | 9.0 | 30,700 | 1 | TSC072E4 |
| BAYHTRS418B | 460/3/60 | 18.0 | 61,400 | 2 | TSC072E4 |
| BAYHTRS427B | 460/3/60 | 27.0 | 92,100 | 2 | TSC072E4 |
| BAYHTRS436B | 460/3/60 | 36.0 | 122,900 | 2 | TSC072E4 |
| BAYHTRW409A | 460/3/60 | 9 | 30,700 | 1 | TSC090E4 |
| BAYHTRW418A | 460/3/60 | 18 | 61,400 | 1 | TSC090E4 |
| BAYHTRW427A | 460/3/60 | 27 | 92,100 | 2 | TSC090E4 |
| BAYHTRW436A | 460/3/60 | 36 | 122,900 | 2 | TSC090E4 |
| BAYHTRT409B | 460/3/60 | 9.0 | 30,700 | 1 | TSC092E4, TSC102E4 |
| BAYHTRT418B | 460/3/60 | 18.0 | 61,400 | 2 | TSC092E4, TSC102E4 |
| BAYHTRT427B | 460/3/60 | 27.0 | 92,100 | 2 | TSC092E4, TSC102E4 |
| BAYHTRT436B | 460/3/60 | 36.0 | 122,900 | 2 | TSC092E4, TSC102E4 |
| BAYHTRA418A | 460/3/60 | 18 | 61,400 | 1 | TSC120F4**B |
| BAYHTRA427A | 460/3/60 | 27 | 92,100 | 2 | TSC120F4**B |
| BAYHTRA436A | 460/3/60 | 36 | 122,900 | 2 | TSC120F4**B |
| BAYHTRA454A | 460/3/60 | 54 | 184,300 | 2 | TSC120F4**B |

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

**Table PC-12-A — Accessory Electric Heaters – Unit with heater is single circuit / single point power entry**

| Model Number | Power Supply | kW Rating | Nominal BTUH | No. Stages | Used With |
|---|---|---|---|---|---|
| BAYHTRSW09B | 575/3/60 | 9.0 | 30,700 | 1 | TSC072EW |
| BAYHTRSW18B | 575/3/60 | 18.0 | 61,400 | 2 | TSC072EW |
| BAYHTRSW27B | 575/3/60 | 27.0 | 92,100 | 2 | TSC072EW |
| BAYHTRSW36B | 575/3/60 | 36.0 | 122,900 | 2 | TSC072EW |
| | | | | | |
| BAYHTRWW18A | 575/3/60 | 18 | 61,400 | 1 | TSC090EW |
| BAYHTRWW27A | 575/3/60 | 27 | 92,100 | 2 | TSC090EW |
| BAYHTRWW36A | 575/3/60 | 36 | 122,900 | 2 | TSC090EW |
| | | | | | |
| BAYHTRTW18B | 575/3/60 | 18.0 | 61,400 | 2 | TSC092EW, TSC102EW |
| BAYHTRTW27B | 575/3/60 | 27.0 | 92,100 | 2 | TSC092EW, TSC102EW |
| BAYHTRTW36B | 575/3/60 | 36.0 | 122,900 | 2 | TSC092EW, TSC102EW |
| | | | | | |
| BAYHTRAW18A | 575/3/60 | 18 | 61,400 | 1 | TSC120FW |
| BAYHTRAW36A | 575/3/60 | 36 | 122,900 | 2 | TSC120FW |
| BAYHTRAW54A | 575/3/60 | 54 | 184,300 | 2 | TSC120FW |
| | | | | | |
| BAYHTRU309A | 208-230/3/60 | 6.8/9.0 | 23,000/30,700 | 1 | THC072E3 |
| BAYHTRU318A | 208-230/3/60 | 13.5/18.0 | 46,100/61,400 | 1 | THC072E3 |
| BAYHTRU327A | 208-230/3/60 | 20.3/27.0 | 69,000/92,100 | 2 | THC072E3 |
| BAYHTRU336A | 208-230/3/60 | 27.0/36.0 | 92,100/122,900 | 2 | THC072E3 |

**Packaged Cooling**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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**Table PC-13-A — Accessory Electric Heaters – Unit with heater is single circuit / single point power entry**

| Model Number | Power Supply | kW Rating | Nominal BTUH | No. Stages | Used With |
|---|---|---|---|---|---|
| BAYHTRA309A | 208-230/3/60 | 9.0 | 30,700 | 1 | THC092F3 |
| BAYHTRA318A | 208-230/3/60 | 18.0 | 61,400 | 1 | THC092F3 |
| BAYHTRA327A | 208-230/3/60 | 27.0 | 92,100 | 2 | THC092F3 |
| BAYHTRA336A | 208-230/3/60 | 36.0 | 122,900 | 2 | THC092F3 |
| | | | | | |
| BAYHTRA409A | 460/3/60 | 9.0 | 30,700 | 1 | THC092F4 |
| BAYHTRA418A | 460/3/60 | 18.0 | 61,400 | 1 | THC092F4 |
| BAYHTRA427A | 460/3/60 | 27.0 | 92,100 | 2 | THC092F4 |
| BAYHTRA436A | 460/3/60 | 36.0 | 122,900 | 2 | THC092F4 |
| | | | | | |
| BAYHTRD309A | 208-230/3/60 | 6.8/9.0 | 23,000/30,700 | 1 | THC102E3 |
| BAYHTRD318A | 208-230/3/60 | 13.5/18.0 | 46,100/61,400 | 1 | THC102E3,THC120E3 |
| BAYHTRD327A | 208-230/3/60 | 20.3/27.0 | 69,000/92,100 | 2 | THC102E3,THC120E3 |
| BAYHTRD336A | 208-230/3/60 | 27.0/36.0 | 92,100/122,900 | 2 | THC102E3,THC120E3 |
| BAYHTRD354A | 208-230/3/60 | 40.6/54.0 | 138,000/184,300 | 2 | THC120E3 |
| | | | | | |
| BAYHTRU409A | 460/3/60 | 9.0 | 30,700 | 1 | THC072E4 |
| BAYHTRU418A | 460/3/60 | 18.0 | 61,400 | 1 | THC072E4 |
| BAYHTRU427A | 460/3/60 | 27.0 | 92,100 | 2 | THC072E4 |
| BAYHTRU436A | 460/3/60 | 36.0 | 122,900 | 2 | THC072E4 |
| | | | | | |
| BAYHTRD409A | 460/3/60 | 9.0 | 30,700 | 1 | THC102E4 |
| BAYHTRD418A | 460/3/60 | 18.0 | 61,400 | 1 | THC102E4,THC120E4 |
| BAYHTRD427A | 460/3/60 | 27.0 | 92,100 | 2 | THC102E4,THC120E4 |
| BAYHTRD436A | 460/3/60 | 36.0 | 122,900 | 2 | THC102E4,THC120E4 |
| BAYHTRD454A | 460/3/60 | 54.0 | 184,300 | 2 | THC120E4 |

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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**Packaged Cooling**

**Table PC-14-A — Accessories**

| Model Number | Description | Used With |
|---|---|---|
| BAYABRD001C | ReliaTel™ Options Module | All T*036-120E (ReliaTel™) See Note[5] |
| BAYASCT001[6][7]* | Anti-Short-Cycle Timer | All T*036-120E (Electro Mechanical) |
| BAYBARM010A[4] | Barometric Relief | THC036-060E, THC036E |
| BAYBARM011A[4] | Barometric Relief | TSC072-102E, THC092F, TSC120F, THC048E-120E |
| BAYBCIR001A | Bacnet™ Communication Interface | ReliaTel™ Controller (BCI-R) |
| BAYCCHT010B | Crankcase Heater | TSC036-048E1, 3 |
| BAYCCHT011B | Crankcase Heater | TSC036-048E4, W |
| BAYCCHT017A | Crankcase Heater | TSC060E1, 3 |
| BAYCCHT018A | Crankcase Heater | TSC060E4, EW |
| ASYSTAT712B[3][8] | $CO_2$ Sensor Kit, Wall Mounted | All T*036-120E (ReliaTel™) |
| ASYSTAT714B[3][8] | $CO_2$ Sensor Kit, Duct Mounted | All T*036-120E (ReliaTel™) |
| BAYCURB042A[2] | Roof Curb | THC036E, TSC036E-060E |
| BAYCURB043A[2] | Roof Curb | THC048E-072E, TSC072-102E, THC092F, TSC120F |
| BAYCURB044A | Roof Curb | THC102E-120E |
| BAYDFPS003B[3][5] | Clogged Filter Switch | All T*036-120E (ReliaTel™) |
| BAYDFPS004A[3][5] | Fan Failure Switch | All T*036-120E (ReliaTel™) |
| BAYDFPS014A | Clogged Filter Switch (w/MERV 13 Filter) | All T*036-120E (ReliaTel™) |
| BAYDMPR053B[9] | 0-50% Manual Outside Air Damper | THC036E, TSC036E-060E |
| BAYDMPR056B[9] | 0-50% Manual Outside Air Damper | THC048E-120E, TSC072-102E, TSC120F |
| BAYDMPR051A[3] | 0-50% Motorized Outside Air Damper | THC036E_R, TSC036-060E_R (ReliaTel™) |
| BAYDMPR052A[6] | 0-50% Motorized Outside Air Damper | THC036E_E, TSC036E-060E_E (Electro Mechanical) |
| BAYDMPR054A[3] | 0-50% Motorized Outside Air Damper | THC048-120E_R, TSC072-120F_R (ReliaTel™) |
| BAYDMPR055A[6] | 0-50% Motorized Outside Air Damper | THC048-120E_E, TSC072-120F_E (Electro Mechanical) |
| BAYECON085A[3] | 0-100% Dry Bulb Economizer without Barometric Relief | THC036E_R, TSC036E-060E_R (ReliaTel™) |
| BAYECON086A[6] | 0-100% Dry Bulb Economizer without Barometric Relief | THC036E_E, TSC036E-060E_E (Electro Mechanical) |
| BAYECON087A[3] | 0-100% Dry Bulb Economizer without Barometric Relief | THC048-120*_R, TSC072*-120_R (ReliaTel™) |
| BAYECON088A[6] | 0-100% Dry Bulb Economizer without Barometric Relief | THC048-120*_E, TSC072*-120_E (Electro Mechanical) |
| BAYENTH005A[1][3] | Reference Enthalpy Kit | BAYECON085A, 087A |
| BAYENTH006B[1][3] | Comparative Enthalpy Kit | BAYECON085A, 087A |
| BAYENTH001A | Enthalpy Control (Solid State) | BAYECON0086A, 088A |
| BAYFRST003A[3][6] | High Temperature Stat | All T*036-120E |

[1] Kits contain all necessary parts to achieve desired level of enthalpy control.
[2] Lynn Haven Manufacturing has a No-Return policy for this roof curb.
[3] For use with ReliaTel™ controlled units only.
[4] Barometric Relief accessory installs in ductwork for horizontal configuration. For downflow configuration, installs in the unit's horizontal return duct. See Installer's Guide for complete instructions.
[5] BAYABRD001C is required when ordering field installed accessories Clogged Filter Switch (BAYDFPS003A), Fan Fail Switch (BAYDFPS004A), Discharge Air Sensing Kit (BAYTUBE004A) or Evaporator Defrost Control (Frostat) (BAYLOAM020B) Ventilation Override Kit (BAYVNOR001B) unless the following options are factory installed: Frostat, Smoke Detector, Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing Kit. These factory installed options include the ReliaTel™ Options Module.
[6] For use with electromechanical controlled units only.
[7] Activated on Power On.
[8] Field installed accessory requires economizer.
[9] The manual outside air damper will ship factory supplied within the unit, but must be field installed.

**Packaged Cooling**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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### Table PC-15-A — Accessories

| Model Number | Description | Used With |
|---|---|---|
| BAYGARD037B | Condenser Coil Hail Guard | TSC036-060E, THC036E |
| BAYGARD040A | Condenser Coil Hail Guard | THC048-060E,TSC072E-090E |
| BAYGARD041A | Condenser Coil Hail Guard | TSC092E, TSC102E, THC072E |
| BAYGARD070A | Condenser Coil Hail Guard | THC102E, THC120E |
| BAYGARD141A | Condenser Coil Hail Guard | TSC120F, THC092F |
| BAYHSDR012A | High Static Drive Kit | THC072E |
| BAYHSMT082A | 2 HP Oversized Motor Kit (208-230/460V) | TSC072E3, 4 |
| BAYHSMT083A | 2 HP Oversized Motor Kit (575V) | TSC072EW |
| BAYHSMT086A | 3 HP Oversized Motor Kit (208-230/460V) | TSC090E-102E3, 4 |
| BAYHSMT087A | 3 HP Oversized Motor Kit (575V) | TSC090E-102EW |
| BAYHSMT402A | 2 HP Oversized Motor Kit | THC072E3, 4 |
| BAYKSKT255B | Start Kit | TSC036E1-060E1 |
| BAYLMSW001A[10] | Power Exhaust Limit Switch | All T*036-120E, R |
| BAYLOAM020B[1][3][4] | Evaporator Defrost Control (Frostat) | All T*036-120E, R (ReliaTel™) |
| BAYLSDR006B | Low Static Drive Kit: 3-5T High Efficiency | THC036E-060E |
| BAYLSDR009A | Low Static Drive Kit | TSC092-102E, THC072E |
| BAYPWRX026A[6] | Power Exhaust (208-230/3 VAC) | TSC072-102E3, TSC120F3, THC072E3, THC092F3, THC102E3, TCH120E3 |
| BAYPWRX027A[6] | Power Exhaust (460/3 VAC) | TSC072-102E4, TSC120F4, THC072E4, THC092F4, THC102E4, TCH120E4 |
| BAYPWRX028A[6] | Power Exhaust (575/3 VAC) | TSC072-102EW, TSC120FW |
| BAYPWRX070A[6] | Power Exhaust (208-230/3 VAC) | TSC036-060E3, TCH036-THC060E3, THC037E3, THC047E3, THC067E3 |
| BAYPWRX071A[6] | Power Exhaust (460/3 VAC) | TSC036-060E4, TCH036-THC060E4, THC037E4, THC047E4, THC067E4 |
| BAYPWRX072A[6] | Power Exhaust (575/3 VAC) | TSC036-060EW |
| BAYQACB009A[2][5] | Quick Adapt Roof Curb | TSC036-060E, THC036E, THC037E |
| BAYQACB010A[2][5] | Quick Adapt Roof Curb | TSC036-060E, THC036E, THC037E |
| BAYQACB011A[2][7] | Quick Adapt Roof Curb | TSC072-102E, TSC120F, THC048-072E, THC047E, THC067E |
| BAYQACB012A[2][7] | Quick Adapt Roof Curb | TSC072-102E, TSC120F, THC048-072E, THC047E, THC067E |
| BAYQACB013A[2][7] | Quick Adapt Roof Curb | TSC072-102E, TSC120F, THC048-072E, THC047E, THC067E |
| BAYRTEM001A[11] | Fully Featured ReliaTel™ Economizer Logic Model | All T*036-120E, R |
| BAYSTAT023[3] | Remote Potentiometer | All T*036-120E, R |
| BAYSERV001A[3] | Selective Resistance Service Tester | All T*036-120E, R |
| BAYSENS016A[3] | Temperature Sensor | All T*036-120E, R |
| BAYSENS250A[3][12] | $CO_2$ Duct Mounted, Sensor Only | All T*036-120E, R (ReliaTel™) |
| BAYSENS251A[3][12] | $CO_2$ Wall Mounted, Sensor Only | All T*036-120E, R (ReliaTel™) |
| BAYTUBE005A | Discharge Air Sensing Kit | TSC036-060E*R, THC036-037E*R |
| BAYTUBE007A | Discharge Air Sensing Kit | TSC072-102E*R, THC047E-072E*R |
| BAYTUBE401A | Discharge Air Sensing Kit | TSC120F*R, THC092F*R |
| BAYTUBE403A | Discharge Air Sensing Kit | TSC102-120E*R |
| BAYVNOR001B[3][4][9] | Ventilation Override Kit w/ReliaTel™ options module | All T*036-120E, R |

[1] For ReliaTel™ microprocessor controlled units only. Must be factory installed for electromechanical controlled units.
[2] Lynn Haven Manufacturing has a No-Return policy for this roof curb.
[3] For use with ReliaTel™ controlled units only.
[4] BAYABRD001C is required when ordering field installed accessories Clogged Filter Switch (BAYDFPS003A), Fan Fail Switch (BAYDFPS004A), Discharge Air Sensing Kit (BAYTUBE004A) or Evaporator Defrost Control (Frostat) (BAYLOAM020B) Ventilation Override Kit (BAYVNOR001B) unless the following options are factory installed: Frostat, Smoke Detector, Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing Kit. These factory installed options include the ReliaTel™ Options Module.
[5] BAYQACB009A adapts YCD units BAYCURB021B to accept T*C3-5 ton unit. BAYQACB010A adapts YCD units BAYCURB022B to accept T*C unit.
[6] Cannot be used in conjunction with Barometric Relief. Order Economizer without Barometric Relief.
[7] BAYQACB012A adapts YCD units BAYCURB025A to accept T*C 6-10 ton unit. BAYQACB013A adapts YCD units BAYCURB026A to accept T*C 6-10 ton unit.
[8] Interface allows a unit with ReliaTel™ Controls to communicate with Tracer 100, Tracker, VariTrac II, and is the preferred method of communication to Tracer Summit.
[9] Field installed accessory requires economizer.
[10] When ordering a field installed power exhaust on a unit with electromechanical controls, BAYLMSW001A must be ordered.
[11] If any version of comparative or reference enthalpy is ordered, BAYRTEM001A does not need to be ordered.
[12] Order only when unit has factory installed Demand Control Ventilation option.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

**Alternating Lead/Lag – Dual Compressor Models Only** — During periods of part load operation, each compressor cycles alternately as circuit number one, equalizing compressor wear and run time. Enabled by cutting the wire (BLUE) at (RTRM) junction number J3-8. **Standard**

**Anti Short Cycle Timer (ASCT) Function** — Provides a three (3) minute minimum "ON" time and a three (3) minute minimum "OFF" time for compressors, enhances compressor reliability by ensuring proper oil return. **Standard**

**Built In Evaporator Defrost Control (EDC) Function** — Provides low ambient cooling down to 0°F. **Standard**

**Built In Fan Delay Relay (FDR) Function** — Provides custom indoor fan timing sequences for the different types of equipment, enhancing efficiency and reliability. **Standard**

**Built In Night Set Back and Unoccupied Functions**[1] — When using a standard dual setpoint/auto change over Zone Sensor Module (ZSM), this function is enabled by applying a short across terminal J6-11 and J6-12. Sets cooling setpoint up a minimum of 7°F, sets heating setpoint back a minimum of 7°F, forces outside air damper (if present) minimum position to zero, and forces fan operation to automatic. **Accessory (requires time clock accessory or field supplied/installed switch or contacts).**

**Built In "TEST" Mode** — Aids in quick verification of system and control operation, exercises both hardware and software (no special tools required). **Standard**

**Built In Unoccupied Mode**[1] — When using a standard single setpoint/manual change over Zone Sensor Module (ZSM), this function is enabled by applying a short across terminal J6-11 and J6-12. Forces outside air damper (if present) minimum position to zero, forces fan operation to automatic. **Accessory (requires time clock accessory or field supplied/installed switch or contacts).**

**Direct Digital Control (DDC)**[1] — Proportional Integral (PI) control. Proportional – sets corrective action proportional to deviation from setpoint. Integral – fine tunes the rate of corrective action proportional to the error (results in superior space temperature control). **Standard**

**Economizer Preferred Cooling**[1] — Provides fully integrated operation if required. Will not turn on a compressor with the economizer, if the space is recovering adequately with the economizer alone (0.2°F/minute). Allows the equipment to be utilized in more varied applications. **Standard with economizer accessory.**

**Emergency Stop Terminals On Low Voltage Terminal Board (LTB-5 and LTB-6)** — Provides a convenient point to disable the equipment completely, and immediately. Still provides communication to BAS. **Standard**

**Heat Pump Smart Recovery and Smart Staging**[1] — Inhibits auxiliary heat operation if the space is recovering adequately (0.1°F/minute) with the heat pump alone, providing considerable savings in operating costs. **Standard**

**Heat Pump Soft Start** — Provides a smooth transition into heating after defrost, minimizing noise and compressor stress associated with switch over. **Standard**

**Increased Reliability** — Fewer components (moving electro-mechanical parts), less likelihood of equipment down time or failure. **Standard**

**Integral Electric Heat Staging**[1] — Stages electric heaters "OFF" and "ON", eliminating the use of outdated sequencers. **Standard**

**Intelligent Fallback**[1] — A built in Default Control provides adaptive operation, which allows the equipment to continue to operate, providing comfort in the event of certain component failures. Also, allows emergency operation without a Zone Sensor Module (ZSM). **Standard**

**Low Ambient Start Timer (LAST) Function** — Bypasses low pressure control when a compressor starts, eliminating nuisance compressor lock outs. **Standard**

**Lower Installation Cost** — Using a standard Zone Sensor Module (ZSM), control voltage wiring may be run up to five (5) times further than any electromechanical system, with no increase in wire gauge. Example: Electromechanical System – 30 feet maximum using 22 gauge wire. Micro Control System – 150 feet using 22 gauge wire. **Standard**

**On Board Diagnostics**[1] — Assist with equipment troubleshooting, if a problem occurrence should take place. **Standard**

**Remote Sensing**[1] — All standard Zone Sensor Modules (ZSMs) have remote sensing capabilities, typically achieved by using an expensive program-mable thermostat and remote sensor with electromechanical equipment. **Accessory (requires use of remote sensor).**

**Selectable Economizer Dry Bulb Change Over** — Allows the capability of selecting the following dry bulb change over points: 63, 67, 70 or 73°F. **Standard with economizer accessory.**

**Space Temperature Averaging**[1] — All standard Zone Sensor Modules (ZSMs) have space temperature averaging capabilities, typically achieved by using an expensive programmable thermostat and minimum of four (4) remote sensors with electromechanical equipment. **Averaging with ReliaTel™ can be achieved with two (2) sensors.**

**Supply Air Tempering**[1] — A built in feature, once enabled only through an ICS device, may also be enabled using a digital or programmable Zone Sensor Module. When in the HEAT mode (and not actively heating), if supply air temperature drops 10°F below the heating setpoint, heat is turned on until supply air temperature rises to a point 10°F above the heating setpoint. Provides temperate air during the "OFF" cycle, and eliminates cold air dumping from supply ducts. Extremely effective when introducing any quantity of fresh air. **Standard when using a RTOM, ICS device, digital, or programmable Zone Sensor Module.**

**Time Delay Relay (TDR) Function** — Provides an incremental staging delay between compressors, minimizes equipment current inrush and consumption by keeping compressors from starting simultaneously. **Standard**

**Low Pressure and High Pressure Compressor Lockout** — 3 trips will lockout control.

[1] **Denotes features lost from utilizing standard conventional stat.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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**Packaged Cooling**

# ReliaTel™ Controls
## Operation With An Electromechanical Thermostat

When the ReliaTel™ RTRM Thermostat Interface is used, equipment operation differs significantly. The basic equipment protection features remain intact, and the following features and benefits are **LOST**:

- **Direct Digital Control (DDC)** – Proportional Integral (PI) control is lost, equipment is controlled by a thermostat or generic building automation system device.
- **Intelligent Fall** back is lost, if a failure occurs in the device controlling the equipment, operation will cease.
- Installation is more costly, with the addition of a thermostat or generic control, the control wiring size must be increased.
- **Heat Pump Smart Recovery** and **Smart Staging** is lost, Heat Pump operation becomes more costly unless generic control being applied can accomplish this.
- **Remote Sensing** capabilities are lost, unless generic control being applied can accomplish this.
- **Low ambient disabled economizer** and **second condensing fan cycling capability**.

- **Space Temperature Averaging** capabilities are lost, unless generic control being applied can accomplish this.
- **Supply Air Tempering** feature is lost, discharge air temperature may be cold when not actively heating if outdoor air is being introduced through the equipment.
- **Built In Night Set Back** and **Unoccupied** functions are lost, unless generic control being applied can accomplish this.
- **Built In Unoccupied Mode** is lost, unless generic control being applied can accomplish this.
- **Economizer Preferred Cooling Feature** is lost, all compressor operation is locked out below 50°F.

**Packaged Cooling**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Packaged Cooling with ReliaTel™ Controls 12½-25 Tons, R-410A

**12½-25 Ton T\*D-F – Downflow**
**12½-25 Ton T\*H-F – Horizontal**
- **ReliaTel™** control features are listed on page PC-17
- Built-in anti-short cycle, time-delay relay and minimum on time controls
- 2" throwaway filters
- Liquid line drier
- Built-in fork lift holes

- Operating charge of R-410A
- Quick-Access on 12½ – 25
- Sloped sheet metal drain pan
- Dedicated horizontal and downflow units
- Single point power for electric heat
- Complete line of optional electric heaters
- Internally enhanced coil tubing
- Low ambient to 0°F standard
- Colored and numbered wiring

- Phase monitor
- Quick-adjust idler arm pulley. Adjust belt tension, change belts, adjust airflow quickly (12½ – 25 tons), downflow only
- UL listed and CSA certified
- **5-year limited compressor warranty (12½ – 17½ tons)**
- **1-year limited compressor warranty (20 and 25 tons)**

## Table PC-19-A — High Efficiency ReliaTel™ Units (R-410A)

| Tons | Unit Model No. | Power Supply Volts/Phase/Hz | Performance EER | Cooling Capacity (Btuh) | Dimensions (in.) H x W x L | Shipping Weight (lbs.) | MCA② | Max Fuse Size or Max Circuit Breaker① | Downflow③ Roofcurb |
|---|---|---|---|---|---|---|---|---|---|
| 12½ | TH*150F3R0A000 | 208-230/3/60 | 12.1 | 140,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2373 | 65 | 80 | BAYCURB027B |
| 15 | TH*180F3R0A000 | 208-230/3/60 | 12.0 | 172,000 | 64 1/8 x 85⁵/₁₆ x 122⁵/₁₆ | 2322 | 72 | 90 | BAYCURB027B |
| 17½ | TH*210F3R0A0000 | 208-230/3/60 | 11.8 | 198,000 | 64 1/8 x 85⁵/₁₆ x 122⁵/₁₆ | 2396 | 88 | 110 | BAYCURB027B |
| 20 | TH*240F3R0A0000 | 208-230/3/60 | 11.0 | 242000 | 64 1/8 x 85⁵/₁₆ x 122⁵/₁₆ | 2399 | 104 | 125 | BAYCURB027B |
| 25 | TH*300F3R0A0000 | 208-230/3/60 | 10.6 | 272000 | 64 1/8 x 85⁵/₁₆ x 122⁵/₁₆ | 2365 | 116 | 150 | BAYCURB027B |
| 12½ | TH*150F4R0A0000 | 460/3/60 | 12.1 | 140,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2373 | 32 | 40 | BAYCURB027B |
| 15 | TH*180F4R0A0000 | 460/3/60 | 12.0 | 172,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2322 | 36 | 45 | BAYCURB027B |
| 17½ | TH*210F4R0A0000 | 460/3/60 | 11.8 | 198,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2396 | 42 | 50 | BAYCURB027B |
| 20 | TH*240F4R0A0000 | 460/3/60 | 11.0 | 242000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2399 | 50 | 60 | BAYCURB027B |
| 25 | TH*300F4R0A0000 | 460/3/60 | 10.6 | 272000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2365 | 56 | 70 | BAYCURB027B |
| 12½ | TH*150FWR0A0000 | 575/3/60 | 12.1 | 140,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2373 | 25 | 30 | BAYCURB027B |
| 15 | TH*180FWR0A0000 | 575/3/60 | 12.0 | 172,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2322 | 29 | 40 | BAYCURB027B |
| 17½ | TH*210FWR0A0000 | 575/3/60 | 11.8 | 198,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2396 | 36 | 45 | BAYCURB027B |
| 20 | TH*240FWR0A0000 | 575/3/60 | 11.0 | 242000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2399 | 42 | 50 | BAYCURB027B |
| 25 | TH*300FWR0A0000 | 575/3/60 | 10.6 | 272000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2365 | 47 | 60 | BAYCURB027B |

## Table PC-19-B — High Efficiency ReliaTel™ Units (R-410A) - Multi Speed Indoor Fan

| Tons | Unit Model No. | Power Supply Volts/Phase/Hz | Performance EER | Cooling Capacity (Btuh) | Dimensions (in.) H x W x L | Shipping Weight (lbs.) | MCA② | Max Fuse Size or① Max Circuit Breaker* | Downflow Roofcurb |
|---|---|---|---|---|---|---|---|---|---|
| 12½ | TH*150F3R0A1B8B | 208-230/3/60 | 12.1 | 140,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2398 | 65 | 80 | BAYCURB027B |
| 15 | TH*180F3R0A1B8B | 208-230/3/60 | 12.0 | 172,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2347 | 72 | 90 | BAYCURB027B |
| 17½ | TH*210F3R0A1B8B | 208-230/3/60 | 11.8 | 198,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2421 | 88 | 110 | BAYCURB027B |
| 20 | TH*240F3R0A1B8B | 208-230/3/60 | 11.0 | 242000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2424 | 104 | 125 | BAYCURB027B |
| 25 | TH*300F3R0A1B8B | 208-230/3/60 | 10.6 | 272000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2430 | 116 | 150 | BAYCURB027B |
| 12½ | TH*150F4R0A1B8B | 460/3/60 | 12.1 | 140,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2398 | 32 | 40 | BAYCURB027B |
| 15 | TH*180F4R0A1B8B | 460/3/60 | 12.0 | 172,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2347 | 36 | 45 | BAYCURB027B |
| 17½ | TH*210F4R0A1B8B | 460/3/60 | 11.8 | 198,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2421 | 42 | 50 | BAYCURB027B |
| 20 | TH*240F4R0A1B8B | 460/3/60 | 11.0 | 242000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2424 | 50 | 60 | BAYCURB027B |
| 25 | TH*300F4R0A1B8B | 460/3/60 | 10.6 | 272000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2410 | 56 | 70 | BAYCURB027B |
| 12½ | TH*150FWR0A1B8B | 575/3/60 | 12.1 | 140,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2398 | 25 | 30 | BAYCURB027B |
| 15 | TH*180FWR0A1B8B | 575/3/60 | 12.0 | 172,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2347 | 29 | 40 | BAYCURB027B |
| 17½ | TH*210FWR0A1B8B | 575/3/60 | 11.8 | 198,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2421 | 36 | 45 | BAYCURB027B |
| 20 | TH*240FWR0A1B8B | 575/3/60 | 11.0 | 242000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2424 | 42 | 50 | BAYCURB027B |
| 25 | TH*300FWR0A1B8B | 575/3/60 | 10.6 | 272000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2410 | 47 | 60 | BAYCURB027B |

① HACR type circuit breaker per NEC.
② Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
③ Downflow only.
④ 278,000 in the horizontal airflow configuration.
\* Digit 3 - H = Horizontal or D = Downflow.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

# Packaged Cooling with ReliaTel™ Controls 12½-25 Tons, R-410A

**12½-25 Ton T*D-F – Downflow**
**12½-25 Ton T*H-F – Horizontal**
- **ReliaTel™** control features are listed on page PC-17
- Built-in anti-short cycle, time-delay relay and minimum on time controls
- 2" throwaway filters
- Liquid line drier
- Built-in fork lift holes

- Operating charge of R-410A
- Quick-Access on 12½ – 25
- Sloped sheet metal drain pan
- Dedicated horizontal and downflow units
- Single point power for electric heat
- Complete line of optional electric heaters
- Internally enhanced coil tubing
- Low ambient to 0°F standard
- Colored and numbered wiring

- Phase monitor
- Quick-adjust idler arm pulley. Adjust belt tension, change belts, adjust airflow quickly (12½ – 25 tons), downflow only
- UL listed and CSA certified
- **5-year limited compressor warranty (12½ – 17½ tons)**
- **1-year limited compressor warranty (20 and 25 tons)**

## Table PC-20-A — ReliaTel™ Units (R-410A) - Standard Efficiency

| Tons | Unit Model No. | Power Supply Volts/Phase/Hz | Performance EER) | Cooling Capacity (Btuh) | Dimensions (in.) H x W x L | Shipping Weight (lbs.) | MCA② | Max Fuse Size or Max Circuit Breaker① | Downflow③ Roofcurb |
|---|---|---|---|---|---|---|---|---|---|
| 12½ | TS*150F3R0A0000 | 208-230/3/60 | 11.0 | 140,000 | 50$\frac{1}{8}$ x 71$\frac{5}{8}$ x 107$\frac{5}{16}$ | 1781 | 64 | 80 | BAYCURB026B |
| 15 | TS*180F3R0A0000 | 208-230/3/60 | 11.0 | 176,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2281 | 75 | 100 | BAYCURB027B |
| 17½ | TS*210F3R0A0000 | 208-230/3/60 | 11.0 | 193,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2292 | 93 | 125 | BAYCURB027B |
| 20 | TS*240F3R0A0000 | 208-230/3/60 | 10.0 | 240,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2353 | 108 | 125 | BAYCURB027B |
| 25 | TS*300F3R0A0000 | 208-230/3/60 | 10.0 | 272,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2337 | 124 | 150 | BAYCURB027B |
| | | | | | | | | | |
| 12½ | TS*150F4R0A0000 | 460/3/60 | 11.0 | 140,000 | 50$\frac{1}{8}$ x 71$\frac{5}{8}$ x 107$\frac{5}{16}$ | 1781 | 31 | 40 | BAYCURB026B |
| 15 | TS*180F4R0A0000 | 460/3/60 | 11.0 | 176,000 | 54 x 85 5/16 x 122$\frac{5}{16}$ | 2281 | 28 | 50 | BAYCURB027B |
| 17½ | TS*210F4R0A0000 | 460/3/60 | 11.0 | 193,000 | 54 x 85 5/16 x 122$\frac{5}{16}$ | 2292 | 44 | 60 | BAYCURB027B |
| 20 | TS*240F4R0A0000 | 460/3/60 | 10.0 | 240,000 | 54 x 85 5/16 x 122$\frac{5}{16}$ | 2353 | 52 | 70 | BAYCURB027B |
| 25 | TS*300F4R0A0000 | 460/3/60 | 10.0 | 272,000 | 54 x 85 5/16 x 122$\frac{5}{16}$ | 2337 | 59 | 70 | BAYCURB027B |
| | | | | | | | | | |
| 12½ | TS*150FWR0A0000 | 575/3/60 | 11.0 | 140,000 | 50$\frac{1}{8}$ x 71$\frac{5}{8}$ x 107$\frac{5}{16}$ | 1781 | 23 | 30 | BAYCURB026B |
| 15 | TS*180FWR0A0000 | 575/3/60 | 11.0 | 176,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2281 | 31 | 40 | BAYCURB027B |
| 17½ | TS*210FWR0A0000 | 575/3/60 | 11.0 | 193,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2292 | 35 | 50 | BAYCURB027B |
| 20 | TS*240FWR0A0000 | 575/3/60 | 10.0 | 240,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2353 | 44 | 60 | BAYCURB027B |
| 25 | TS*300FWR0A0000 | 575/3/60 | 10.0 | 272,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2337 | 48 | 60 | BAYCURB027B |

## Table PC-20-B — ReliaTel™ Units (R-410A) - Standard Efficiency - Multi Speed Indoor Fan

| Tons | Unit Model No. | Power Supply Volts/Phase/Hz | Performance EER | Cooling Capacity (Btuh) | Dimensions (in.) H x W x L | Shipping Weight (lbs.) | MCA② | Max Fuse Size or① Max Circuit Breaker* | Downflow Roofcurb |
|---|---|---|---|---|---|---|---|---|---|
| 12½ | TS*150F3R0A1B8B | 208-230/3/60 | 11.0 | 140,000 | 50$\frac{1}{8}$ x 71$\frac{5}{8}$ x 107$\frac{5}{16}$ | 1806 | 64 | 80 | BAYCURB026B |
| 15 | TS*180F3R0A1B8B | 208-230/3/60 | 11.0 | 176,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2306 | 75 | 100 | BAYCURB027B |
| 17½ | TS*210F3R0A1B8B | 208-230/3/60 | 11.0 | 193,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2317 | 93 | 125 | BAYCURB027B |
| 20 | TS*240F3R0A1B8B | 208-230/3/60 | 10.0 | 240,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2378 | 108 | 125 | BAYCURB027B |
| 25 | TS*300F3R0A1B8B | 208-230/3/60 | 10.0 | 272,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2402 | 124 | 150 | BAYCURB027B |
| | | | | | | | | | |
| 12½ | TS*150F4R0A1B8B | 460/3/60 | 11.0 | 140,000 | 50$\frac{1}{8}$ x 71$\frac{5}{8}$ x 107$\frac{5}{16}$ | 1806 | 31 | 40 | BAYCURB026B |
| 15 | TS*180F4R0A1B8B | 460/3/60 | 11.0 | 176,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2306 | 28 | 50 | BAYCURB027B |
| 17½ | TS*210F4R0A1B8B | 460/3/60 | 11.0 | 193,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2317 | 44 | 60 | BAYCURB027B |
| 20 | TS*240F4R0A1B8B | 460/3/60 | 10.0 | 240,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2378 | 52 | 70 | BAYCURB027B |
| 25 | TS*300F4R0A1B8B | 460/3/60 | 10.0 | 272,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2382 | 59 | 70 | BAYCURB027B |
| | | | | | | | | | |
| 12½ | TS*150FWR0A1B8B | 575/3/60 | 11.0 | 140,000 | 50$\frac{1}{8}$ x 71$\frac{5}{8}$ x 107$\frac{5}{16}$ | 1806 | 23 | 30 | BAYCURB026B |
| 15 | TS*180FWR0A1B8B | 575/3/60 | 11.0 | 176,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2306 | 31 | 40 | BAYCURB027B |
| 17½ | TS*210FWR0A1B8B | 575/3/60 | 11.0 | 193,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2317 | 35 | 50 | BAYCURB027B |
| 20 | TS*240FWR0A1B8B | 575/3/60 | 10.0 | 240,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2378 | 44 | 60 | BAYCURB027B |
| 25 | TS*300FWR0A1B8B | 575/3/60 | 10.0 | 272,000 | 54 x 85$\frac{5}{16}$ x 122$\frac{5}{16}$ | 2382 | 48 | 60 | BAYCURB027B |

① HACR type circuit breaker per NEC.
② Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
③ Downflow only.
④ 278,000 in the horizontal airflow configuration.
\*   Digit 3 - H = Horizontal or D = Downflow.

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For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Packaged Cooling with ReliaTel™ Controls 12½-25 Tons (Model Digit Numbers)

| Digit | Description | Order Number |
|---|---|---|
| 1 | **Unit Type** | |
| | Packaged Cooling, Electric Heat | T |
| | Packaged Gas/Electric | Y |
| 2 | **Efficiency** | |
| | Standard Efficiency | S |
| | High Efficiency | H |
| 3 | **Airflow Configuration** | |
| | Downflow | D |
| | Horizontal | H |
| 4-6 | **Nominal Gross Cooling Capacity (MBh)** | |
| | 12½ Tons | 150 |
| | 15 Tons | 180 |
| | 17½ Tons | 210 |
| | 20 Tons | 240 |
| | 25 Tons | 300 |
| 7 | **Major Design Sequence** | |
| | Microchannel Type Condenser Coils | F |
| 8 | **Voltage Selection** | |
| | 208-230/60/3 | 3 |
| | 460/60/3 | 4 |
| | 575/60/3 | W |
| | 380/60/3 | K |
| 9 | **Unit Controls** | |
| | ReliaTel™ | R |
| 10 | **Heating Capacity** | |
| | No Heat② | 0 |
| | 18 kW Electric Heat② | G |
| | 27 kW Electric Heat② | K |
| | 36 kW Electric Heat② | N |
| | 54 kW Electric Heat② | P |
| | 72 kW Electric Heat② | R |
| | Gas Heat - High① | H |
| | Gas Heat - Low① | L |
| | Gas Heat - SS Ht Ex - Modulating① | V |
| | Gas Heat - SS Ht Ex - Low① | X |
| | Gas Heat - SS Ht Ex - High① | Z |
| 11 | **Minor Design Sequence** | |
| 12-13 | **Service Sequence** | |
| 14 | **Fresh Air Selection** | |
| | No Fresh Air | 0 |
| | Econ Dry Bulb w/ Barometric Relief | D |
| | Econ Reference Enthalpy w/Barometric Relief | F |
| | Econ Comparative Enthalpy w/Barometric Relief | H |
| 15 | **Supply Fan/Drive Type/Motor** | |
| | Standard Motor | 0 |
| | Oversized Motor | 1 |
| | High Efficiency Motor | 3 |
| | Single Zone Variable Air Volume Standard Motor | 6 |
| | Multi-Speed Standard Motor | 7 |
| | Single Zone Variable Air Volume Oversized Motor | 8 |
| | Multi-Speed Oversized Motor | 9 |
| | Single Zone Variable Air Volume Standard Motor w/Shaft Ground Ring | A |
| | Multi-Speed Standard Motor w/Shaft Ground Ring | B |
| | Single Zone Variable Air Volume Oversized Motor w/Shaft Ground Ring | C |
| | Multi-Speed Oversized Motor w/Shaft Ground Ring | D |
| 16 | **Hinged Service Access / Filters** | |
| | Standard Panels/Standard Filters | 0 |
| | Hinged Access/Standard Filters | A |
| | Standard Panels/MERV 8 Filters | B |
| | Hinged Access/MERV 8 Filters | C |
| | Standard Panels/MERV 13 Filters | D |
| | Hinged Access/MERV 13 Filters | E |
| 17 | **Condenser Coil Protection** | |
| | Standard Coil | 0 |
| | Standard Coil With Hail Guard | 1 |
| | CompleteCoat™ Condenser Coil | 4 |
| | CompleteCoat™ Condenser Coil with Hail Guard | 5 |
| 18 | **Through The Base Provisions**. | |
| | No Through The Base Provisions③ | 0 |
| | Through The Base Electric③ | A |
| | Through The Base Gas① | B |
| | Through The Base Electric/Gas① | C |
| | Through The Base Access① | D |

| Digit | Description | Order Number |
|---|---|---|
| 19 | **Disconnect Switch/Circuit Breaker** | |
| | No Disconnect/circuit break | 0 |
| | Unit Mounted Non-Fused Disconnect Switch | 1 |
| | Unit Mounted Circuit Breaker | 2 |
| 20 | **Convenience Outlet Option** | |
| | Without Convenience Outlet | 0 |
| | Unpowered Convenience Outlet | A |
| | Powered Convenience Outlet | B |
| 21 | **Communications Options** | |
| | Without Communications Options | 0 |
| | Novar 2024 Controls Interface④ | 3 |
| | Novar 3051 Controls Interface④ | 4 |
| | Novar 3051 Communications Interface with Demand Control Ventilation④ | 5 |
| | Building Automation Control Network Communications Interface | 6 |
| 22 | **Refrigeration System Option** | |
| | Standard refrigeration system | 0 |
| | Thermal Expansion Valve (TXV) | A |
| | Dehumidification (Hot Gas Reheat) | B |
| 23 | **Refrigeration Controls** | |
| | Without Refrigeration Controls | 0 |
| | Frostat | 1 |
| 24 | **Smoke Detector** | |
| | Without Smoke Detector | 0 |
| | Return Air Smoke Detector | A |
| | Supply Air Smoke Detector | B |
| | Return/Supply Air Smoke Detector | C |
| | Plenum Smoke Detector | D |
| 25 | **System Monitoring Controls** | |
| | No Monitoring Controls | 0 |
| | Clogged Filter Switch | 1 |
| | Fan Failure Switch | 2 |
| | Discharge Air Sensing | 3 |
| | Clogged Filter Switch and Fan Failure switch | 4 |
| | Clogged Filter Switch and Discharge Air Sensing | 5 |
| | Fan Failure Switch and Discharge Air Sensing | 6 |
| | Clogged Filter Switch, Fan Failure Switch and Discharge Air Sensing | 7 |
| | NOVAR Return Air Sensor (Novar 2024)④ | 8 |
| | NOVAR Zone Temp Sensor(Novar 3051)④ | 9 |
| | Condensate Drain Pan Overflow Switch | A |
| | Clogged Filter Switch and Condensate Drain Pan Overflow Switch | B |
| | Fan Failure Switch and Condensate Drain Pan Overflow Switch | C |
| | Discharge Air Sensing and Condensate Drain Pan Overflow Switch | D |
| | Clogged Filter Switch, Fan Failure Switch and Condensate Drain Pan Overflow Switch | E |
| | Clogged Filter Switch, Discharge Air Sensing Tube and Condensate Drain Pan Overflow Switch | F |
| | Fan Failure Switch, Discharge Air Sensing Tube and Condensate Drain Pan Overflow Switch | G |
| | Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing and Condensate Drain Pan Overflow Switch | H |
| 26 | **System Monitoring Controls** | |
| | No Monitoring Controls | 0 |
| | Demand Control Ventilation (CO$_2$)⑤ | A |
| 27 | **Unit Hardware Enhancements** | |
| | No Enhancements | 0 |
| | Stainless Steel Drain Pan | 1 |

**Note:** *Most Factory Installed Options available for Downflow Air Discharge units only. Please verify with ordering system for availability.*

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① *Applicable to Digit 1 Y models only.*
② *Applicable to Digit 1 T models only.*
③ *Applicable to Digit 1, T or Y models.*

⑥ Novar is not available with SZ VAV products.
⑦ Demand Control Ventilation Option includes wiring only. The C0$_2$ sensor is a field-installed only option.

**For additional Controls Information:**
**See ReliaTel™ and Micro Control features on PC-17 and PC-18.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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**Packaged Cooling**

**Table PC-22-B — Zone Sensors for ReliaTel™**

| Model Number | Description | Used With |
|---|---|---|
| ASYSTAT106A | Single Setpoint Manual Changeover | YC*150-301 |
| ASYSTAT108A | Dual Setpoint Manual or Automatic Changeover | YC*150-301 |
| ASYSTAT111A | Remote Room Sensor | ASYSTAT777A |
| ASYSTAT777A | Programmable Night Setback | YC*150-301 |
| ASYSTAT710A | Wall Mounted Humidity Sensor | YFD151,181,241 (with Reheat) |
| ASYSTAT711A | Duct Mounted Humidity Sensor | YFD151,181,241 (with Reheat) |
| BAYMTPL110A | Retrofit Wall Cover Plate Kit 7.25" x 6.0" | ASYSTAT777A |

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Packaged Cooling

**Table PC-23-A — Field Installed Accessories**
**For complete list of of All Factory Installed Options refer to FIOPS section of this book.**

| Model Number | Description | Used With |
|---|---|---|
| BAYBCIR001A | BACnet™ Communication Interface | All Voyagers |
| BAYABRD002[9] | ReliaTel™ Options Module | All Voyagers |
| BAYCO2K002B[10] | $CO_2$ Sensor Wall Mounted | All Voyagers w/Economizers |
| BAYCO2K004B[10] | $CO_2$ Sensor Duct Mounted | All Voyagers w/Economizers |
| BAYCURB026B[5][6] | Downflow Roof Curb (Can not be adapted for horizontal use) | TSD150F |
| BAYCURB027B[5][6] | Downflow Roof Curb (Can not be adapted for horizontal use) | THD150F-300F, TSD180-300F |
| BAYDFPS005A[8][9] | Clogged Filter Switch (MERV 7) | All Voyagers |
| BAYDFPS006A[8][9] | Fan Failure Switch | All Voyagers |
| BAYDFPS013A | Clogged Filter Switch (MERV 13) | All Voyagers |
| BAYDMPR029C | 0-25% Manual Outside Air Damper | All Voyagers |
| BAYDMPR057A | 0-50% Motorized Outside Air Damper | TSD150F |
| BAYDMPR058A | 0-50% Motorized Outside Air Damper | TSD151F-300F, TSD180F-300F |
| BAYECON089A[9] | Downflow Economizer with Barometric Relief | TSD150F |
| BAYECON090A[9] | Downflow Economizer with Barometric Relief | TSD151F-300F, TSD180F-300F |
| BAYECON091A | Horizontal Economizer | TSH150F |
| BAYECON092A | Horizontal Economizer | TSH151F-300F, TSF180F-300F |
| BAYENTH007A[1][2] | Reference Enthalpy Kit | All BAYECON089-92A |
| BAYENTH008A[1][3] | Comparative Enthalpy Kit | All BAYECON089-92A |
| BAYFRST003A[7] | High Temperature Stat | All Voyagers |
| BAYGARD144A[9] | Tool-less Hail Guard | TS*150F |
| BAYGARD145A[9] | Tool-less Hail Guard | TH*150F, TS*210F, TS*240F, TS*300F |
| BAYGARD150A | Tool-less Hail Guard | TH*180F, TH*210F, TH*240F, TH*300F |
| BAYHSDR005B[4] | High Static Drive | TS*150F, TH*150F, TH*180F |
| BAYHSDR010A[4] | High Static Drive | TH*210F, TH*240F, TS*300F |
| BAYHSDR011A[4] | High Static Drive | TS*210F, TS*240F, TH*300F |
| BAYHSDR016A | High Static Drive | TS*180F |

[1] Kit contains all necessary parts to achieve desired level of Enthalpy Control.
[2] Reference Enthalpy senses outside temperature/humidity and inside return/mixed air temperature/humidity.
[3] Comparative Enthalpy senses outside temperature/humidity and inside return/mixed air temperature/humidity.
[4] High static drive and oversized motors are mutually exclusive, Do Not Combine.
[5] Clarksville manufacturing has a no return policy for this roof curb.
[6] For downflow use only. Can not be adapted for horizontal units.
[7] Must be used with either field or factory installed TCI (Trane Communications Interface).
[8] BAYABRD002B is required when ordering field installed BAYDFPS005A or 006A, BAYTUBE008A or 009A and BAYLOAM023A or BAYVNOR002B.
[9] Field or factory installed option.
[10] Field installed accessory. Requires an economizer.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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**Packaged Cooling**

**Table PC-24-A — Field Installed Accessories**
**For complete list of of All Factory Installed Options refer to FIOPS section of this book.**

| Model Number | Description | Used With |
|---|---|---|
| BAYHSMT039B①⑥ | 5HP Oversized Motor Kit (208-230/460V) | TS*150F |
| BAYHSMT040B①⑥ | 5HP Oversized Motor Kit (575V) | TS*150F |
| BAYHSMT055B①⑥ | 5HP Oversized Motor Kit (208-230/460V) | TS*180F |
| | | |
| BAYHSMT042A①⑥ | 7-1/2HP Oversized Motor Kit (575V) | TS*210F, TH*210F, TS*240F, TH*240F |
| BAYHSMT072A①⑥ | 7-1/2HP Oversized Motor Kit (575V) | TS*180F, TH*180F |
| BAYHSMT098A①⑥ | 7-1/2HP Oversized Motor Kit (208-230V) | TH*210F, TH*240F |
| BAYHSMT099A①⑥ | 7-1/2HP Oversized Motor Kit (460V) | TH*210F, TH*240F |
| | | |
| BAYLOAM023A⑥ | Evaporator Defrost Control Frostat | TS*150F, TH*150F, TS*180F |
| | | TS*210F, TS*240F, TS*300F |
| BAYLOAM031A | Evaporator Defrost Control Frostat | TH*180F, TH*210F, TH*240F, TH*300F |
| | | |
| BAYLSDR004A② | Low Static Drive | TS*150F, TS*180F, TS*210F |
| | | TH*210F, TH*240F, TS*240F |
| BAYLSDR002A② | Low Static Drive | TH*150F, TH*180F, TH*300F |
| | | |
| BAYPWRX029A | Power Exhaust for all Voyagers 12½-25 Ton 230V units | BAYECON089-090A, TCD150-301 |
| BAYPWRX030A | Power Exhaust for all Voyagers 12½-25 Ton 460V units | BAYECON089-090A, TCD150-301 |
| BAYPWRX031A | Power Exhaust for all Voyagers 12½-25 Ton 575V units | BAYECON089-090A, TCD150-301 |
| | | |
| BAYSERV001A | Selective Resistance Service Tester | All TC*150F-TC*301F |
| | | |
| BAYSTAT023③ | Remote Potentiometer | All Economizers and 0-50% |
| | | Motorized Air Dampers |
| | | |
| BAYTUBE008A④⑤⑥ | Discharge Air Sensing Kit | All TCD150F-TCD301F |
| BAYTUBE009A④⑤⑥ | Discharge Air Sensing Kit | All TCH150F-TCH301F |
| | | |
| BAYQACB044A | Adapter Curb | BAYCURB026A/B to BAYCURB027A/B |
| | | |
| BAYVNOR002B⑤ | Ventilation Override Kit | TC*150-301 w/ReliaTel™ |
| | | Options Module |

① High static drive and oversized motors are mutually exclusive, Do Not Combine.
② Low static drive and oversized motors are mutually exclusive, Do Not Combine.
③ Cannot be used with Integrated Comfort™ Systems.
④ Used for true discharge air sensing in both heating and cooling models.
⑤ BAYABRD002B is required when ordering field installed BAYDFPS005A or 006A, BAYTUBE008A or 009A and BAYLOAM031A or BAYVNOR002B.
⑥ Field or factory installed option.

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For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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**Table PC-25-A — Downflow Supplementary Heaters:**

| Model Number | Power Supply | kW Rating | Nominal BTUH | No. Stages | Used With |
|---|---|---|---|---|---|
| AYDHTRK318A | 208-230/3/60 | 13.5/18.0 | 46,100/61,400 | 1 | TSD150F-180F, THD150F-180F |
| AYDHTRK336A | 208-230/3/60 | 27.0/36.0 | 92,200/122,900 | 2 | TSD150F-180F, THD150F-180F |
| AYDHTRK354A | 208-230/3/60 | 40.5/54.0 | 138,200/184,300 | 2 | TSD150F-180F, THD150F-180F |
| AYDHTRL418A | 460/3/60 | 18.0 | 61,400 | 1 | TSD150F-180F, THD150F-180F |
| AYDHTRK427A | 460/3/60 | 27.0 | 92,150 | 2 | THD180F |
| AYDHTRK436A | 460/3/60 | 36.0 | 122,900 | 2 | TSD150F-180F, THD150F-180F |
| AYDHTRK454A | 460/3/60 | 54.0 | 184,300 | 2 | TSD150F-180F, THD150F-180F |
| AYDHTRL336A | 208-230/3/60 | 27.0/36.0 | 92,200/122,900 | 2 | TSD210F-300F, THD210-300F |
| AYDHTRL354A | 208-230/3/60 | 40.5/54.0 | 138,200/184,300 | 2 | TSD210F-300F, THD210-300F |
| AYDHTRK372A | 208-230/3/60 | 54.0/72.0 | 184,300/245,700 | 2 | TSD210F-300F, THD210-300F |
| AYDHTRL427A | 460/3/60 | 27.0 | 92,150 | 2 | THD210F, THD240-300F |
| AYDHTRL436A | 460/3/60 | 36.0 | 122,900 | 2 | TSD210F-300F, THD210-300F |
| AYDHTRL454A | 460/3/60 | 54.0 | 184,300 | 2 | TSD210F-300F, THD210-300F |
| AYDHTRK472A | 460/3/60 | 72.0 | 245,700 | 2 | TSD210F-300F, THD210-300F |

**Table PC-25-B — Horizontal Supplementary Heaters:**

| Model Number | Power Supply | kW Rating | Nominal BTUH | No. Stages | Used With |
|---|---|---|---|---|---|
| AYHHTRN318A | 208-230/3/60 | 13.5/18.0 | 46,000/61,400 | 1 | TSH150F, TSH180F |
| AYHHTRP336A | 208-230/3/60 | 27.0/36.0 | 92,200/122,900 | 2 | TSH150F, TSH180F |
| AYHHTRP354A | 208-230/3/60 | 40.5/54.0 | 138,200/184,300 | 2 | TSH150F, TSH180F |
| AYHHTRN418A | 460/3/60 | 18.0 | 61,400 | 1 | TSH150F, TSH180F |
| AYHHTRP436A | 460/3/60 | 36.0 | 122,900 | 2 | TSH150F, TSH180F |
| AYHHTRP454A | 460/3/60 | 54.0 | 184,300 | 2 | TSH150F, TSH180F |
| AYHHTRN336A | 208-230/3/60 | 27.0/36.0 | 92,200/122,900 | 2 | TSH210-300F, THH210-300F |
| AYHHTRN354A | 208-230/3/60 | 40.5/54.0 | 138,200/184,300 | 2 | TSH210-300F, THH210-300F |
| AYHHTRN372A | 208-230/3/60 | 54.0/72.0 | 184,300/245,700 | 2 | TSH210-300F, THH210-300F |
| AYHHTRN436A | 460/3/60 | 36.0 | 122,900 | 2 | TSH210-300F, THH210-300F |
| AYHHTRN454A | 460/3/60 | 54.0 | 184,300 | 2 | TSH210-300F, THH210-300F |
| AYHHTRN472A | 460/3/60 | 72.0 | 245,700 | 2 | TSH210-300F, THH210-300F |
| AYHHTRM318A | 208-230/3/60 | 13.5/18.0 | 46,100/61,400 | 1 | THH150F, THH180F |
| AYHHTRM336A | 208-230/3/60 | 27.0/36.0 | 92,200/122,900 | 2 | THH150F, THH180F |
| AYHHTRM354A | 208-230/3/60 | 40.5/54.0 | 138,200/184,300 | 2 | THH150F, THH180F |
| AYHHTRM418A | 460/3/60 | 18.0 | 61,400 | 1 | THH150F, THH180F |
| AYHHTRM436A | 460/3/60 | 36.0 | 122,900 | 2 | THH150F, THH180F |
| AYHHTRM454A | 460/3/60 | 54.0 | 184,300 | 2 | THH150F, THH180F |

Note: Unit with heater is single circuit/single point.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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**Packaged Cooling**

**Table PC-26-A — Downflow Supplementary Heaters:**

| Model Number | Power Supply | kW Rating | Nominal BTUH | No. Stages | Used With |
|---|---|---|---|---|---|
| AYDHTRLW54A | 575/3/60 | 54.0 | 184,300 | 2 | TSD210-300F, THD210-300F |
| AYDHTRKW18A | 575/3/60 | 18.0 | 61,400 | 1 | TSD150-180F, THD150-180F |
| AYDHTRKW54A | 575/3/60 | 54.0 | 184,300 | 2 | TSD150-180F, THD150-180F |
| AYDHTRKW72A | 575/3/60 | 72.0 | 245,700 | 2 | TSD210-300F, THD210-300F |
| AYDHTRMW36A | 575/3/60 | 36.0 | 122,900 | 2 | TSD150-300F, THD150-300F |

**Table PC-26-B — Horizontal Supplementary Heaters:**

| Model Number | Power Supply | kW Rating | Nominal BTUH | No. Stages | Used With |
|---|---|---|---|---|---|
| AYHHTRMW18A | 575/3/60 | 18.0 | 61,400 | 1 | THH150F, THH180F |
| AYHHTRMW36A | 575/3/60 | 36.0 | 122,900 | 2 | TSH210F-300F, TSH150F-300F |
| AYHHTRMW54A | 575/3/60 | 54.0 | 184,300 | 2 | THH150F, THH180F |
| AYHHTRNW18A | 575/3/60 | 18.0 | 61,400 | 1 | TSH150F, TSH180F |
| AYHHTRNW54A | 575/3/60 | 54.0 | 184,300 | 2 | TSH210F-300F, THH210F-300F |
| AYHHTRNW72A | 575/3/60 | 72.0 | 245,700 | 2 | TSH210F-300F, THH210F-300F |
| AYHHTRPW36A | 575/3/60 | 36.0 | 122,900 | 2 | TSH150F, TSH180F |
| AYHHTRPW54A | 575/3/60 | 54.0 | 184,300 | 2 | TSH150F, TSH180F |

Note: Unit with heater is single circuit/single point.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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**Packaged Cooling**

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# Packaged Heat Pump
# Convertible 2-5 Tons
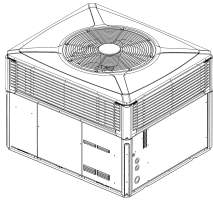
**4WCZ6**
**Platinum ZM**

**Table PH-1-A — 4WCZ6 - Platinum ZM (Previously Heritage® 16)**
**Convertible Packaged Heat Pump - R-410A**

| Model Number | Capacity | SEER | EER High/Low | HSPF | Shipping Weight | MCA | Max Fuse | Sound Rating | Cabinet Dimensions (in.) H x D x W |
|---|---|---|---|---|---|---|---|---|---|
| **4WCZ6 – 208-230/1/60** | | | | | | | | | |
| 4WCZ6036A1000B | 36,000 | 16.40 | 12.20/13.30 | 9.00 | 468 | 26.2 | 40 | 70 | 38 x 43 x 51 |
| 4WCZ6048A1000B | 47,500 | 16.00 | 12.00/13.60 | 9.00 | 607 | 34.1 | 50 | 71 | 42 x 46 x 61 |
| 4WCZ6060A1000B | 56,500 | 15.20 | 11.50/12.50 | 8.60 | 623 | 37.1 | 60 | 73 | 42 x 46 x 61 |
| **4WCZ6 – 208-230/3/60** | | | | | | | | | |
| 4WCZ6036A3000B | 36,000 | 16.40 | 12.20/13.30 | 9.00 | 468 | 19.1 | 30 | 70 | 38 x 43 x 51 |
| 4WCZ6048A3000B | 47,500 | 16.00 | 12.00/13.60 | 9.00 | 607 | 24.5 | 35 | 71 | 42 x 46 x 61 |
| 4WCZ6060A3000B | 56,500 | 15.20 | 11.50/12.50 | 8.60 | 623 | 30.3 | 45 | 73 | 42 x 46 x 61 |
| **4WCZ6 – 460/3/60** | | | | | | | | | |
| 4WCZ6036A4000B | 36,000 | 16.40 | 12.20/13.30 | 9.00 | 468 | 10.4 | 15 | 70 | 38 x 43 x 51 |
| 4WCZ6048A4000B | 47,500 | 16.00 | 12.00/13.60 | 9.00 | 607 | 15.3 | 20 | 71 | 42 x 46 x 61 |
| 4WCZ6060A4000B | 56,500 | 15.20 | 11.50/12.50 | 8.60 | 623 | 19.2 | 25 | 73 | 42 x 46 x 61 |
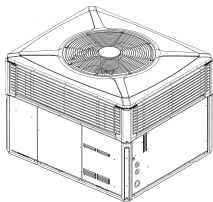
**4DCZ6**
**Platinum ZM**

**Table PH-1-B — 4DCZ6 - Platinum ZM (Previously Heritage Hybrid™ Comfort 16)**
**Convertible Packaged Heat Pump - R-410A**

| Model Number | Cooling Capacity (BTUH) | Gas Capacity Heating Output (1 Stg./2 Stg.) | SEER/EER | HSPF | AFUE(%) | Shipping Weight | MCA | Max Fuse | Sound Rating | Cabinet Dimensions (in.) H x D x W |
|---|---|---|---|---|---|---|---|---|---|---|
| **4DCZ6 – 208-230/1/60** | | | | | | | | | | |
| 4DCZ6036A1075B | 35,000 | 48,400/60,000 | 16.00 /12.00 | 9.00 | 79.5 | 488 | 26.2 | 40 | 70 | 38 x 43 x 51 |
| 4DCZ6048A1096B | 47,500 | 62,000/77,000 | 16.00 /12.00 | 9.00 | 80.0 | 665 | 34.1 | 50 | 71 | 42 x 46 x 61 |
| 4DCZ6060A1120B | 57,000 | 77,500/96,000 | 15.20 /11.50 | 8.60 | 80.0 | 676 | 37.1 | 60 | 73 | 42 x 46 x 61 |
| **4DCZ6 – 208-230/3/60** | | | | | | | | | | |
| 4DCZ6036A3075B | 35,000 | 48,400/60,000 | 16.00 /12.00 | 9.00 | 79.5 | 488 | 19.1 | 30 | 70 | 38 x 43 x 51 |
| 4DCZ6048A3096B | 47,500 | 62,000/77,000 | 16.00 /12.00 | 9.00 | 80.0 | 665 | 24.5 | 35 | 71 | 42 x 46 x 61 |
| 4DCZ6060A3120B | 57,000 | 77,500/96,000 | 15.20 /11.50 | 8.60 | 80.0 | 676 | 30.3 | 45 | 73 | 42 x 46 x 61 |

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# American Standard ®
HEATING & AIR CONDITIONING

# Packaged Heat Pump
# Convertible 2-5 Tons

**4WCY4**
**Gold XM**

**Table PH-2-A — 4WCY4 - Gold XM (Previously Heritage® 14) Convertible Packaged Heat Pump - R-410A**

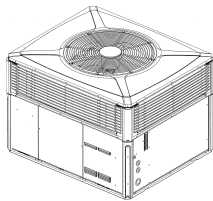| Model Number | Capacity | SEER/EER | HSPF | Shipping Weight | MCA | Max Fuse | Sound Rating | Cabinet Dimensions (in.) H x D x W |
|---|---|---|---|---|---|---|---|---|
| **4WCY4 – 208-230/1/60** | | | | | | | | |
| 4WCY4024A1000A | 23,600 | 14.00/12.00 | 8.00 | 453 | 16.1 | 25 | 68 | 36 x 43 x 51 |
| 4WCY4030A1000A | 30,000 | 14.25/12.00 | 8.00 | 453 | 19.2 | 30 | 71 | 36 x 43 x 51 |
| 4WCY4036B1000A | 37,400 | 14.25/12.00 | 8.00 | 468 | 24.6 | 40 | 69 | 38 x 43 x 51 |
| 4WCY4042A1000A | 42,000 | 14.25/12.00 | 8.00 | 607 | 31.5 | 50 | 74 | 38 x 46 x 61 |
| 4WCY4048B1000A | 47,500 | 14.00/12.00 | 8.00 | 607 | 33.9 | 50 | 73 | 38 x 46 x 61 |
| 4WCY4060B1000A | 58,000 | 14.00/12.00 | 8.00 | 623 | 39.9 | 60 | 76 | 42 x 46 x 61 |
| **4WCY4 – 208-230/3/60** | | | | | | | | |
| 4WCY4036A3000A | 36,000 | 14.00/11.75 | 8.20 | 468 | 19.8 | 30 | 69 | 38 x 43 x 51 |
| 4WCY4048A3000A | 47,000 | 14.00/11.75 | 8.00 | 607 | 26.4 | 40 | 73 | 38 x 46 x 61 |
| 4WCY4060A3000A | 58,000 | 14.00/11.50 | 8.00 | 623 | 30.6 | 45 | 76 | 42 x 46 x 61 |
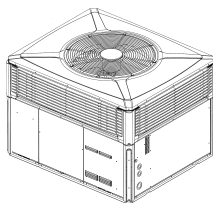
**4DCY4**
**Gold XM**

**Table PH-2-B — 4DCY4 - Gold XM (Previously Heritage Hybrid™ Comfort 14)**
**Convertible Packaged Heat Pump - R-410A**

| Model Number | Cooling Capacity (BTUH) | Gas Capacity Heating Output (1 Stg./2 Stg.) | SEER/EER | HSPF | AFUE(%) | Shipping Weight | MCA | Max Fuse | Sound Rating | Cabinet Dimensions (in.) H x D x W |
|---|---|---|---|---|---|---|---|---|---|---|
| **4DCY4 – 208-230/1/60** | | | | | | | | | | |
| 4DCY4024A1064A | 23,600 | 38,400/51,000 | 14.00/12.00 | 8.00 | 79.0 | 481 | 16.1 | 25 | 68 | 36 x 43 x 51 |
| 4DCY4030A1075A | 30,000 | 48,400/60,000 | 14.25/12.00 | 8.00 | 79.5 | 481 | 19.1 | 30 | 76 | 36 x 43 x 51 |
| 4DCY4036B1075A | 37,400 | 48,400/60,000 | 14.25/12.00 | 8.00 | 79.5 | 488 | 24.6 | 40 | 69 | 38 x 43 x 51 |
| 4DCY4042A1096A | 42,000 | 62,000/77,000 | 14.25/12.00 | 8.00 | 80.0 | 653 | 31.5 | 50 | 74 | 38 x 46 x 61 |
| 4DCY4048B1096A | 47,500 | 62,000/77,000 | 14.00/12.00 | 8.00 | 80.0 | 653 | 33.9 | 50 | 73 | 38 x 46 x 61 |
| 4DCY4060B1120A | 58,000 | 77,500/96,000 | 14.00/12.00 | 8.00 | 80.0 | 676 | 39.9 | 60 | 76 | 42 x 46 x 61 |
| **4DCY4 – 208-230/3/60** | | | | | | | | | | |
| 4DCY4036A3075A | 36,000 | 48,400/60,000 | 14.00/11.40 | 8.00 | 79.5 | 488 | 19.8 | 30 | 69 | 36 x 43 x 51 |
| 4DCY4048A3096A | 47,000 | 62,000/77,000 | 14.00/11.75 | 8.00 | 80.0 | 653 | 26.4 | 40 | 73 | 38 x 46 x 61 |
| 4DCY4060A3120A | 58,000 | 77,500/96,000 | 14.00/11.50 | 8.00 | 80.0 | 676 | 30.6 | 60 | 76 | 42 x 46 x 61 |

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

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![American Standard - HEATING & AIR CONDITIONING]

# Packaged Heat Pump Convertible 2-5 Tons

| **Table PH-3-A — Features** | 4WCZ6 3-5 | 4DCZ6 3-5 | 4WCY4 2-5 | 4DCY4 2-5 |
|---|---|---|---|---|
| • SEER up to ................................................................. | 16.40 | 16.00 | 14.25 | 14.25 |
| • HSPF up to................................................................... | 9.00 | 9.00 | 8.20 | 8.00 |
| • Exclusive **Duration™** high efficiency compressor with internal overload protection......................... | ✔ | ✔ | ✔ | ✔ |
| • Factory supplied charge................................................ | R-410A | R-410A | R-410A | R-410A |
| • Composite **Vortica®** indoor blower............................. | ✔ | ✔ | ✔ | ✔ |
| • High efficiency ECM indoor blower motor with **Comfort-R™** airflow system.................................... | ✔ | ✔ | ✔ | ✔ |
| • All aluminum **Spine Fin™** outdoor coil....................... | ✔ | ✔ | ✔ | ✔ |
| • Swept-blade outdoor fan for quiet operation ................ | ✔ | ✔ | ✔ | ✔ |
| • Architecturally integrated louvers and corner guards.... | ✔ | ✔ | ✔ | ✔ |
| • Cabinet constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint. | ✔ | ✔ | ✔ | ✔ |
| • Stainless steel heat exchanger and burners.................. | — | ✔ | — | ✔ |
| • Single stage cool........................................................... | — | — | ✔ | ✔ |
| • Single stage heat ......................................................... | — | — | ✔ | — |
| • 2-stage gas .................................................................. | — | ✔ | — | ✔ |
| • 2-stage heating and cooling.......................................... | ✔ | ✔ | — | — |
| • Start kit - factory installed (single phase only) ............. | — | — | 2 & 2½ | 2 & 2½ |
| • High pressure cutout..................................................... | ✔ | ✔ | ✔ | ✔ |
| • Low pressure cutout...................................................... | ✔ | ✔ | ✔ | ✔ |
| • Liquid line drier - factory installed ............................... | ✔ | ✔ | ✔ | ✔ |
| • Non-bleed expansion valves on indoor and outdoor coils ........ | ✔ | ✔ | ✔ | ✔ |
| • Pressure taps, including liquid line taps, easily accessed and protected inside compressor compartment ...... | ✔ | ✔ | ✔ | ✔ |
| • Right side electrical service access for high and low voltage connections.................................... | ✔ | ✔ | ✔ | ✔ |
| • Rugged steel basepan features deep drawn duct connections ...... | ✔ | ✔ | ✔ | ✔ |
| • Steeply sloped composite drainpan ............................. | ✔ | ✔ | ✔ | ✔ |
| • Ships in horizontal configuration and converts quickly for downflow ..... | ✔ | ✔ | ✔ | ✔ |
| • Copper tube, aluminum fin indoor coil .......................... | ✔ | ✔ | ✔ | ✔ |
| • All models are certified to UL 1995............................... | ✔ | ✔ | ✔ | ✔ |
| • **20-year heat exchanger, 12-year compressor, 10-year outdoor coil, and 10-year all other functional parts registered limited warranty (Residential Use)**[1] ............. | — | ✔ | — | — |
| • **20-year heat exchanger, 10-year compressor, 10-year outdoor coil, and 10-year all other functional parts registered limited warranty (Residential Use)**[1] ............. | — | — | — | ✔ |
| • **12-year compressor, 10-year outdoor coil, and 10-year all other functional parts registered limited warranty (Residential Use)**[1]......................... | ✔ | — | — | — |
| • **10-year compressor, 10-year outdoor coil, and 10-year all other functional parts registered limited warranty (Residential Use)**[1]......................... | — | — | ✔ | — |
| • **Extended Warranties Available** ................................ | ✔ | ✔ | ✔ | ✔ |

[1] Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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American Standard
HEATING & AIR CONDITIONING

# Packaged Heat Pump
# Convertible 2-5 Tons

| Table PH-4-A — Accessories | | | 4WCZ6 3-5 | 4DCZ6 3-5 | 4WCY4 2-5 | 4DCY4 2-5 |
|---|---|---|---|---|---|---|
| **Model Number** | **Description** | **Shipping Weight** | | | | |
| BAYACCDOR1A | Hinged Filter Access Door[12] | | 3 | 3 | 2-3 | 2-3 |
| BAYACCDOR2A | Hinged Filter Access Door[12] | | 4-5 | 4-5 | 3½-5 | 3½-5 |
| BAYADAP050A | Adapter Curb (Cabinet A/B) | | 3 | 3 | 2-3 | 2-3 |
| BAYADAP051A | Adapter Curb (Cabinet C) | | 3 | 3 | 2-3 | 2-3 |
| BAYADAP052A | Adapter Curb (Cabinet A/B) | | 4-5 | 4-5 | 3½-5 | 3½-5 |
| BAYADAP053A | Adapter Curb (Cabinet C) | | 4-5 | 4-5 | 3½-5 | 3½-5 |
| BAYADAP054A | Adapter Curb (Cabinet D) | | 4-5 | 4-5 | 3½-5 | 3½-5 |
| BAYASCT001 | Anti-Short Cycle Timer[4] | | ✔ | ✔ | ✔ | ✔ |
| BAYCCHT101A | Crankcase Heater (230V) (Recip.) | | — | — | 2 | 2 |
| BAYCCHT102A | Crankcase Heater (230V) (Scroll) | | 3, 4, 5 | 3, 4, 5 | 3, 5 | 3, 5 |
| BAYCCHT404B | Crankcase Heater (460V) (Scroll) | | 3, 4, 5 | 3, 4, 5 | 3, 5 | 3, 5 |
| BAYCOVR112A | 12" Duct Shroud (Covers Horizontal Ducts)[6] | | 3-5 | 3-5 | 2-5 | 2-5 |
| BAYCOVR118A | 18" Duct Shroud (Covers Horizontal Ducts)[6] | | 3-5 | 3-5 | 2-5 | 2-5 |
| BAYCURB050A | Flat Roof Full Perimeter Curb (Insulated) | 74 | 1½-3 | 3 | 2-3 | 2-3 |
| BAYCURB051A | Flat Roof Full Perimeter Curb (Insulated) | 74 | 3½-5 | 4-5 | 3½-5 | 3½-5 |
| BAYDMPR101A | 2-Position Motorized Damper[2][7][8][9][10] | | 1½-3 | 3 | 2-3 | 2-3 |
| BAYDMPR102A | 2-Position Motorized Damper[2][7][8][9][10] | | 4-5 | 4-5 | 3½-5 | 3½-5 |
| BAYECON101A | Economizer with Barometric Relief (Downflow)[1][2][3][4][10][11] | | — | — | 2-3 | 2-3 |
| BAYECON102A | Economizer with Barometric Relief (Downflow)[1][2][3][4][10][11] | | — | — | 3½-5 | 3½-5 |
| BAYECON103A | Economizer with Barometric Relief (Downflow)[1][2][3][4][10][11] | 50 | 3 | 3 | — | — |
| BAYECON104A | Economizer with Barometric Relief (Downflow)[1][2][3][4][10][11] | 65 | 4-5 | 4-5 | — | — |
| BAYECON200A | Economizer (Horizontal)[1][2][3][4][7] | | — | — | 2-3 | 2-3 |
| BAYECON201A | Economizer (Horizontal)[1][2][3][4][7] | | — | — | 3½-5 | 3½-5 |
| BAYECON203A | Economizer (Horizontal)[1][2][3][4][7] | 85 | 3 | 3 | — | — |
| BAYECON204A | Economizer (Horizontal)[1][2][3][4][7] | 85 | 4-5 | 4-5 | — | — |
| BAYECONCOMB101B | BAYECON101A, door, and filter kit | | — | — | 2-3 | 2-3 |
| BAYECONCOMB102B | BAYECON102A, door, and filter kit | | — | — | 3½-5 | 3½-5 |
| BAYECONCOMB103B | BAYECON103A, door, and filter kit | | 3 | 3 | — | — |
| BAYECONCOMB104B | BAYECON104A, door, and filter kit | | 4-5 | 4-5 | — | — |
| BAYENTH001A | Enthalpy Control Kit[3] | 2 | ✔ | ✔ | ✔ | ✔ |
| BAYEXMK001A | Extreme Conditions Mounting Kit | | ✔ | ✔ | ✔ | ✔ |
| BAYEXMK002B | Extreme Conditions Mounting Kit | | ✔ | ✔ | ✔ | ✔ |
| BAYEXMK003A | Extreme Conditions Mounting Kit (Used on Slab Mounts) | | ✔ | ✔ | ✔ | ✔ |
| BAYFLTR101C | 1-2" Filter Frame[2]-Requires one 20x25 filter (not included) | 6 | 3 | 3 | 2-3 | 2-3 |
| BAYFLTR201C | 1-2" Filter Frame[2]-Requires one 20x20, and one 20x18 filters (not included) | 6 | 4-5 | 4-5 | 3½-5 | 3½-5 |
| BAYLIFT002B | Lifting Lug Kit | 5 | ✔ | ✔ | ✔ | ✔ |
| BAYLOAM105A | Low Ambient Control Kit | 5 | ✔ | ✔ | ✔ | ✔ |
| BAYRLAY004A | Economizer Relay[1] | | — | — | ✔ | ✔ |
| BAYRLAY006A | Economizer Relay[1] | 1 | ✔ | ✔ | — | — |
| BAYOSAC001B | Outside Air Control for V.S. Economizer[13] | | 3,4,5 | 3,4,5 | — | — |
| BAYOSAH001A | Manual Fresh Air Damper[2] | 6 | 3 | 3 | 2-3 | 2-3 |
| BAYOSAH002A | Manual Fresh Air Damper[2] | 8 | 4-5 | 4-5 | 3½-5 | 3½-5 |
| BAYQSTK300A | Start Kit | | — | — | 1 Phase Only | 1 Phase Only |
| BAYSQRD001A | 16" Round Duct Adapter[5] | 5 | 3 | 3 | 2-3 | 2-3 |
| BAYSQRD002A | 18" Round Duct Adapter[5] | 3 | 4-5 | 4-5 | 2-5 | 2-5 |
| BAYUTIL101B | Roof Curb Extension Kit | | 3 | 3 | 2-3 | 2-3 |
| BAYUTIL102B | Roof Curb Extension Kit | | 4-5 | 4-5 | 3½-5 | 3½-5 |
| BAYUV101A | 21" Retrofit UVC Lamp Kit | 5 | 3 | 3 | 2-3 | 1½-3 |
| BAYUV102A | 33" Retrofit UVC Lamp Kit | 5 | 4-5 | 4-5 | 3½-5 | 3½-5 |

[1] Relay required with economizer on all heat pump applications.
[2] Must use filter frame when economizer/fresh air kit is used.
[3] Dry bulb control standard with economizer.
[4] 2-Stage cooling control required when using economizer.
[5] It is the responsibility of the installing dealer to properly size the ductwork for each specific application.
[6] BAYCOVR112,118A will not cover BAYSQRD002A applications.
[7] Does not contain barometric relief.
[8] Max fresh air - 25%.
[9] For non-continuous fan gas-heating applications, the damper opens only when the OD ambient is above 50° F.
[10] It is the designer/engineer's responsibility to review product specifications prior to equipment selection to insure optimal performance and compliance to codes.
[11] Temperature of mixed air entering the heat exchanger is monitored and fresh air intake may be reduced under certain conditions.
[12] BAYACCDOR1A requires BAYFLTR101B & BAYACCDOR2A requires BAYFLTR201B. They are not backward compatible to BAYFLTR101/201A.
[13] BAYOSAC001B is not compatible with BAYACCDOR1A or BAYACCDOR2A.

| EXISTING CURB | NEW UNIT 4TC/WC/YC/DC****A | USE BAYADAP0**A |
|---|---|---|
| BAYCURB030,38A | 018-036 | 50 |
| BAYCURB030,38A | 018-036 | 52 |
| BAYCURB030,38A | 018-036 | 51 |
| BAYCURB030,38A | 018-036 | 53 |
| BAYCURB030,38A | 018-036 | 54 |

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

# Packaged Heat Pump
# Convertible 1½-5 Tons
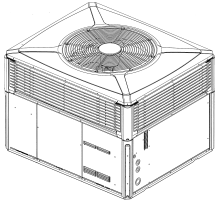
**4WCX3 Gold SI**

**Table PH-5-A — 4WCX3 - Gold SI (Previously Heritage® 13) Convertible Packaged Heat Pump - R-410A**

| Model Number | Capacity | SEER/EER | HSPF | Shipping Weight | MCA | Max Fuse | Sound Rating | Cabinet Dimensions (in.) H x D x W |
|---|---|---|---|---|---|---|---|---|
| **4WCX3 – 208-230/1/60** | | | | | | | | |
| 4WCX3018A1000A | 18,000 | 13.00/11.00 | 7.70 | 444 | 10.6 | 15 | 69 | 36 x 43 x 51 |
| 4WCX3024B1000A | 23,400 | 13.00/11.50 | 8.00 | 453 | 13.6 | 20 | 71 | 36 x 43 x 51 |
| 4WCX3030B1000A | 29,200 | 13.00/11.20 | 8.00 | 453 | 17.0 | 25 | 74 | 36 x 43 x 51 |
| 4WCX3036A1000A | 35,000 | 13.00/11.00 | 7.70 | 468 | 25.5 | 40 | 71 | 36 x 43 x 51 |
| 4WCX3042B1000A | 40,000 | 13.00/11.00 | 8.00 | 560 | 26.5 | 40 | 74 | 38 x 46 x 61 |
| 4WCX3048A1000A | 46,000 | 13.00/10.75 | 7.70 | 553 | 31.1 | 50 | 73 | 38 x 46 x 61 |
| 4WCX3060A1000A | 58,000 | 13.00/10.85 | 7.70 | 618 | 43.5 | 60 | 72 | 40 x 46 x 61 |
| **4WCX3 – 208-230/3/60** | | | | | | | | |
| 4WCX3036A3000A | 35,000 | 13.00/11.00 | 7.70 | 468 | 18.2 | 30 | 71 | 36 x 43 x 51 |
| 4WCX3048A3000A | 46,000 | 13.00/10.75 | 7.70 | 553 | 23.6 | 35 | 73 | 38 x 46 x 61 |
| 4WCX3060A3000A | 58,000 | 13.00/10.85 | 7.70 | 618 | 31.7 | 50 | 72 | 40 x 46 x 61 |
| **4WCX3 – 460/3/60** | | | | | | | | |
| 4WCX3036A4000A | 35,000 | 13.00/11.00 | 7.70 | 468 | 8.7 | 15 | 71 | 36 x 43 x 51 |
| 4WCX3048A4000A | 46,000 | 13.00/10.75 | 7.70 | 553 | 11.7 | 15 | 73 | 38 x 46 x 61 |
| 4WCX3060A4000A | 58,000 | 13.00/10.85 | 7.70 | 618 | 19.5 | 25 | 72 | 40 x 46 x 61 |
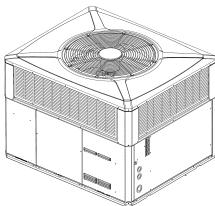
**4WCC3 Silver SI+**

**Table PH-5-B — 4WCC3 - Silver SI+ (Previously American Standard 13) Convertible Packaged Heat Pump - R-410A**

| Model Number | Capacity | SEER/EER | HSPF | Shipping Weight | MCA | Max Fuse | Sound Rating | Cabinet Dimensions (in.) H x D x W |
|---|---|---|---|---|---|---|---|---|
| **4WCC3 – 208-230/1/60** | | | | | | | | |
| 4WCC3018A1000A | 18,000 | 13.00/11.00 | 7.70 | 444 | 10.6 | 15 | 74 | 36 x 42 x 49 |
| 4WCC3024B1000A | 23,400 | 13.00/11.00 | 7.70 | 453 | 13.6 | 20 | 71 | 36 x 42 x 49 |
| 4WCC3030B1000A | 28,000 | 13.00/11.00 | 7.70 | 453 | 17.0 | 25 | 74 | 36 x 42 x 49 |
| 4WCC3036A1000A | 35,000 | 13.00/11.00 | 7.70 | 468 | 25.5 | 40 | 75 | 36 x 42 x 49 |
| 4WCC3042B1000A | 40,000 | 13.00/11.00 | 7.70 | 560 | 26.5 | 40 | 74 | 38 x 45 x 59 |
| 4WCC3048A1000A | 46,000 | 13.00/10.75 | 7.70 | 553 | 31.1 | 50 | 80 | 38 x 45 x 59 |
| 4WCC3060A1000A | 58,000 | 13.00/10.85 | 7.70 | 618 | 43.5 | 60 | 79 | 40 x 45 x 59 |
| **4WCC3 – 208-230/3/60** | | | | | | | | |
| 4WCC3036A3000A | 35,000 | 13.00/11.00 | 7.70 | 468 | 18.2 | 30 | 75 | 36 x 42 x 49 |
| 4WCC3048A3000A | 46,000 | 13.00/10.75 | 7.70 | 553 | 23.6 | 35 | 80 | 38 x 45 x 59 |
| 4WCC3060A3000A | 58,000 | 13.00/10.85 | 7.70 | 618 | 31.7 | 50 | 79 | 40 x 45 x 59 |
| **4WCC3 – 460/3/60** | | | | | | | | |
| 4WCC3036A4000A | 35,000 | 13.00/11.00 | 7.70 | 468 | 8.7 | 15 | 75 | 36 x 42 x 49 |
| 4WCC3048A4000A | 46,000 | 13.00/10.75 | 7.70 | 553 | 11.7 | 15 | 80 | 38 x 45 x 59 |
| 4WCC3060A4000A | 58,000 | 13.00/10.85 | 7.70 | 618 | 19.5 | 25 | 79 | 40 x 45 x 59 |

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Effective 1/1/13
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# American Standard
### HEATING & AIR CONDITIONING

# Packaged Heat Pump
# Convertible 1½-5 Tons

**Table PH-6-A — Features**

| | 4WCX3 1½-5 | 4WCC3 1½-5 |
|---|---|---|
| • SEER up to ................................................................................ | 13.00 | 13.00 |
| • HSPF up to................................................................................. | 8.25 | 7.70 |
| • Exclusive **Duration™** high efficiency compressor with internal overload protection........................... | ✔ | — |
| • Factory supplied charge............................................................... | R-410A | R-410A |
| • Composite **Vortica®** indoor blower............................................. | ✔ | ✔ |
| • Direct drive multi-speed indoor blower motors............................ | ✔ | ✔ |
| • All aluminum **Spine Fin™** outdoor coil....................................... | ✔ | ✔ |
| • Swept-blade outdoor fan for quiet operation .............................. | ✔ | — |
| • Architecturally integrated louvers and corner guards................... | ✔ | — |
| • All steel louvers ......................................................................... | — | ✔ |
| • Cabinet constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint.......................... | ✔ | ✔ |
| • Single stage cool........................................................................ | ✔ | ✔ |
| • Start kit - factory installed (single phase only) .......................... | 1½ - 2½ | 1½ - 2½ |
| • High pressure cutout................................................................... | ✔ | ✔ |
| • Low pressure cutout.................................................................... | ✔ | ✔ |
| • Liquid line drier - factory installed ............................................. | ✔ | ✔ |
| • Non-bleed expansion valves on indoor and outdoor coils ........... | ✔ | ✔ |
| • Pressure taps, including liquid line taps, easily accessed and protected inside compressor compartment .................................. | ✔ | ✔ |
| • Right side electrical service access for high and low voltage connections........................................................................... | ✔ | ✔ |
| • Rugged steel basepan features deep drawn duct connections ........ | ✔ | ✔ |
| • Steeply sloped composite drainpan ............................................ | ✔ | ✔ |
| • Ships in horizontal configuration and converts quickly for downflow ..... | ✔ | ✔ |
| • Copper tube, aluminum fin indoor coil ........................................ | ✔ | ✔ |
| • All models are certified to UL 1995............................................ | ✔ | ✔ |
| • **10-year compressor, 10-year outdoor coil, and 10-year all other functional parts registered limited warranty (Residential Use)①** ................ | ✔ | ✔ |
| • **Extended warranties available**................................................... | ✔ | ✔ |

① Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# American Standard
HEATING & AIR CONDITIONING

# Packaged Heat Pump
# Convertible 1½-5 Tons

**Table PH-7-A — Accessories**

| Model Number | Description | Shipping Weight | 4WCX3 1½-5 | 4WCC3 1½-5 |
|---|---|---|---|---|
| BAYACCDOR1A | Hinged Filter Access Door⑭ | | 1½-3 | 1½-3 |
| BAYACCDOR2A | Hinged Filter Access Door⑭ | | 3½-5 | 3½-5 |
| BAYADAP050A | Adapter Curb (Cabinet A/B) | | 1½-3 | 1½-3 |
| BAYADAP051A | Adapter Curb (Cabinet C) | | 1½-3 | 1½-3 |
| BAYADAP052A | Adapter Curb (Cabinet A/B) | | 3½-5 | 3½-5 |
| BAYADAP053A | Adapter Curb (Cabinet C) | | 3½-5 | 3½-5 |
| BAYADAP054A | Adapter Curb (Cabinet D) | | 3½-5 | 3½-5 |
| BAYASCT001 | Anti-Short Cycle Timer⑤ | | ✔ | ✔ |
| BAYCCHT101A | Crankcase Heater (230V) (Recip.) | | 1½ | 1½ |
| BAYCCHT102A | Crankcase Heater (230V) (Scroll) | | 2-5 | 2-5 |
| BAYCCHT404B | Crankcase Heater (460V) (Scroll) | | 3-5 | 3-5 |
| BAYCOVR112A | 12" Duct Shroud (Covers Horizontal Ducts)⑧ | | 1½-5 | 1½-5 |
| BAYCOVR118A | 18" Duct Shroud (Covers Horizontal Ducts)⑧ | | 1½-5 | 1½-5 |
| BAYCURB050A | Flat Roof Full Perimeter Curb (Insulated) | 74 | 2-3 | 1½-3 |
| BAYCURB051A | Flat Roof Full Perimeter Curb (Insulated) | 74 | 3½-5 | 3½-5 |
| BAYDMPR101A | 2-Position Motorized Damper②⑨⑩⑪⑫ | | 2-3 | 1½-3 |
| BAYDMPR102A | 2-Position Motorized Damper②⑨⑩⑪⑫ | | 3½-5 | 3½-5 |
| BAYECON101A | Economizer with Barometric Relief (Downflow)①②④⑤⑫⑬ | | 1½-3 | 1½-3 |
| BAYECON102A | Economizer with Barometric Relief (Downflow)①②④⑤⑫⑬ | | 3½-5 | 3½-5 |
| BAYECON200A | Economizer (Horizontal)①②④⑤⑨ | | 1½-3 | 1½-3 |
| BAYECON201A | Economizer (Horizontal)①②④⑤⑨ | | 3½-5 | 3½-5 |
| BAYECONCOMB101A | BAYECON101A, door, and filter kit | | 1½-3 | 1½-3 |
| BAYECONCOMB102A | BAYECON102A, door, and filter kit | | 3½-5 | 3½-5 |
| BAYENTH001A | Enthalpy Control Kit④ | 2 | ✔ | ✔ |
| BAYEXMK001A | Extreme Conditions Mounting Kit | | ✔ | ✔ |
| BAYEXMK002B | Extreme Conditions Mounting Kit | | ✔ | ✔ |
| BAYEXMK003A | Extreme Conditions Mounting Kit (Used on Slab Mounts) | | ✔ | ✔ |
| BAYFLTR101C | 1-2" Filter Frame-Requires one 20x25 filter. (not included)② | 6 | 1½-3 | 1½-3 |
| BAYFLTR201C | 1-2" Filter Frame-Requires one 20x20, and one 20x18 filters. (not included)② | 6 | 3½-5 | 3½-5 |
| BAYLIFT002B | Lifting Lug Kit | 5 | ✔ | ✔ |
| BAYLOAM105A | Low Ambient Control Kit | 5 | ✔ | ✔ |
| BAYRLAY004A | Economizer Relay① | | ✔ | ✔ |
| BAYOSAC001B | Outside Air Control for V.S. Economizer⑮ | | 3,4,5 | 3,4,5 |
| BAYOSAH001A | Manual Fresh Air Damper② | 6 | 1½-3 | 1½-3 |
| BAYOSAH002A | Manual Fresh Air Damper② | 8 | 3½-5 | 3½-5 |
| BAYQSTK300A | Start Kit | | 1 Phase Only | 1 Phase Only |
| BAYSQRD001A | 16" Round Duct Adapter⑦ | 5 | 1½-3 | 1½-3 |
| BAYSQRD002A | 18" Round Duct Adapter⑦ | 3 | 1½-5 | 1½-5 |
| BAYUTIL101B | Roof Curb Extension Kit | | 1½-3 | 1½-3 |
| BAYUTIL102B | Roof Curb Extension Kit | | 3½-5 | 3½-5 |
| BAYUV101A | 21" Retrofit UVC Lamp Kit | 5 | 1½-3 | 1½-3 |
| BAYUV102A | 33" Retrofit UVC Lamp Kit | 5 | 3½-5 | 3½-5 |

① Relay required with economizer on all heat pump applications.
② Must use filter frame when economizer/fresh air kit is used.
③ Ships knocked down.
④ Dry bulb control standard with economizer.
⑤ 2-Stage cooling control  required when using economizer.
⑥ Do not use with electronic thermostats.
⑦ It is the responsibility of the installing dealer to properly size the ductwork for each specific application.
⑧ BAYCOVR112,118A will not cover BAYSQRD002A applications.
⑨ Does not contain barometric relief.
⑩ Max fresh air - 25%.
⑪ For non-continuous fan gas-heating applications, the damper opens only when the OD ambient is above 50° F.
⑫ It is the designer/engineer's responsibility to review product specifications prior to equipment selection to insure optimal performance and compliance to codes.
⑬ Temperature of mixed air entering the heat exchanger is monitored and fresh air intake may be reduced under certain conditions.
⑭ BAYACCDOR1A requires BAYFLTR101B & BAYACCDOR2A requires BAYFLTR201B. They are not backward compatible to BAYFLTR101/201A.
⑮ BAYOSAC001B is not compatible with BAYACCDOR1A or BAYACCDOR2A.

| EXISTING CURB | NEW UNIT 4TC/WC/YC****A | USE BAYADAP0**A |
|---|---|---|
| BAYCURB030,38A | 018-036 | 50 |
| BAYCURB030,38A | 042-060 | 52 |
| BAYCURB033A | 018-036 | 51 |
| BAYCURB033A | 018-060 | 53 |
| BAYCURB034A | 042-060 | 54 |

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

*American Standard*®
HEATING & AIR CONDITIONING

# Packaged Heat Pump
# Convertible 1½-5 Tons

**Table PH-8-A — Supplementary Heaters – Separate power source /power entry required**

| Model Number | Description | Used With | Shipping Weight |
|---|---|---|---|
| BAYHTRV105E | 3.76/5.0 kW Heater (208/240V 1PH) | 4WC*3018-060^1,4024-060^1,6036-060^1 | 9 |
| BAYHTRV108E | 6.0/8.0 kW Heater (208/240V 1PH) | 4WC*3018-060^1,4024-060^1,6036-060^1 | 10 |
| BAYHTRV110E | 7.50/10.0 kW Heater (208/240V 1PH) | 4WC*3024-060^1,4024-060^1,6036-060^1 | 10 |
| BAYHTRV115E | 11.27/15.00 kW Heater (208/240V 1PH) | 4WC*3030-060^1,4030-060^1,6036-060^1 | 14 |
| BAYHTRV120E | 15.0/20.0 kW Heater (208/240V 1PH) | 4WC*3042-060^1,4048-060^1,6048-060^1 | 14 |
| BAYHTRV125E | 18.78/25.0 kW Heater (208/240V 1PH) | 4WC*3060A1,4060^1,6048-060^1 | 21 |
| BAYHTRV305E | 3.76/5.0 kW Heater (208/240V 3PH) | 4WC*3018-060A3,4036-060A3,6036-060A3 | 9 |
| BAYHTRV308E | 6.0/8.0 kW Heater (208/240V 3PH) | 4WC*3018-060A3,4036-060A3,6036-060A3 | 10 |
| BAYHTRV310E | 7.50/10.0 kW Heater (208/240V 3PH) | 4WC*3024-060A3,4036-060A3,6036-060A3 | 10 |
| BAYHTRV315E | 11.27/15.00 kW Heater (208/240V 3PH) | 4WC*3030-060A3,4036-060A3,6036-060A3 | 14 |
| BAYHTRV320E | 15.00/20.0 kW Heater (208/240V 3PH) | 4WC*3048-060A3,4048-060A3,6048-060A3 | 14 |
| BAYHTRV325E | 18.78/25.0 kW Heater (208/240V 3PH) | 4WC*3060A3,4060A3,6048-060A3 | 20 |
| BAYHTRV405E | 5.0 kW Heater (480V 3PH) | 4WC*3018-060A4,6036-060A4 | 9 |
| BAYHTRV408E | 8.0 kW Heater (480V 3PH) | 4WC*3018-060A4,6036-060A4 | 10 |
| BAYHTRV410E | 10.0 kW Heater (480V 3PH) | 4WC*3024-060A4,6036-060A4 | 10 |
| BAYHTRV415E | 15.00 kW Heater (480V 3PH) | 4WC*3030-060A4,6036-060A4 | 14 |
| BAYHTRV420E | 20.0 kW Heater (480V 3PH) | 4WC*3048-060A4,6048-060A4 | 14 |
| BAYHTRV425E | 25.0 kW Heater (480V 3PH) | 4WC*3060A4,6048-060A4 | 16 |

**Table PH-8-B — Single Power Entry Kit/Heater Matrix:**

| Single Power Entry Kit① | Heater Model | Unit Model | Shipping Weight |
|---|---|---|---|
| BAYSPEK060F | BAYHTRV105E | 4WC*3018-036^1, 4WCY4024-036^1, 4WCZ6036^1 | 3 |
| | BAYHTRV108E | 4WC*3018^1, 4WCY4024^1 | |
| BAYSPEK061E | BAYHTRV305E | 4WC*3036-060A3, 4WCY4036-060A3, 4WCZ6036-060A3 | 7 |
| | BAYHTRV308E | 4WC*3036-060A3, 4WCY4036-060A3, 4WCZ6036-060A3 | |
| | BAYHTRV310E | 4WC*3036-048A3, 4WCY4036-060A3, 4WCZ6036-048A3 | |
| | BAYHTRV405E | 4WC*3036-060A4, 4WCZ6048-060A4 | |
| | BAYHTRV408E | 4WCZ6048-060A4 | |
| | BAYHTRV410E | 4WC*3036-060A4, 4WCZ6036-060A4 | |
| | BAYHTRV415E | 4WC*3036-060A4, 4WCZ6036-060A4 | |
| | BAYHTRV420E | 4WC*3036-048A4, 4WCZ6048-060A4 | |
| BAYSPEK062F | BAYHTRV105E | 4WC*3048-060^1, 4WCY4048-060^1, 4WCZ6048-060^1 | 7 |
| | BAYHTRV108E | 4WC*3036-060^1, 4WCY4036-060^1, 4WCZ6036-060^1 | |
| | BAYHTRV110E | 4WC*3048-060^1, 4WCY4024-060^1, 4WCZ6036-060^1 | |
| BAYSPEK063F | BAYHTRV115E | 4WC*3036-060^1, 4WCY4036-060^1, 4WCZ6036-060^1 | 7 |
| | BAYHTRV120E | 4WC*3048-060^1, 4WCY4048-060^1, 4WCZ6048-060^1 | |
| BAYSPEK064E | BAYHTRV315E | 4WC*3036-060A3, 4WCY4036-060A3, 4WCZ6036-060A3 | 6 |
| | BAYHTRV320E | 4WC*3048-060A3, 4WCY4048-060A3, 4WCZ6048-060A3 | |
| BAYSPEK065E | BAYHTRV310E | 4WC*3060A3, 4WCY4060A3, 4WCZ6060A3 | 7 |

① All necessary fuses are included in kit; however, not all kits require fuses. Please refer to BAYSPEK Installers Guide.
Note: Replace "*" with "C" or "X" as appropriate.
Note: Replace "^" with "A" or "B" as appropriate.

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

# American Standard
## HEATING & AIR CONDITIONING

# Packaged Heat Pump
# Over/Under 2-5 Tons
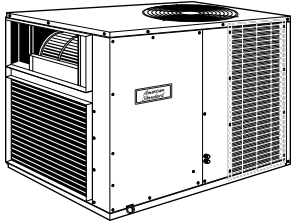
**4WHC3**
**Silver SI**

- **Duration™** compressor
- Over (supply) under (return) air
- Compressor sump heat
- Compressor internal overload protection
- Solenoid operated switchover valve
- Demand defrost control system
- Multi-speed direct drive blower motor
- High efficiency ECM indoor blower motor on 4WHC3042, 048 and 060 models
- Weather resistant Powder Paint
- Copper tube, aluminum plate fin coils
- Top discharge condensing fan
- Indoor fan relay
- Factory installed wrap-around coil guard
- Top access to supplementary heater

- Expansion valves
- Pressure taps for refrigerant checks
- Polarized plug for easy field connection of low voltage to supplementary heaters
- 4WHC3030-060 contain high efficiency indoor blower motors
- Low ambient cooling to 45°F as manufactured
- Low ambient cooling to 0°F with accessory BAYLOAM011A
- All models are certified to UL 1995
- **10-year registered limited warranty on compressor, outdoor coil and all other functional parts (Residential Use)**
- **Optional extended warranties**

**Table PH-9-A — 4WHC3 – Silver SI– Over/Under Horizontal Unit – R-410A**

| Unit Model No. | Capacity | SEER/EER | HSPF | Dimensions (in.) H x D x W | Shipping Weight (lbs.) | MCA* | Max Fuse* | Sound Rating |
|---|---|---|---|---|---|---|---|---|
| 4WHC3024A1000A | 25,400 | 13.5/12 | 7.7 | 31 x 44 x 32 | 345 | 14 | 20 | 76 |
| 4WHC3030A1000A | 29,400 | 14/12 | 8 | 31 x 44 x 32 | 345 | 19 | 30 | 75 |
| 4WHC3036A1000A | 35,600 | 13/11 | 8 | 31 x 44 x 32 | 345 | 22 | 35 | 75 |
| 4WHC3042A1000A | 41,500 | 13/11 | 7.7 | 31 x 44 x 32 | 353 | 31 | 50 | 77 |
| 4WHC3048A1000B | 47,000 | 13.5/11 | 7.7 | 33 x 58 x 45 | 520 | 37 | 50 | 80 |
| 4WHC3060A1000B | 60,000 | 13/10.8 | 7.7 | 33 x 58 x 45 | 537 | 43 | 60 | 80 |

| Tons | Supply H x W | Return H x W |
|---|---|---|
| 2 – 3$\frac{1}{2}$ | 8$\frac{3}{8}$ x 27$\frac{3}{8}$ | 16$\frac{3}{4}$ x 27$\frac{3}{8}$ |
| 4 – 5 | 8$\frac{1}{2}$ x32$\frac{1}{32}$ | 19$\frac{15}{16}$ x 32$\frac{1}{32}$ |

Dimensions are in inches. See Outline Dimensions.
* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
Compressor Types are:  R1 = Reciprocating One Cylinder,  R2 = Reciprocating Two Cylinder,  S = Scroll

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

*American Standard*
HEATING & AIR CONDITIONING

# Packaged Heat Pump
# Convertible 3-10 Tons

Beveled Top
Smoother Design
Small compact cabinet
Recessed access handles

## Standard Features:
• American Standard Heating & Air Conditioning scroll compressors on all 3-10 ton units
• ReliaTel™ Controls **(See page PC-17 for ReliaTel™ Control Information)**
• Thermal Expansion Valve
• Colored and numbered wiring
• Phase Monitor, R-410A, 3 Phase Units
• Provisions for through the Base Condensate Drain Connections
• Patented Hybrid Condenser Coil for easy cleaning
• 2" throwaway filters provided on 3-10 ton units
• Liquid Line Refrigerant Drier
• Operating Charge of R-410A
• IAQ Sloped Drain Pans
• Single point power for electric Heat
• Low Ambient cooling to 0°F
• Anti-Short Cycle Timer (Standard with ReliaTel™)
• 5 - year Limited Compressor Warranty
• 1 - year Limited Parts Warranty

## Added Flexibility
• Convertible airflow
• Fork lift openings on three sides of unit
• Direct or belt drive - standard or oversized motors (Direct for 3-5 ton only)
• We don't prepackage options
• Choose options tailored to suit each job —pay only for what is needed
• Units ship with options installed —and within our standard ship cycle time

## Factory Installed Options

• Through-the-Base — Electrical
• Convenience Outlet — Powered or unpowered
• Unit Disconnect Switch
• Circuit Breaker
• Smoke Detectors — Supply, return, or both
• Condenser Coil Coating
• Hinged Access Service Panels
• Discharge Air Sensor
• Fan Fail and Clogged Filter Switches
• Condenser Coil Guard — Hail Protection Quality
• Comm 3/4 Communication Interface
• Frostat
• 2" MERV 8 filters or 2" MERV 13 filters
• Black Epoxy Pre-Coated Coils
• Crankcase Heaters
• Multi-Speed & Single Zone VAV ID Airflow
• Demand Control Ventilation
• Stainless Steel Drainpan
• Condensate Drainpan Overflow Switch

**The same American Standard Heating & Air Conditioning Quality and Reliability … with added Flexibility!**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

PH-10

Effective 1/1/13
14-1011-29

![American Standard - HEATING & AIR CONDITIONING]

# Packaged Heat Pump
# Convertible 3-10 Tons

**Table PH-11-A — Base Unit — Standard Efficiency — ReliaTel™ Microprocessor Controls**

| Tons | Unit Ordering No. | Performance② SEER/EER | Cooling Capacity (Btuh) | Cabinet Dimensions (in.) H x D x W | Downflow Supply | Downflow Return | Shipping Weight (lbs.) | MCA* | Max① Fuse* |
|---|---|---|---|---|---|---|---|---|---|
| **WSC – 208-230/1/60 – Single Phase – No Heat** | | | | | | | | | |
| 3 | WSC036E1R0A0000 | 13.0 | 37,650 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 589 | 31.2 | 45 |
| 4 | WSC048E1R0A0000 | 13.0 | 49,040 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 600 | 38.9 | 60 |
| 5 | WSC060E1R0A0000 | 13.0 | 58,360 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 825 | 44.6 | 70 |
| **WSC – 208-230/3/60 – Three Phase – No Heat** | | | | | | | | | |
| 3 | WSC036E3R0A0000 | 13.0 | 38,030 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 589 | 23.8 | 35 |
| 4 | WSC048E3R0A0000 | 13.0 | 50,130 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 600 | 27.5 | 40 |
| 5 | WSC060E3R0A0000 | 13.0 | 63,440 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 825 | 30.2 | 45 |
| 6 | WSC072E3*0A0000 | 11.4 | 78,000 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 835 | 36.3 | 50 |
| 7½ | WSC090E3*0A0000 | 11.1 | 94,000 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 902 | 38.4 | 60 |
| 10 | WSC120E3*0A0000 | 11.2 | 126,000 | 51 x 63 x 100 | 33 x 17.5 | 32.25 x 17.5 | 1388 | 51.9 | 60 |
| **WSC – 460/3/60 – Three Phase – No Heat** | | | | | | | | | |
| 3 | WSC036E4R0A0000 | 13.0 | 38,030 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 589 | 11.4 | 15 |
| 4 | WSC048E4R0A0000 | 13.0 | 50,130 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 600 | 12.3 | 15 |
| 5 | WSC060E4R0A0000 | 13.0 | 63,440 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 825 | 14.7 | 20 |
| 6 | WSC072E4*0A0000 | 11.4 | 78,000 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 835 | 20.3 | 30 |
| 7½ | WSC090E4*0A0000 | 11.1 | 94,000 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 902 | 19 | 30 |
| 10 | WSC120E4*0A0000 | 11.2 | 126,000 | 51 x 63 x 100 | 33 x 17.5 | 32.25 x 17.5 | 1388 | 26.1 | 35 |
| **WSC – 575/3/60 – Three Phase – No Heat** | | | | | | | | | |
| 3 | WSC036EWR0A0000 | 13.0 | 38,030 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 589 | 8.8 | 15 |
| 4 | WSC048EWR0A0000 | 13.0 | 50,130 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 600 | 9.5 | 15 |
| 5 | WSC060EWR0A0000 | 13.0 | 63,440 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 825 | 11.0 | 15 |
| 6 | WSC072EW0A0000 | 11.4 | 78,000 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 835 | 12.4 | 20 |
| 7½ | WSC090EW0A0000 | 11.1 | 94,000 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 902 | 14.5 | 20 |
| 10 | WSC120EW0A0000 | 11.2 | 126,000 | 51 x 63 x 100 | 33 x 17.5 | 32.25 x 17.5 | 1388 | 21.1 | 25 |

**\*** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
① HCAR breaker per NEC.
② SEER applies, 3-5 tons; EER applies 6-10 tons.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Packaged Heat Pump Convertible 3-10 Tons (Model Digit Numbers)

| Digit | Description | Order Number |
|---|---|---|
| 1-8 | **Main Assembly (see previous page)** | |
| 9 | **Unit Controls** | |
| | ReliaTel™ Micro-processor | R |
| 10 | **(See Heater Table below)** | |
| 11 | **Minor Design Sequence** | |
| | First Sequence | A |
| 12-13 | **Service Sequence** | |
| | First Sequence (Factory Assiged) | *,* |
| 14 | **Fresh Air Selection** | |
| | No Fresh Air | 0 |
| | Manual Outside Air Damper 0-50%② | A |
| | Motorized Outside Air Damper 0-50%⑫ | B |
| | Economizer, Dry Bulb 0-100% without Barometric Relief⑤ | C |
| | Economizer, Dry Bulb 0-100% with Barometric Relief⑤ | D |
| | Economizer, Reference Enthalpy 0-100% without Barometric Relief⑤ | E |
| | Economizer, Reference Enthalpy 0-100% with Barometric Relief⑤ | F |
| | Economizer, Comparative Enthalpy 0-100% without Barometric Relief⑤ | G |
| | Economizer, Comparative Enthalpy 0-100% with Barometric Relief⑤ | H |
| 15 | **Supply Fan/Drive Type/Motor** | |
| | Standard Drive④ | 0 |
| | Oversized Motor | 1 |
| | Optional Belt Drive Motor | 2 |
| | Single Zone Variable Air Volume (SZVAV) | 6 |
| | Multi-Speed Indoor Fan⑭ | 7 |
| 16 | **Hinged Service Access/Filters** | |
| | Standard Panels/Standard Filters | 0 |
| | Hinged Access Panels/Standard Filters | A |
| | Standard Panels/2" MERV 8 Filters | B |
| | Hinged Access Panels/2" MERV 8 Filters | C |
| | Standard Panels/2" MERV 13 Filters | D |
| | Hinged Access Panels/2" MERV 13 Filters | E |
| 17 | **Condenser Coil Protection** | |
| | Standard Coil | 0 |
| | Standard Coil with Hail Guard | 1 |
| | Black Epoxy Pre-Coated Condenser Coil | 2 |
| | Black Epoxy Pre-Coated Condenser Coil with Hail Guard | 3 |
| 18 | **Through the Base Provisions** | |
| | No Through the Base Provisions | 0 |
| | Through the Base Electric⑥ | A |
| 19 | **Disconnect/Circuit Breaker (three-phase only)** | |
| | No Disconnect/No Circuit Breaker | 0 |
| | Unit Mounted Non-Fused Disconnect⑥ | 1 |
| | Unit Mounted Circuit Breaker⑥ | 2 |
| 20 | **Convenience Outlet** | |
| | No Convenience Outlet | 0 |
| | Unpowered Convenience Outlet | A |
| | Powered Convenience Outlet (three-phase only)⑦ | B |

| Digit | Description | Order Number |
|---|---|---|
| 21 | **Communications Options** | |
| | No Communications Interface | 0 |
| | BACnet™ Communications Interface | 6 |
| 22 | **Refrigeration System Option** | |
| | Standard Refrigeration System⑧ | 0 |
| 23 | **Refrigeration Controls** | |
| | No Refrigeration Control③ | 0 |
| | Frostat⑬ | 1 |
| | Crankcase Heater⑪ | 2 |
| | Frostat and Crankcase Heater⑪⑬ | 3 |
| 24 | **Smoke Detector** | |
| | No Smoke Detector | 0 |
| | Return Air Smoke Detector⑨ | A |
| | Supply Air Smoke Detector | B |
| | Supply and Return Air Smoke Detectors⑨ | C |
| | Plenum Smoke Detector | D |
| 25 | **System Monitoring Controls** | |
| | No Monitoring Control | 0 |
| | Clogged Filter Switch | 1 |
| | Fan Failure Switch | 2 |
| | Discharge Air SensingTube | 3 |
| | Clogged Filter Switch and Fan Fail Switch | 4 |
| | Clogged Filter Switch and Discharge Air SensingTube | 5 |
| | Fan Fail Switch and Discharge Air SensingTube | 6 |
| | Clogged Filter and Fan Fail Switches and Discharge Air SensingTube | 7 |
| | Condensate Drain Pan Overflow Switch | A |
| | Clogged Filter Switch and Condensate Drain Pan Overflow Switch | B |
| | Fan Failure Switch and Condensate Drain Pan Overflow Switch | C |
| | Discharge Air Sensing and Condensate Drain Pan Overflow Switch | D |
| | Clogged Filter Switch, Fan Failure Switch and Condensate Drain Pan Overflow Switch | E |
| | Clogged Filter Switch, Discharge Air SensingTube and Condensate Drain Pan Overflow Switch | F |
| | Fan Failure Switch, Discharge Air SensingTube and Condensate Drain Pan Overflow Switch | G |
| | Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing and Condensate Drain Pan Overflow Switch | H |
| 26 | **System Monitoring Controls** | |
| | No Monitoring Controls | 0 |
| | Demand Control Ventilation (CO₂)⑮ | A |
| 27 | **Unit Hardware Enhancements** | |
| | No Enhancements | 0 |
| | Stainless Steel Drain Pan | 1 |

① Available on 3-5 ton models.
② Manual outside air damper will ship factory supplied within the unit, but must be field installed.
③ High pressure control is standard on all units.
④ Multispeed direct drive standard on single-phase products. Belt drive standard on three-phase 3-7½ ton. Variable speed direct drive standard on 10 ton.
⑤ Economizer with Barometric Relief is for downflow configured units only. Order Economizer without Barometric Relief for horizontal configuration. Barometric Relief for horizontal configured units must be ordered as field installed accessory.
⑥ Through the base electric required when ordering disconnect/circuit breaker options.
⑦ Requires use of Disconnect or Circuit Breaker.
⑧ Standard metering devices are TXVs.
⑨ The return air smoke detector may not fit up or work properly on the Precedent units when used in conjunction with 3rd party accessories such as bolt on heat wheels, economizers and power exhaust. Do not order the return air smoke detectors when using this type of accessory.

⑩ Requires hinged access panels.
⑪ Crankcase heaters are only available as option on WSC036E, WSC048E1, & WSC060E1. CCH are standard on all other units.
⑫ Motorized outside air damper is not available on Multi-Speed or SZVAV (Single Zone Variable Air Volume) products.
⑬ Frostat standard on Multi-speed and SZVAV (Single Zone Variable Air Volume) products.
⑭ Multi-speed indoor fan only available on 10 ton products.
⑮ Demand Control Ventilation Option includes wiring only. The C0₂ sensor is a field-installed only option.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Effective 1/1/13
14-1011-29

![American Standard - HEATING & AIR CONDITIONING]

# Packaged Heat Pump Convertible 3-10 Tons (Model Digit Numbers)

**Heaters (Digit 10)**

| kW Rating | Digit | Nominal BTUH | No. Stages | Used With | kW Rating | Digit | Nominal BTUH | No. Stages | Used With |
|---|---|---|---|---|---|---|---|---|---|
| **208/240/1/60** | | | | | **460/3/60** | | | | |
| 3.8/5.0 | (A) | 12,800/17,100 | 1 | WSC036-060E1 | 6.0 | (B) | 20,500 | 1 | WSC036-060E4 |
| 7.5/10.0 | (D) | 25,600/34,100 | 2 | WSC036-060E1 | 12.0 | (E) | 41,000 | 2 | WSC036-060E4 |
| 10.4/13.8 | (F) | 35,300/47,100 | 2 | WSC036-060E1 | 17.4 | (G) | 59,400 | 2 | WSC036-060E4 |
| 13.2/17.6 | (G) | 45,100/60,100 | 2 | WSC048-060E1 | 23.0 | (J) | 78,500 | 2 | WSC060E4 |
| **208/240/3/60** | | | | | 9.0 | (C) | 30,700 | 1 | W*C072-090E4 |
| 4.5/6.0 | (B) | 13,400/20,500 | 1 | WSC036-060E3 | 18.0 | (G) | 61,400 | 1 | W*C072-120E4 |
| 9.0/12.0 | (E) | 30,800/59,400 | 2 | WSC036-060E3 | 27.0 | (K) | 92,100 | 2 | W*C072-120E4 |
| 13.1/17.4 | (G) | 44,600/59,400 | 2 | WSC036-060E3 | 36.0 | (N) | 122,900 | 2 | W*C072-120E4 |
| 17.3/23.0 | (J) | 58,900/78,500 | 2 | WSC060E3 | 54.0 | (P) | 184,300 | 2 | W*C120E4 |
| 6.75/9.0 | (C) | 23,000/30,700 | 1 | W*C072-090E3 | **575/3/60** | | | | |
| 13.5/18.0 | (G) | 46,100/61,400 | 1 | W*C072-120E3 | 6.0 | (B) | 20,500 | 1 | WSC036-060EW |
| 20.3/27.0 | (K) | 69,000/92,100 | 2 | W*C072-120E3 | 12.0 | (E) | 41,000 | 2 | WSC036-060EW |
| 27.0/36.0 | (N) | 92,200/122,900 | 2 | W*C072-120E3 | 17.4 | (G) | 59,400 | 2 | WSC036-060EW |
| 40.5/54.0 | (P) | 138,200/184,300 | 2 | W*C120E3 | 23.0 | (J) | 78,500 | 2 | WSC060EW |
| | | | | | 9.0 | (C) | 30,700 | 1 | W*C072-090EW |
| | | | | | 18.0 | (G) | 61,400 | 1 | W*C072-120EW |
| | | | | | 27.0 | (K) | 92,100 | 2 | W*C072-120EW |
| | | | | | 36.0 | (N) | 122,900 | 2 | W*C072-120EW |
| | | | | | 54.0 | (P) | 184,300 | 2 | W*C120EW |

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

PH-13

Effective 1/1/13
14-1011-29

American Standard ®
HEATING & AIR CONDITIONING

# Packaged Heat Pump Convertible 3-5 Tons, Electric Heaters

**Table PH-14-A — Accessory Electric Heaters – Unit with heater is single circuit / single point power entry**

| Model Number | Power Supply | kW Rating | Nominal BTUH | No. Stages | Used With |
|---|---|---|---|---|---|
| BAYHTRE105A | 208-230/1/60 | 3.8/5.0 | 12,900/13,400 | 1 | WSC036-048E1 |
| BAYHTRE110A | 208-230/1/60 | 7.5/10.0 | 25,600/34,000 | 2 | WSC036-048E1 |
| BAYHTRE114A | 208-230/1/60 | 10.4/13.8 | 35,000/47,100 | 2 | WSC036-048E1 |
| BAYHTRE118A | 208-230/1/60 | 13.2/17.6 | 45,100/60,100 | 2 | WSC048E1 |
| | | | | | |
| BAYHTRE306B | 208-230/3/60 | 4.5/6.0 | 13,400/20,500 | 1 | WSC036-048E3 |
| BAYHTRE312B | 208-230/3/60 | 9.0/12.0 | 30,800/41,000 | 2 | WSC036-048E3 |
| BAYHTRE318B | 208-230/3/60 | 13.0/17.4 | 44,600/59,400 | 2 | WSC036-048E3 |
| | | | | | |
| BAYHTRE406B | 460/3/60 | 6.0 | 20,500 | 1 | WSC036-048E4 |
| BAYHTRE412B | 460/3/60 | 12.0 | 41,000 | 2 | WSC036-048E4 |
| BAYHTRE418B | 460/3/60 | 17.4 | 59,400 | 2 | WSC036-048E4 |
| | | | | | |
| BAYHTREW06B | 575/3/60 | 6.0 | 20,500 | 1 | WSC036-048EW |
| BAYHTREW12B | 575/3/60 | 12.0 | 41,000 | 2 | WSC036-048EW |
| BAYHTREW18B | 575/3/60 | 17.4 | 59,400 | 2 | WSC036-048EW |

**Table PH-14-B — Accessory Electric Heaters – Unit with heater is single circuit / single point power entry (5 Ton Only)**

| Model Number | Power Supply | kW Rating | Nominal BTUH | No. Stages | Used With |
|---|---|---|---|---|---|
| BAYHTRX105A | 208-230/1/60 | 3.8/5.0 | 12,900/13,400 | 1 | WSC060E1 |
| BAYHTRX110A | 208-230/1/60 | 7.5/10.0 | 25,600/34,000 | 2 | WSC060E1 |
| BAYHTRX114A | 208-230/1/60 | 10.4/13.8 | 35,000/47,100 | 2 | WSC060E1 |
| BAYHTRX118A | 208-230/1/60 | 13.2/17.6 | 45,100/60,100 | 2 | WSC060E1 |
| | | | | | |
| BAYHTRX306B | 208-230/3/60 | 4.5/6.0 | 13,400/20,500 | 1 | WSC060E3 |
| BAYHTRX312B | 208-230/3/60 | 9.0/12.0 | 30,800/41,000 | 2 | WSC060E3 |
| BAYHTRX318B | 208-230/3/60 | 13.0/17.4 | 44,600/59,400 | 2 | WSC060E3 |
| BAYHTRX323B | 208-230/3/60 | 17.3/23.0 | 59,000/78,500 | 2 | WSC060E3 |
| | | | | | |
| BAYHTRX406B | 460/3/60 | 6.0 | 20,500 | 1 | WSC060E4 |
| BAYHTRX412B | 460/3/60 | 12.0 | 41,000 | 2 | WSC060E4 |
| BAYHTRX418B | 460/3/60 | 18.0 | 59,400 | 2 | WSC060E4 |
| BAYHTRX423B | 460/3/60 | 23.0 | 78,500 | 2 | WSC060E4 |
| | | | | | |
| BAYHTRXW06B | 575/3/60 | 6.0 | 20,500 | 1 | WSC060EW |
| BAYHTRXW12B | 575/3/60 | 12.0 | 41,000 | 2 | WSC060EW |
| BAYHTRXW18B | 575/3/60 | 18.0 | 59,400 | 2 | WSC060EW |
| BAYHTRXW23B | 575/3/60 | 23.0 | 78,500 | 2 | WSC060EW |

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Effective 1/1/13
14-1011-29

# Packaged Heat Pump Convertible 6-10 Tons, Electric Heaters and Zone Sensors

**Table PH-15-A — Accessory Electric Heaters – Unit with heater is single circuit / single point power entry**

| Model Number | Power Supply | kW Rating | Nominal BTUH | No. Stages | Used With |
|---|---|---|---|---|---|
| BAYHTRW309A | 208-230/3/60 | 6.8/9.0 | 23,000/30,700 | 1 | WSC072E3 |
| BAYHTRW318A | 208-230/3/60 | 13.5/18.0 | 46,100/61,400 | 1 | WSC072E3 |
| BAYHTRW327A | 208-230/3/60 | 20.3/27.0 | 69,000/92,100 | 2 | WSC072E3 |
| BAYHTRW336A | 208-230/3/60 | 27.0/36.0 | 92,100/122,900 | 2 | WSC072E3 |
| BAYHTRU309A | 208-230/3/60 | 6.8/9.0 | 23,000/30,700 | 1 | WSC090E3 |
| BAYHTRU318A | 208-230/3/60 | 13.5/18.0 | 46,100/61,400 | 1 | WSC090E3 |
| BAYHTRU327A | 208-230/3/60 | 20.3/27.0 | 69,000/92,100 | 2 | WSC090E3 |
| BAYHTRU336A | 208-230/3/60 | 27.0/36.0 | 92,100/122,900 | 2 | WSC090E3 |
| BAYHTRB318A | 208-230/3/60 | 13.5/18.0 | 46,100/61,400 | 1 | WSC120E3 |
| BAYHTRB327A | 208-230/3/60 | 20.3/27.0 | 69,000/92,100 | 2 | WSC120E3 |
| BAYHTRB336A | 208-230/3/60 | 27.0/36.0 | 92,100/122,900 | 2 | WSC120E3 |
| BAYHTRB354A | 208-230/3/60 | 40.6/54.0 | 138,000/184,300 | 2 | WSC120E |
| BAYHTRW409A | 460/3/60 | 9.0 | 30,700 | 1 | WSC072E4 |
| BAYHTRW418A | 460/3/60 | 18.0 | 61,400 | 1 | WSC072E4 |
| BAYHTRW427A | 460/3/60 | 27.0 | 92,100 | 2 | WSC072E4 |
| BAYHTRW436A | 460/3/60 | 36.0 | 122,900 | 2 | WSC072E4 |
| BAYHTRU409A | 460/3/60 | 9.0 | 30,700 | 1 | WSC090E4 |
| BAYHTRU418A | 460/3/60 | 18.0 | 61,400 | 1 | WSC090E4 |
| BAYHTRU427A | 460/3/60 | 27.0 | 92,100 | 2 | WSC090E4 |
| BAYHTRU436A | 460/3/60 | 36.0 | 122,900 | 2 | WSC090E4 |
| BAYHTRB418A | 460/3/60 | 18.0 | 61,400 | 1 | WSC120E4 |
| BAYHTRB427A | 460/3/60 | 27.0 | 92,100 | 2 | WSC120E4 |
| BAYHTRB436A | 460/3/60 | 36.0 | 122,900 | 2 | WSC120E4 |
| BAYHTRB454A | 460/3/60 | 54.0 | 184,300 | 2 | WSC120E4 |
| BAYHTRWW18A | 575/3/60 | 18.0 | 61,400 | 1 | WSC072EW |
| BAYHTRWW27A | 575/3/60 | 27.0 | 92,100 | 2 | WSC072EW |
| BAYHTRWW36A | 575/3/60 | 36.0 | 122,900 | 2 | WSC072EW |
| BAYHTRUW18A | 575/3/60 | 18.0 | 61,400 | 1 | WSC090EW |
| BAYHTRUW27A | 575/3/60 | 27.0 | 92,100 | 2 | WSC090EW |
| BAYHTRUW36A | 575/3/60 | 36.0 | 122,900 | 2 | WSC090EW |
| BAYHTRBW18A | 575/3/60 | 18.0 | 61,400 | 1 | WSC120EW |
| BAYHTRBW36A | 575/3/60 | 36.0 | 122,900 | 2 | WSC120EW |
| BAYHTRBW54A | 575/3/60 | 54.0 | 184,300 | 2 | WSC120EW |

**Table PH-15-B — Zone Sensors for ReliaTel™ Controlled Units**

| Model Number | Description | Used With |
|---|---|---|
| BAYMTPL103A | Retrofit Wall Cover Plate Kit 7.25" x 6.0" | ASYSTAT777A |
| ASYSTAT107A | Single Setpoint Manual Changeover | WSC036-120E |
| ASYSTAT109A | Dual Setpoint Manual or Auto Changeover | WSC036-120E |
| ASYSTAT111A | Remote Room Sensor | ASYSTAT777A |
| ASYSTAT777A | Programmable Night Setback w/System Function Lights (Vertical Style) | WSC036-120E |

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Packaged Heat Pump
# Convertible 3-10 Tons Accessories

**Table PH-16-A — Accessories**

| Model Number | Description | Used With |
|---|---|---|
| BAYABRD001C[4] | ReliaTel™ Options Module | All WSC036-120E, See Note[4] |
| BAYBARM010A[2] | Barometric Relief | WSC036-048E |
| BAYBARM011A[2] | Barometric Relief | WSC060-120E |
| BAYBCIR001A | Bacnet™ Communication Interface | ReliaTel™ Controller (BCI-R) |
| BAYCCHT010B | Crankcase Heater | WSC036E1, E3, WSC048E1 |
| BAYCCHT011B | Crankcase Heater | WSC036E4, EW |
| BAYCCHT017A | Crankcase Heater | WSC060E1 |
| ASYSTAT712B | $CO_2$ Sensor Kit, Wall Mounted | All WSC036-120E |
| ASYSTAT714B | $CO_2$ Sensor Kit, Duct Mounted | All WSC036-120E |
| BAYCURB042A[3] | Roof Curb | WSC036-048E |
| BAYCURB043A[3] | Roof Curb | WSC060-090E |
| BAYCURB044A[3] | Roof Curb | WSC120E |
| BAYDFPS003B[4] | Clogged Filter Switch (w/Standard & MERV 7 Filter) | All WSC036-120E |
| BAYDFPS014A[4] | Clogged Filter Switch (MERV 13 Filter) | All WSC036-120E |
| BAYDFPS004A[4] | Fan Failure Switch | All WSC036-120E |
| BAYDMPR053B[6] | 0-50% Manual Outside Air Damper | WSC036-048E |
| BAYDMPR056B[6] | 0-50% Manual Outside Air Damper | WSC060-120E |
| BAYDMPR051A | 0-50% Motorized Outside Air Damper | WSC036-048E |
| BAYDMPR054A | 0-50% Motorized Outside Air Damper | WSC060-120E |
| BAYECON085A | 0-100% Economizer without Barometric Relief | WSC036-048E |
| BAYECON087A | 0-100% Economizer without Barometric Relief | WSC060-120E |
| BAYENTH005A[1] | Reference Enthalpy Kit | BAYECON085A, 087A |
| BAYENTH006A[1] | Comparative Enthalpy Kit | BAYECON085A, 087A |
| BAYFRST003A[5] | High Temperature Stat | All WSC036-120E |
| BAYGARD037B | Condenser Coil Hail Guard | WSC036-048E |
| BAYGARD040A | Condenser Coil Hail Guard | WSC060E-072E |
| BAYGARD041A | Condenser Coil Hail Guard | WSC090E |
| BAYGARD070A | Condenser Coil Hail Guard | WSC120E |

[1] Kits contain all necessary parts to achieve desired level of enthalpy control.
[2] Barometric Relief accessory installs in ductwork for horizontal configuration. For downflow configuration, installs on the unit's horizontal return duct. Panel see Installer's Guide for complete instructions.
[3] Lynn Haven manufacturing has a no return policy for this roof curb.
[4] BAYABRD001C is required when ordering field installed accessories Clogged Filter Switch (BAYDFPS003A), Fan Fail Switch (BAYDFPS004A), Discharge Air Sensing Kit (BAYTUBE005A or BAYTUBE007A) or Evaporator Defrost Control (Frostat) (BAYLOAM020B) Ventilation Override Kit (BAYVNOR001B) unless the following options are factory installed: Frostat, Smoke Detector, Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing Kit. These factory installed options Include the ReliaTel™ Options Module.
[5] Cannot be used in conjunction with factory installed smoke detector.
[6] The manual outside air damper will ship factory supplied within the unit, but must be field installed.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Packaged Heat Pump
# Convertible 3-10 Tons Accessories

**Table PH-17-A — Accessories**

| Model Number | Description | Used With |
|---|---|---|
| BAYHSMT403A | 2 HP Belt Drive Oversized Motor | WSC072E3, E4 |
| BAYHSMT404A | 2 HP Belt Drive Oversized Motor | WSC072EW |
| BAYHSMT400A | 3 HP Belt Drive Oversized Motor | WSC090E3, E4 |
| BAYHSMT401A | 3 HP Belt Drive Oversized Motor | WSC090EW |
| BAYLSDR009A | Low Static Drive | WSC090E* |
| BAYKSKT255B | Start Kit | WSC036-060E1 |
| BAYPWRX070A | Power Exhaust (208-230/3) | WSC036-060E3 |
| BAYPWRX071A | Power Exhaust (460/3) | WSC036-060E4 |
| BAYPWRX072A | Power Exhaust (575/3) | WSC036-060EW |
| BAYPWRX026A[6] | Power Exhaust (208-230/3) | WSC072-120E3 |
| BAYPWRX027A[6] | Power Exhaust (460/3) | WSC072-120E4 |
| BAYPWRX028A[6] | Power Exhaust (575/3) | WSC072-120EW |
| BAYQACB009A[2][3] | Quick Adapt Roof Curb | WSC036-048E |
| BAYQACB010A[2][3] | Quick Adapt Roof Curb | WSC036-048E |
| BAYQACB011A[2][8] | Quick Adapt Roof Curb | WSC060-090E |
| BAYQACB012A[2][8] | Quick Adapt Roof Curb | WSC060-090E |
| BAYQACB013A[2][8] | Quick Adapt Roof Curb | WSC060-090E |
| BAYQACB111A[2][3] | Quick Adapt Roof Curb | WSC120E |
| BAYQACB112A[2][3] | Quick Adapt Roof Curb | WSC120E |
| BAYQACB113A[2][3] | Quick Adapt Roof Curb | WSC120E |
| BAYRTEM001A[8] | Fully Featured ReliaTel™ Economizer Logic Model | WSE036-120E |
| BAYSENS250A[3][11] | $CO_2$ Duct Mounted, Sensor Only | WSC036-120E (ReliaTel™) |
| BAYSENS251A[3][11] | $CO_2$ Wall Mounted, Sensor Only | WSC036-120E (ReliaTel™) |
| BAYSERV001A | Selective Resistance Service Tester | All WSC036-120E |
| BAYSTAT023 | Remote Potentiometer | All WSC036-120E |
| BAYTUBE005A[1][4] | Discharge Air Sensing Kit | WSC036-048E |
| BAYTUBE007A[1][4] | Discharge Air Sensing Kit | WSC060-090E |
| BAYTUBE403A[1][4] | Discharge Air Sensing Kit | WSC120E |
| BAYVNOR001B[9][4] | Ventilation Override Kit w/ReliaTel™ options module | All WSC036-120E |

[1] Used for true discharge air sensing in both heating and cooling. Required for supply air tempering.
[2] Lynn Haven manufacturing has a no return policy for this roof curb.
[3] BAYQACB009A adapts WCD models BAYCURB021A roof curb to accept WSC036-048 units. BAYQACB010A adapts WCD models BAYCURB022A roof curb to accept WSC036-048 units. BAYQACB111A adapts WCD models BAYCURB022 roof curb to accept WSC120E. BAYQACB112A adapts WCD models BAYCURB025 roof curb to accept WSC120E. BAYQACB113A adapts WCD models BAYCURB026 roof curb to accept WSC120E.
[4] BAYABRD001C is required when ordering field installed accessories Clogged Filter Switch (BAYDFPS003A), Fan Fail Switch (BAYDFPS004A), Discharge Air Sensing Kit (BAYTUBE005A or BAYTUBE007A) or Evaporator Defrost Control (Frostat) (BAYLOAM020B) Ventilation Override Kit (BAYVNOR001B) unless the following options are factory installed: Frostat, Smoke Detector, Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing Kit. These factory installed options Include the ReliaTel™ Options Module.
[5] Power Exhaust cannot be used with Barometric Relief. Order Economizer without Barometric Relief.
[6] BAYQACB012A adapts WCD models BAYCURB025 roof curb to accept WSC072-120 units. BAYQACB011A adapts WCD models BAYCURB022B roof curb to accept WSC072-120 units.
[7] BAYQACB013A adapts WCD models BAYCURB026 roof curb to accept WSC060-090E.
Field installed accessory. Requires an economizer.
[8] If any version of comparative or reference enthalpy is ordered, BAYRTEM001A does not need to be ordered.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Packaged Heat Pump with ReliaTel™ Controls 12½-20 Tons
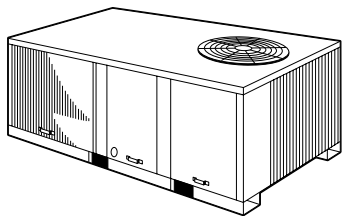


**12½ – 20 Ton WSD—Downflow**
**12½ – 20 Ton WSH—Horizontal**

- EER up to 10.6
- **ReliaTel™** processor control features are listed on page PC-17
- Built-in anti-short cycle, time-delay relay and minimum on time controls
- 2" filters for 12½ - 20 ton units
- Liquid line drier
- Built-in fork lift holes
- Operating charge of R-410A
- Quick-Sess service panels slide in and out
- Scroll compressors
- Dedicated horizontal and downflow designs
- Single-side access

- Single point power for electric heat
- Complete line of optional electric heaters
- Internally enhanced coil tubing
- Low ambient to 0°F standard
- Colored and numbered wiring
- Common cabinet and accessories Cooling only and Gas/Electric Heat models
- Quick-adjust idler arm pulley
- **5-year limited compressor warranty (12½ – 15 tons)**
- **1-year limited parts warranty**
- **1-year limited compressor warranty (20 tons)**

**Table PH-18-A — Standard — ReliaTel™ Units (R-410A)**

| Tons | Unit Model No. | Power Supply Volts/Phase/Hz | Performance EER (1Ø) | Cooling Capacity (Btuh) | Dimensions (in.) H x W x L | Shipping Weight (lbs.) | MCA⑤ | Max Fuse Size or④ Max Circuit Breaker | Downflow Roofcurb |
|---|---|---|---|---|---|---|---|---|---|
| 12½ | WS*150E3R0A0000 | 208-230/3/60 | 10.6 | 148,000 | 54 x 85$^5/_{16}$ x 122$^5/_{16}$ | 2340 | 68 | 80 | BAYCURB027B |
| 15 | WS*180E3R0A0000 | 208-230/3/60 | 10.6 | 177,000 | 54 x 85$^5/_{16}$ x 122$^5/_{16}$ | 2435 | 74 | 90 | BAYCURB027B |
| 20 | WS*240E3R0A0000 | 208-230/3/60 | 9.7 | 249,000 | 64$^1/_8$ x 85$^5/_{16}$ x 122$^5/_{16}$ | 2566 | 116 | 150 | BAYCURB027B |
| 12½ | WS*150E4R0A0000 | 460/3/60 | 10.6 | 148,000 | 54 x 85$^5/_{16}$ x 122$^5/_{16}$ | 2340 | 32 | 40 | BAYCURB027B |
| 15 | WS*180E4R0A0000 | 460/3/60 | 10.6 | 177,000 | 54 x 85$^5/_{16}$ x 122$^5/_{16}$ | 2435 | 36 | 45 | BAYCURB027B |
| 20 | WS*240E4R0A0000 | 460/3/60 | 9.7 | 249,000 | 64$^1/_8$ x 85$^5/_{16}$ x 122$^5/_{16}$ | 2566 | 53 | 60 | BAYCURB027B |
| 12½ | WS*150EWR0A0000 | 575/3/60 | 10.6 | 148,000 | 54 x 85$^5/_{16}$ x 122$^5/_{16}$ | 2340 | 25 | 30 | BAYCURB027B |
| 15 | WS*180EWR0A0000 | 575/3/60 | 10.6 | 177,000 | 54 x 85$^5/_{16}$ x 122$^5/_{16}$ | 2435 | 30 | 35 | BAYCURB027B |
| 20 | WS*240EWR0A0000 | 575/3/60 | 9.7 | 249,000 | 64$^1/_8$ x 85$^5/_{16}$ x 122$^5/_{16}$ | 2566 | 45 | 60 | BAYCURB027B |

| Tons | Supply Downflow W x L①② | Return Downflow W x L①② | Supply Horizontal H x W①② | Return Horizontal H x W①② | Curb Size H x W x L②③ | Roof Opening W x L①② |
|---|---|---|---|---|---|---|
| 20 | 28$^9/_{16}$ x 69$^1/_2$ | 22$^1/_4$ x 77 | 46$^7/_{16}$ x 26$^1/_2$ | 46$^7/_{16}$ x 27$^9/_{16}$ | 14$^1/_{16}$ x 81 x 117$^3/_{16}$ | 76$^1/_2$ x 81 |

**Table PH-18-B — Standard — ReliaTel™ Units (R-410A) — Multi-Speed Indoor Fan**

| Tons | Unit Model No. | Power Supply Volts/Phase/Hz | Performance EER (1Ø) | Cooling Capacity (Btuh) | Dimensions (in.) H x W x L | Shipping Weight (lbs.) | MCA⑤ | Max Fuse Size or④ Max Circuit Breaker | Downflow Roofcurb |
|---|---|---|---|---|---|---|---|---|---|
| 12½ | WS*150E3R0A1B8B | 208-230/3/60 | 10.6 | 148,000 | 54 x 85$^5/_{16}$ x 122$^5/_{16}$ | 2365 | 68 | 80 | BAYCURB027B |
| 15 | WS*180E3R0A1B8B | 208-230/3/60 | 10.6 | 177,000 | 54 x 85$^5/_{16}$ x 122$^5/_{16}$ | 2460 | 74 | 90 | BAYCURB027B |
| 20 | WS*240E3R0A1B8B | 208-230/3/60 | 9.7 | 249,000 | 64$^1/_8$ x 85$^5/_{16}$ x 122$^5/_{16}$ | 2591 | 116 | 150 | BAYCURB027B |
| 12½ | WS*150E4R0A1B8B | 460/3/60 | 10.6 | 148,000 | 54 x 85$^5/_{16}$ x 122$^5/_{16}$ | 2365 | 32 | 40 | BAYCURB027B |
| 15 | WS*180E4R0A1B8B | 460/3/60 | 10.6 | 177,000 | 54 x 85$^5/_{16}$ x 122$^5/_{16}$ | 2460 | 36 | 45 | BAYCURB027B |
| 20 | WS*240E4R0A1B8B | 460/3/60 | 9.7 | 249,000 | 64$^1/_8$ x 85$^5/_{16}$ x 122$^5/_{16}$ | 2591 | 53 | 60 | BAYCURB027B |
| 12½ | WS*150EWR0A1B8B | 575/3/60 | 10.6 | 148,000 | 54 x 85$^5/_{16}$ x 122$^5/_{16}$ | 2365 | 25 | 30 | BAYCURB027B |
| 15 | WS*180EWR0A1B8B | 575/3/60 | 10.6 | 177,000 | 54 x 85$^5/_{16}$ x 122$^5/_{16}$ | 2460 | 30 | 35 | BAYCURB027B |
| 20 | WS*240EWR0A1B8B | 575/3/60 | 9.7 | 249,000 | 64$^1/_8$ x 85$^5/_{16}$ x 122$^5/_{16}$ | 2591 | 45 | 60 | BAYCURB027B |

① Dimensions are in inches. See Outline Dimensions.
② Interior Dimension.
③ Measurement Includes Curb Flange.
④ HACR type circuit breaker per NEC.
⑤ Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
* Digit 3 - H = Horizontal or D = Downflow.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Packaged Heat Pump with ReliaTel™ Controls 12½-25 Tons (Model Digit Numbers)

| Digit | Description | Order Number |
|---|---|---|
| 1 | **Unit Type** | |
| | Packaged Cooling, Electric Heat | W |
| 2 | **Efficiency** | |
| | Standard Efficiency | S |
| 3 | **Airflow Configuration** | |
| | Downflow | D |
| | Horizontal | H |
| 4-6 | **Nominal Gross Cooling Capacity (MBh)** | |
| | 12½ Tons | 150 |
| | 15 Tons | 180 |
| | 17½ Tons | 210 |
| | 20 Tons | 240 |
| 7 | **Major Design Sequence** | |
| | R-410A Refrigerant | E |
| 8 | **Voltage Selection** | |
| | 208-230/60/3 | 3 |
| | 460/60/3 | 4 |
| | 575/60/3 | W |
| 9 | **Unit Controls** | |
| | ReliaTel™ | R |
| 10 | **Heating Capacity** | |
| | No Heat | 0 |
| | 18 kW Electric Heat | G |
| | 36 kW Electric Heat | N |
| | 54 kW Electric Heat | P |
| | 72 kW Electric Heat | R |
| 11 | **Minor Design Sequence** | |
| 12-13 | **Service Sequence** | |
| 14 | **Fresh Air Selection** | |
| | No Fresh Air | 0 |
| | Manual Damper | A |
| | Motorized Damper | B |
| | Econ Dry Bulb w/Barometric Relief | D |
| | Econ Reference Enthalpy w/Barometric Relief | F |
| | Econ Comparative Enthalpy w/Barometric Relief | H |
| 15 | **Supply Fan/Drive Type/Motor** | |
| | Standard Motor | 0 |
| | Oversized Motor | 1 |
| | High Efficiency Motor | 3 |
| | Single Zone Variable Air Volume Standard Motor | 6 |
| | Multi-Speed Standard Motor | 7 |
| | Single Zone Variable Air Volume Oversized Motor | 8 |
| | Multi-Speed Oversized Motor | 9 |
| | Single Zone Variable Air Volume Standard Motor w/Shaft Ground Ring | A |
| | Multi-Speed Standard Motor w/Shaft Ground Ring | B |
| | Single Zone Variable Air Volume Oversized Motor w/Shaft Ground Ring | C |
| | Multi-Speed Oversized Motor w/Shaft Ground Ring | D |
| 16 | **Hinged Service Access / Filters** | |
| | Standard Panels/Standard Filters | 0 |
| | Hinged Access/Standard Filters | A |
| | Standard Panels/2" MERV 8 Filters | B |
| | Hinged Access/2" MERV 8 Filters | C |
| | Standard Panels/MERV 13 Filters | D |
| | Hinged Access/MERV 13 Filters | E |
| 17 | **Condenser Coil Protection** | |
| | Standard Coil | 0 |
| | Standard Coil With Hail Guard | 1 |
| | Black Epoxy Pre-Coated Coil | 2 |
| | Black Epoxy Pre-Coated Coil with Hail Guard | 3 |
| 18 | **Through The Base Provisions** | |
| | No Through The Base Provisions | 0 |
| | Through The Base Electric | A |
| | Through The Base Access | D |

| Digit | Description | Order Number |
|---|---|---|
| 19 | **Disconnect Switch/Circuit Breaker** | |
| | No Disconnect/circuit break | 0 |
| | Unit Mounted Non-Fused Disconnect Switch | 1 |
| | Unit Mounted Circuit Breaker | 2 |
| 20 | **Convenience Outlet Option** | |
| | Without Convenience Outlet | 0 |
| | Unpowered Convenience Outlet | A |
| | Powered Convenience Outlet | B |
| 21 | **Communications Options** | |
| | Without Communications Options | 0 |
| | Building Automation Control Network Communications Interface | 6 |
| 22 | **Refrigeration System Option** | |
| | Standard refrigeration system | 0 |
| 23 | **Refrigeration Controls** | |
| | Without Refrigeration Controls | 0 |
| | Frostat | 1 |
| 24 | **Smoke Detector** | |
| | Without Smoke Detector | 0 |
| | Return Air Smoke Detector | A |
| | Supply Air Smoke Detector | B |
| | Return/Supply Air Smoke Detector | C |
| | Plenum Smoke Detector | D |
| 25 | **System Monitoring Controls** | |
| | No Monitoring Controls | 0 |
| | Clogged Filter Switch | 1 |
| | Fan Failure Switch | 2 |
| | Discharge Air Sensing | 3 |
| | Clogged Filter Switch and Fan Failure | 4 |
| | Clogged Filter Switch and Discharge Air Sensing | 5 |
| | Fan Failure Switch and Discharge Air Sensing | 6 |
| | Clogged Filter Switch, Fan Failure Switch and Discharge Air Sensing | 7 |
| | Condensate Drain Pan Overflow Switch | A |
| | Clogged Filter Switch and Condensate Drain Pan Overflow Switch | B |
| | Fan Failure Switch and Condensate Drain Pan Overflow Switch | C |
| | Discharge Air Sensing and Condensate Drain Pan Overflow Switch | D |
| | Clogged Filter Switch, Fan Failure Switch and Condensate Drain Pan Overflow Switch | E |
| | Clogged Filter Switch, Discharge Air Sensing Tube and Condensate Drain Pan Overflow Switch | F |
| | Fan Failure Switch, Discharge Air Sensing Tube and Condensate Drain Pan Overflow Switch | G |
| | Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing and Condensate Drain Pan Overflow Switch | H |
| 26 | **System Monitoring Controls** | |
| | No Monitoring Controls | 0 |
| | Demand Control Ventilation ($CO_2$)[①] | A |
| 27 | **Unit Hardware Enhancements** | |
| | No Enhancements | 0 |
| | Stainless Steel Drain Pan | 1 |

**Note:** *Most Factory Installed Options available for Downflow Air Discharge units only. Please verify with ordering system for availability.*

① Demand Control Ventilation Option includes wiring only. The C02 sensor is a field-installed only option.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Packaged Heat Pump with ReliaTel™ Controls 12½-20 Tons Zone Sensors

**Table PH-20-A — Zone Sensors**

| Model Number | Description | Used With |
|---|---|---|
| ASYSTAT107A | Single Setpoint Manual Changeover | WC*150-240 |
| ASYSTAT109A | Dual Setpoint Manual or Automatic Changeover | WC*150-240 |
| ASYSTAT111A | Remote Room Sensor | ASYSTAT777A |
| ASYSTAT777A | Programmable Night Setback | WC*150-240 |
| BAYMTPL110A | Retrofit Wall Cover Plate Kit 7.25" x 6.0" | ASYSTAT777A |

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.                    PH-20

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# American Standard
## HEATING & AIR CONDITIONING

# Packaged Heat Pump with ReliaTel™ Controls 12½-20 Tons Accessories

**Table PH-21-A — Field Installed Accessories — For complete list of of All Factory Installed Options refer to FIOPS section of this book.**

| Model Number | Description | Used With |
|---|---|---|
| BAYABRD002B⑥ | ReliaTel™ Options Module | All Voyager Heat Pumps |
| BAYBCIR001A | Bacnet™ Communication Interface | ReliaTel™ Controller (BCI-R) |
| BAYCO2K002B⑦ | $CO_2$ Sensor Wall Mounted | All Voyager Heat Pumps w/Economizers |
| BAYCO2K004B⑦ | $CO_2$ Sensor Duct Mounted | All Voyager Heat Pumps w/Economizers |
| BAYCURB027B③④ | Downflow Only Roof Curb | WSD150E-240E |
| BAYDFPS005A⑤⑥ | Clogged Filter Switch (MERV 7) | WS*150E-240E |
| BAYDFPS006A⑤⑥ | Fan Failure Switch | WS*150E-240E |
| BAYDFPS013A | Clogged Filter Switch (MERV 13) | WS*150E-240E |
| BAYDMPR029C | 0-25% Manual Outside Air Damper | All Packaged Rooftops 12½-20 Tons |
| BAYDMPR058A | 0-50% Motorized Outside Air Damper | WS*150E-240E |
| BAYECON090A⑥ | Downflow Economizer with Barometric Relief | WSD150E-240E |
| BAYECON092A | Horizontal Economizer | WSH150E-240E |
| BAYENTH007A | Reference Enthalpy Kit | All BAYECON089-92A |
| BAYENTH008A | Comparative Enthalpy Kit | All BAYECON089-92A |
| BAYFRST003A | High Temperature Stat | WS*150E-240E |
| BAYGARD045A⑥ | Tool-less Hail Guard | WS*150E, WS*180E |
| BAYGARD050A⑥ | Tool-less Hail Guard | WS*240E |
| BAYHSDR005B① | High Static Drive | WS*150E-240E |
| BAYHSMT055B | 5HP OVERSIZED MOTOR KIT (208-230/460) | WS*150E, WS*180E |
| BAYHSMT072A | 5HP OVERSIZED MOTOR KIT (575) | WS*150E, WS*180E |
| BAYHSMT100A | 7.5HP OVERSIZED MOTOR KIT (208-230) | WS*240E |
| BAYHSMT101A | 7.5HP OVERSIZED MOTOR KIT (460) | WS*240E |
| BAYHSMT102A | 7.5HP OVERSIZED MOTOR KIT (575) | WS*240E |
| BAYLOAM023A⑤⑥ | Evaporator Defrost Control (Frostat) | WS*150E, WS*180E |
| BAYLOAM031A | Evaporator Defrost Control | WS*240E |
| BAYLSDR004A | Low Static Drive | WS*240E |
| BAYLSDR011A | Low Static Drive | WS*150E, WS*180E |
| BAYPWRX029A | Power Exhaust for all Voyagers 12½-20 Ton 230V units | Downflow Only |
| BAYPWRX030A | Power Exhaust for all Voyagers 12½-20 Ton 460V units | Downflow Only |
| BAYPWRX031A | Power Exhaust for all Voyagers 12½-20 Ton 575V units | Downflow Only |
| BAYQACB044A | Adapter Curb | BAYCURB026A/B to BAYCURB027A/B |
| BAYSERV001A | Selective Resistance Service Tester | All Voyagers 12½-20 Tons |
| BAYSTAT023 | Remote Potentiometer | All BAYECON089-92A |
| BAYTUBE008A②⑤⑥ | Discharge Air Sensing Kit | All Voyagers 12½-20 Tons Downflow |
| BAYTUBE009A②⑤⑥ | Discharge Air Sensing Kit | All Voyagers 12½-20 Tons Horizontal |
| BAYVNOR002B⑤ | Ventilation Override Kit | WS*150-240E w/ReliaTel™ Options Module |

① High static drive and oversized motors are mutually exclusive, Do not Combine.
② Used for true discharge air sensing in both heating and cooling models.
③ Clarksville Manufacturing has a no-return policy for this roof curb.
④ For downflow use only. Can not be adapted for horizontal units.
⑤ BAYABRD002B is required when ordering field installed accessories BAYDFPS005A or 006A, BAYTUBE008A or 009A and BAYLOAM023A, BAYLOAM031A or BAYVNOR002B.
⑥ Field or factory installed option.
⑦ Field installed accessory. Requires an economizer.
  * Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

*American Standard®*
HEATING & AIR CONDITIONING

# Packaged Heat Pump with ReliaTel™ Controls 12½-20 Tons Heaters

**Table PH-22-A — Downflow Supplementary Heaters:**

| Model Number | Power Supply | kW Rating | BTUH | Nominal Stages | Used With |
|---|---|---|---|---|---|
| AYDHTRK318A | 208-230/3/60 | 13.5/18.0 | 46,100/61,400 | 1 | WSD150-180E |
| AYDHTRK336A | 208-230/3/60 | 27.0/36.0 | 92,200/122,900 | 2 | WSD150-180E |
| AYDHTRK354A | 208-230/3/60 | 40.5/54.0 | 138,200/184,300 | 2 | WSD150-180E |
| AYDHTRK418A | 460/3/60 | 18.0 | 61,400 | 1 | WSD150-180E |
| AYDHTRK436A | 460/3/60 | 36.0 | 122,900 | 2 | WSD150-180E |
| AYDHTRK454A | 460/3/60 | 54.0 | 184,300 | 2 | WSD150-180E |
| AYDHTRL336A | 208-230/3/60 | 27.0/36.0 | 92,200/122,900 | 2 | WSD240E |
| AYDHTRL354A | 208-230/3/60 | 40.5/54.0 | 138,200/184,300 | 2 | WSD240E |
| AYDHTRK372A | 208-230/3/60 | 54.0/72.0 | 184,300/245,700 | 2 | WSD240E |
| AYDHTRL436A | 460/3/60 | 36.0 | 122,900 | 2 | WSD240E |
| AYDHTRL454A | 460/3/60 | 54.0 | 184,300 | 2 | WSD240E |
| AYDHTRK472A | 460/3/60 | 72.0 | 245,700 | 2 | WSD240E |
| AYDHTRKW18A | 575/3/60 | 18.0 | 61,400 | 1 | WSD150-180E |
| AYDHTRKW36A | 575/3/60 | 36.0 | 122,900 | 2 | WSD150-180E |
| AYDHTRKW54A | 575/3/60 | 54.0 | 184,300 | 2 | WSD150-180E |
| AYDHTRLW36A | 575/3/60 | 36.0 | 122,900 | 2 | WSD240E |
| AYDHTRLW54A | 575/3/60 | 54.0 | 184,300 | 2 | WSD240E |
| AYDHTRKW72A | 575/3/60 | 72.0 | 245,700 | 2 | WSD240E |

**Table PH-22-B — Horizontal Supplementary Heaters:**

| Model Number | Power Supply | kW Rating | BTUH | Nominal Stages | Used With |
|---|---|---|---|---|---|
| AYHHTRM318A | 208-230/3/60 | 13.5/18.0 | 46,100/61,400 | 1 | WSH150-180E |
| AYHHTRM336A | 208-230/3/60 | 27.0/36.0 | 92,200/122,900 | 2 | WSH150-180E |
| AYHHTRM354A | 208-230/3/60 | 40.5/54.0 | 138,200/184,300 | 2 | WSH150-180E |
| AYHHTRM418A | 460/3/60 | 18.0 | 61,400 | 1 | WSH150-180E |
| AYHHTRP436A | 460/3/60 | 36.0 | 122,900 | 2 | WSH150-180E |
| AYHHTRM454A | 460/3/60 | 54.0 | 184,300 | 2 | WSH150-180E |
| AYHHTRN336A | 208-230/3/60 | 27.0/36.0 | 92,200/122,900 | 2 | WSH240E |
| AYHHTRN354A | 208-230/3/60 | 40.5/54.0 | 138,200/184,300 | 2 | WSH240E |
| AYHHTRN372A | 208-230/3/60 | 54.0/72.0 | 184,300/245,700 | 2 | WSH240E |
| AYHHTRN436A | 460/3/60 | 36.0 | 122,900 | 2 | WSH240E |
| AYHHTRN454A | 460/3/60 | 54.0 | 184,300 | 2 | WSH240E |
| AYHHTRN472A | 460/3/60 | 72.0 | 245,700 | 2 | WSH240E |
| AYHHTRMW18A | 575/3/60 | 18.0 | 61,400 | 1 | WSH150-180E |
| AYHHTRMW36A | 575/3/60 | 36.0 | 122,900 | 2 | WSH150-180E |
| AYHHTRMW54A | 575/3/60 | 54.0 | 184,300 | 2 | WSH150-180E |
| AYHHTRNW36A | 575/3/60 | 36.0 | 122,900 | 2 | WSH240E |
| AYHHTRNW54A | 575/3/60 | 54.0 | 184,300 | 2 | WSH240E |
| AYHHTRNW72A | 575/3/60 | 72.0 | 245,700 | 2 | WSH240E |

Note: Unit with heater is single circuit/single point.

**See ReliaTel™ and Micro Control features on PC-17 and PC-18.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

PH-22

Effective 1/1/13
14-1011-29

# American Standard
## HEATING & AIR CONDITIONING

# Packaged Gas/Electric
# Convertible 2-5 Tons
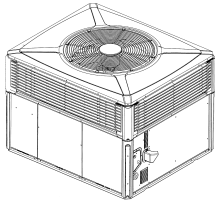
**4YCZ6
Platinum ZM**

**Table PG-1-A — 4YCZ6 - Platinum ZM (Previously Triumph® 16)**
**Convertible Packaged Gas/Electric - R-410A**

| Model Number | Cooling Capacity (BTUH) | Heating Capacity Output (1 Stg./2 Stg.) | SEER | EER High/Low | AFUE(%) | Shipping Weight | MCA | Max Fuse | Sound Rating | Cabinet Dim. (in.) H x D x W |
|---|---|---|---|---|---|---|---|---|---|---|
| **4YCZ6 – 208-230/1/60** | | | | | | | | | | |
| 4YCZ6036A1075B | 35,600 | 45,000/60,000 | 16.60 | 12.00/13.60 | 79.5 | 488 | 26.0 | 40 | 70 | 38 x 43 x 51 |
| 4YCZ6036A1096B | 35,600 | 57,600/77,000 | 16.60 | 12.00/13.60 | 80.0 | 488 | 26.0 | 40 | 70 | 38 x 43 x 51 |
| 4YCZ6048A1096B | 48,000 | 57,600/77,000 | 16.00 | 12.00/13.48 | 80.0 | 659 | 34.1 | 50 | 71 | 42 x 46 x 61 |
| 4YCZ6048A1120B | 48,000 | 72,000/96,000 | 16.00 | 12.00/13.48 | 80.0 | 665 | 34.1 | 50 | 71 | 42 x 46 x 61 |
| 4YCZ6060A1120B | 57,500 | 72,000/96,000 | 15.10 | 11.40/12.64 | 80.0 | 676 | 44.4 | 60 | 73 | 42 x 46 x 61 |
| **4YCZ6 – 208-230/3/60** | | | | | | | | | | |
| 4YCZ6036A3075B | 35,600 | 45,000/60,000 | 16.60 | 12.00/13.60 | 80.0 | 488 | 19.1 | 30 | 70 | 36 x 43 x 51 |
| 4YCZ6036A3096B | 35,600 | 57,600/77,000 | 16.60 | 12.00/13.60 | 80.0 | 493 | 19.1 | 30 | 70 | 36 x 43 x 51 |
| 4YCZ6048A3096B | 48,000 | 57,600/77,000 | 16.00 | 12.00/13.48 | 80.0 | 659 | 25.2 | 35 | 71 | 42 x 46 x 61 |
| 4YCZ6048A3120B | 48,000 | 72,000/96,000 | 16.00 | 12.00/13.48 | 80.0 | 665 | 25.2 | 35 | 71 | 42 x 46 x 61 |
| 4YCZ6060A3120B | 57,500 | 72,000/96,000 | 15.10 | 11.40/12.65 | 80.0 | 676 | 28.6 | 40 | 73 | 42 x 46 x 61 |
| **4YCZ6 – 460/3/60** | | | | | | | | | | |
| 4YCZ6036A4075C | 35,600 | 45,000/60,000 | 16.60 | 12.00/13.60 | 79.0 | 488 | 10.4 | 15 | 70 | 36 x 43 x 51 |
| 4YCZ6036A4096C | 35,600 | 57,600/77,000 | 16.60 | 12.00/13.60 | 80.0 | 493 | 10.4 | 15 | 70 | 36 x 43 x 51 |
| 4YCZ6048A4096C | 48,000 | 57,600/77,000 | 16.00 | 12.00/13.48 | 80.0 | 659 | 15.3 | 20 | 71 | 42 x 46 x 61 |
| 4YCZ6048A4120C | 48,000 | 72,000/96,000 | 16.00 | 12.00/13.48 | 80.0 | 665 | 15.3 | 20 | 71 | 42 x 46 x 61 |
| 4YCZ6060A4120C | 57,500 | 72,000/96,000 | 15.10 | 11.40/12.65 | 80.0 | 676 | 17.2 | 20 | 73 | 42 x 46 x 61 |
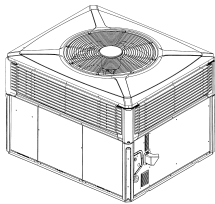
**4YCY4
Gold XM**

**Table PG-1-B — 4YCY4 - Gold XM (Previously Triumph® 14) Convertible Packaged Gas/Electric - R-410A**

| Model Number | Cooling Capacity (BTUH) | Heating Capacity Output (1 Stg./2 Stg.) | SEER/EER | AFUE(%) | Shipping Weight | MCA | Max Fuse | Sound Rating | Cabinet Dimensions (in.) H x D x W |
|---|---|---|---|---|---|---|---|---|---|
| **4YCY4 – 208-230/1/60** | | | | | | | | | |
| 4YCY4024A1064A | 23,400 | 38,400/51,000 | 14.00/12.00 | 79.0 | 481 | 16.5 | 25 | 68 | 36 x 43 x 51 |
| 4YCY4030A1075A | 30,000 | 45,000/60,000 | 14.00/12.00 | 79.5 | 481 | 19.2 | 30 | 71 | 36 x 43 x 51 |
| 4YCY4036B1075A | 38,000 | 45,000/60,000 | 14.20/12.00 | 79.5 | 488 | 24.6 | 40 | 69 | 36 x 43 x 51 |
| 4YCY4036B1096A | 38,000 | 57,600/77,000 | 14.20/12.00 | 80.0 | 488 | 24.6 | 40 | 69 | 36 x 43 x 51 |
| 4YCY4042B1096B | 42,000 | 57,600/77,000 | 14.25/12.00 | 80.0 | 653 | 31.5 | 50 | 74 | 38 x 46 x 61 |
| 4YCY4048B1096A | 48,500 | 57,600/77,000 | 14.20/12.00 | 80.0 | 669 | 35.4 | 50 | 73 | 38 x 46 x 61 |
| 4YCY4048B1120A | 48,500 | 72,000/96,000 | 14.20/12.00 | 80.0 | 675 | 35.4 | 50 | 73 | 38 x 46 x 61 |
| 4YCY4060A1120A | 58,500 | 72,000/96,000 | 14.00/12.00 | 80.0 | 676 | 43.3 | 60 | 76 | 42 x 46 x 61 |
| **4YCY4 – 208-230/3/60** | | | | | | | | | |
| 4YCY4036A3075A | 36,000 | 45,000/60,000 | 14.20/11.60 | 80.0 | 488 | 19.8 | 30 | 69 | 36 x 43 x 51 |
| 4YCY4036A3096A | 36,000 | 57,600/77,000 | 14.20/11.60 | 80.0 | 493 | 19.8 | 30 | 69 | 36 x 43 x 51 |
| 4YCY4048A3096A | 48,000 | 57,600/77,000 | 14.20/11.90 | 80.0 | 653 | 26.4 | 40 | 73 | 38 x 46 x 61 |
| 4YCY4048A3120A | 48,000 | 72,000/96,000 | 14.20/11.90 | 80.0 | 659 | 26.4 | 40 | 73 | 38 x 46 x 61 |
| 4YCY4060A3120A | 58,500 | 72,000/96,000 | 14.00/12.00 | 80.0 | 676 | 30.6 | 45 | 76 | 42 x 46 x 61 |

**Packaged Gas/Electric**

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

PG-1

Effective 1/1/13
14-1011-29

# Packaged Gas/Electric
# Convertible 2-5 Tons

**Packaged Gas/Electric**

| Table PG-2-A — Features | 4YCZ6 3-5 | 4YCY4 2-5 |
|---|---|---|
| • SEER up to ........................................................................................................................................... | 16.60 | 14.25 |
| • Exclusive **Duration™** high efficiency compressor with internal overload protection............................................. | ✔ | ✔ |
| • Factory supplied charge.......................................................................................................................... | R-410A | R-410A |
| • Composite **Vortica®** indoor blower............................................................................................................ | ✔ | ✔ |
| • High efficiency ECM indoor blower motor with **Comfort-R™** airflow system......................................................... | ✔ | ✔ |
| • All aluminum **Spine Fin™** outdoor coil...................................................................................................... | ✔ | ✔ |
| • Swept-blade outdoor fan for quiet operation ............................................................................................ | ✔ | ✔ |
| • Architecturally integrated louvers and corner guards.................................................................................. | ✔ | ✔ |
| • Cabinet constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint.................................................................................................................... | ✔ | ✔ |
| • Stainless steel heat exchanger and burners................................................................................................ | ✔ | ✔ |
| • Single stage cool.................................................................................................................................... | — | ✔ |
| • 2-stage cooling....................................................................................................................................... | ✔ | — |
| • 2-stage gas............................................................................................................................................ | ✔ | ✔ |
| • Start kit - factory installed (single phase only) ........................................................................................... | — | 2 & 2½ |
| • High pressure cutout................................................................................................................................ | ✔ | ✔ |
| • Low pressure cutout................................................................................................................................ | 3-Phase Only | 3-Phase Only |
| • Liquid line drier - factory installed ........................................................................................................... | ✔ | ✔ |
| • Non-bleed expansion valves on indoor coil................................................................................................ | ✔ | ✔ |
| • Pressure taps, including liquid line taps, easily accessed and protected inside compressor compartment ........... | ✔ | ✔ |
| • Right side electrical service access for high and low voltage connections.................................................... | ✔ | ✔ |
| • Rugged steel basepan features deep drawn duct connections ...................................................................... | ✔ | ✔ |
| • Steeply sloped composite drainpan.......................................................................................................... | ✔ | ✔ |
| • Ships in horizontal configuration and converts quickly for downflow ............................................................ | ✔ | ✔ |
| • Copper tube, aluminum fin indoor coil ...................................................................................................... | ✔ | ✔ |
| • All models are certified to ANSI 221.47/CSA 2.3 ....................................................................................... | ✔ | ✔ |
| • **20-year heat exchanger, 12-year compressor, 10-year outdoor coil, and 10-year all other functional parts registered limited warranty (Residential Use)**[1] ..................................... | ✔ | — |
| • **20-year heat exchanger, 10-year compressor, 10-year outdoor coil, and 10-year all other functional parts registered limited warranty (Residential Use)**[1] ..................................... | — | ✔ |
| • **Extended warranties available** ................................................................................................................ | ✔ | ✔ |

[1] Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.          PG-2

Effective 1/1/13
14-1011-29

**Table PG-3-A — Accessories**

Packaged Gas/Electric

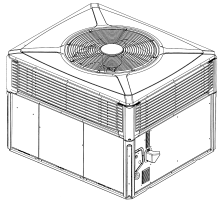| Model Number | Description | Shipping Weight | 4YCZ6 3-5 | 4YCY4 2-5 |
|---|---|---|---|---|
| BAYACCDOR1A | Hinged Filter Access Door[12] | | 3 | 2-3 |
| BAYACCDOR2A | Hinged Filter Access Door[12] | | 3½-5 | 3½-5 |
| BAYADAP050A | Adapter Curb (Cabinet A/B) | | 3 | 2-3 |
| BAYADAP051A | Adapter Curb (Cabinet C) | | 3 | 2-3 |
| BAYADAP052A | Adapter Curb (Cabinet A/B) | | 4-5 | 3½-5 |
| BAYADAP053A | Adapter Curb (Cabinet C) | | 4-5 | 3½-5 |
| BAYADAP054A | Adapter Curb (Cabinet D) | | 4-5 | 3½-55 |
| BAYASCT001 | Anti-Short Cycle Timer[4] | | ✔ | ✔ |
| BAYCCHT101A | Crankcase Heater (230v) (Reciprocation) | | — | 2 |
| BAYCCHT102A | Crankcase Heater (230v) (Scroll) | | 3,4,5 | 3,4,5 |
| BAYCCHT404B | Crankcase Heater (460v) (Scroll) | | 3,4,5 | 3,4,5 |
| BAYCOVR112A | 12" Duct Shroud (Covers Horizontal Ducts)[6] | | 3-5 | 2-5 |
| BAYCOVR118A | 18" Duct Shroud (Covers Horizontal Ducts)[6] | | 3-5 | 2-5 |
| BAYCURB050A | Flat Roof Full Perimeter Curb (Insulated) | 74 | 3 | 2-3 |
| BAYCURB051A | Flat Roof Full Perimeter Curb (Insulated) | 74 | 4-5 | 3½-5 |
| BAYDMPR101A | Motorized Fresh Air Damper[1][7][8][9][10] | | 3 | 2-3 |
| BAYDMPR102A | Motorized Fresh Air Damper[1][7][8][9][10] | | 4-5 | 3½-5 |
| BAYECON101A | Economizer with Barometric Relief (Downflow)[1][2][3][10][11] | 50 | — | 2-3 |
| BAYECON102A | Economizer with Barometric Relief (Downflow)[1][2][3][10][11] | 65 | — | 3½-5 |
| BAYECON103A | Economizer with Barometric Relief (Downflow)[1][2][3][10][11] | | 3 | — |
| BAYECON104A | Economizer with Barometric Relief (Downflow)[1][2][3][10][11] | | 4-5 | — |
| BAYECON200A | Economizer (Horizontal)[1][2][3][7] | 85 | — | 2-3 |
| BAYECON201A | Economizer (Horizontal)[1][2][3][7] | 85 | — | 3½-5 |
| BAYECON203A | Economizer (Horizontal)[1][2][3][7] | | 3 | — |
| BAYECON204A | Economizer (Horizontal)[1][2][3][7] | | 4-5 | — |
| BAYECONCOMB101B | BAYECON101A, door, and filter kit | | — | 2-3 |
| BAYECONCOMB102B | BAYECON102A, door, and filter kit | | — | 3½-5 |
| BAYECONCOMB103B | BAYECON103A, door, and filter kit | | 3 | — |
| BAYECONCOMB104B | BAYECON104A, door, and filter kit | | 4-5 | — |
| BAYENTH001A | Enthalpy Control Kit[2] | 2 | ✔ | ✔ |
| BAYEXMK001A | Extreme Conditions Mounting Kit (Used on BAYCURB & BAYADAP) | | ✔ | ✔ |
| BAYEXMK002B | Extreme Conditions Mounting Kit (Used on BAYUTIL) | | ✔ | ✔ |
| BAYEXMK003A | Extreme Conditions Mounting Kit (Used on Slab Mounts) | | ✔ | ✔ |
| BAYFLTR101C | 1-2" Filter Frame[1]-Requires one 20x25 filter (not included) | 6 | 3 | 2-3 |
| BAYFLTR201C | 1-2" Filter Frame[1]-Requires one 20x20, and one 20x18 filters (not included) | 6 | 4-5 | 3½-5 |
| BAYLIFT002B | Lifting Lug Kit | 5 | ✔ | ✔ |
| BAYLOAM105A | Low Ambient Control Kit | 5 | ✔ | ✔ |
| BAYLPKT100A | LP Conversion Kit | | 40K,120K | 40K,120K |
| BAYLPKT101A | LP Conversion Kit | | 64K,96K | 64K, 96K |
| BAYLPKT102A | LP Conversion Kit | | 75K | 75K |
| BAYOSAC001B | Outside Air Control for V.S. Economizer[13] | | 3,4,5 | — |
| BAYOSAH001A | Manual Fresh Air Damper[1] | 6 | 3 | 2-3 |
| BAYOSAH002A | Manual Fresh Air Damper[1] | 8 | 4-5 | 3½-5 |
| BAYQSTK301A | Start Kit | | — | ✔ |
| BAYSQRD001A | 16" Round Duct Adapter[5] | 5 | 3 | 2-3 |
| BAYSQRD002A | 18" Round Duct Adapter[5] | 3 | 4-5 | 2-5 |
| BAYUTIL101B | Roof Curb Utility Extension Kit | | 3 | 2-3 |
| BAYUTIL102B | Roof Curb Utility Extension Kit | | 4-5 | 3½-5 |
| BAYUV101A | 21" Retrofit UVC Lamp Kit | 5 | 1½-3 | 1½-3 |
| BAYUV102A | 33" Retrofit UVC Lamp Kit | 5 | 3½-5 | 3½-5 |

[1] Must use filter frame when economizer/fresh air kit is used.
[2] Dry bulb control standard with economizer.
[3] 2-Stage cooling control required when using economizer.
[4] Do not use with electronic thermostats.
[5] It is the responsibility of the installing dealer to properly size the ductwork for each specific application.
[6] BAYCOVR112,118A will not cover BAYSQRD002A applications.
[7] Does not contain barometric relief.
[8] Max fresh air - 25%.
[9] For non-continuous fan gas-heating applications, the damper opens only when the OD ambient is above 50° F.
[10] It is the designer/engineer's responsibility to review product specifications prior to equipment selection to insure optimal performance and compliance to codes.
[11] Temperature of mixed air entering the heat exchanger is monitored and fresh air intake may be reduced under certain conditions.
[12] BAYACCDOR1A requires BAYFLTR101B & BAYACCDOR2A requires BAYFLTR201B. They are not backward compatible to BAYFLTR101/201A.
[13] BAYOSAC001B is not compatible with BAYACCDOR1A or BAYACCDOR2A

| EXISTING CURB | NEW UNIT 2/4TC/WC/YC****A | USE BAYADAP0**A |
|---|---|---|
| BAYCURB030,38A | 018-036 | 50 |
| BAYCURB030,38A | 042-060 | 52 |
| BAYCURB033A | 018-036 | 51 |
| BAYCURB033A | 042-060 | 53 |
| BAYCURB034A | 042-060 | 54 |

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

**4YCX3
Silver SI+**

**Table PG-4-A — 4YCX3 - Silver SI+ (Previously Triumph® 13) Convertible Packaged Gas/Electric - R-410A**

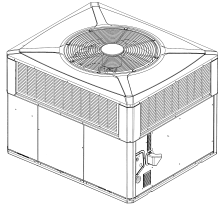| Model Number | Cooling Capacity (BTUH) | Heating Capacity Input/Output | SEER/EER | AFUE(%) | Shipping Weight | MCA | Max Fuse | Sound Rating | Cabinet Dimensions (in.) H x D x W |
|---|---|---|---|---|---|---|---|---|---|
| **4YCX3 – 208-230/1/60** | | | | | | | | | |
| 4YCX3018A1040A | 18,000 | 40,000/31,000 | 13.00/11.00 | 79.8 | 471 | 10.1 | 15 | 69 | 36 x 43 x 51 |
| 4YCX3024B1064A | 24,000 | 64,000/51,000 | 13.00/11.00 | 79.0 | 499 | 13.6 | 20 | 70 | 36 x 43 x 51 |
| 4YCX3030B1075A | 28,600 | 75,000/60,000 | 13.00/11.00 | 79.5 | 481 | 17.1 | 25 | 74 | 36 x 43 x 51 |
| 4YCX3036A1064B | 36,000 | 64,000/51,000 | 13.00/11.00 | 80.0 | 488 | 25.2 | 40 | 71 | 36 x 43 x 51 |
| 4YCX3036A1075B | 36,000 | 75,000/60,000 | 13.00/11.00 | 80.0 | 488 | 25.2 | 40 | 71 | 36 x 43 x 51 |
| 4YCX3036A1096B | 36,000 | 96,000/76,000 | 13.00/11.00 | 80.0 | 493 | 25.2 | 40 | 71 | 36 x 43 x 51 |
| 4YCX3042B1096A | 41,500 | 96,000/77,000 | 13.00/11.00 | 80.0 | 653 | 26.3 | 40 | 74 | 38 x 46 x 61 |
| 4YCX3048A1075B | 46,500 | 75,000/61,000 | 13.00/11.00 | 80.0 | 645 | 31.5 | 50 | 73 | 38 x 46 x 61 |
| 4YCX3048A1096B | 46,500 | 96,000/77,000 | 13.00/11.00 | 80.0 | 653 | 31.5 | 50 | 73 | 38 x 46 x 61 |
| 4YCX3048A1120B | 46,500 | 120,000/95,000 | 13.00/11.00 | 80.0 | 659 | 31.5 | 50 | 73 | 38 x 46 x 61 |
| 4YCX3060A1096B | 60,000 | 96,000/77,000 | 13.00/10.95 | 80.0 | 678 | 43.3 | 60 | 75 | 40 x 46 x 61 |
| 4YCX3060A1120B | 60,000 | 120,000/95,000 | 13.00/10.95 | 80.0 | 684 | 41.9 | 60 | 75 | 40 x 46 x 61 |
| **4YCX3 – 208-230/3/60** | | | | | | | | | |
| 4YCX3036A3064B | 36,000 | 64,000/51,000 | 13.00/11.00 | 80.0 | 493 | 17.2 | 25 | 71 | 36 x 43 x 51 |
| 4YCX3036A3075B | 36,000 | 75,000/60,000 | 13.00/11.00 | 80.0 | 488 | 17.2 | 25 | 71 | 36 x 43 x 51 |
| 4YCX3036A3096B | 36,000 | 96,000/76,000 | 13.00/11.00 | 80.0 | 493 | 17.2 | 25 | 71 | 36 x 43 x 51 |
| 4YCX3048A3075B | 46,500 | 75,000/61,000 | 13.00/11.00 | 80.0 | 645 | 24.0 | 35 | 73 | 38 x 46 x 61 |
| 4YCX3048A3096B | 46,500 | 96,000/77,000 | 13.00/11.00 | 80.0 | 653 | 24.0 | 35 | 73 | 38 x 46 x 61 |
| 4YCX3048A3120B | 46,500 | 120,000/95,000 | 13.00/11.00 | 80.0 | 659 | 24.0 | 35 | 73 | 38 x 46 x 61 |
| 4YCX3060A3096B | 60,000 | 96,000/77,000 | 13.00/10.95 | 80.0 | 678 | 31.7 | 50 | 75 | 40 x 46 x 61 |
| 4YCX3060A3120B | 60,000 | 120,000/95,000 | 13.00/10.95 | 80.0 | 684 | 28.6 | 40 | 75 | 40 x 46 x 61 |
| **4YCX3 – 460/3/60** | | | | | | | | | |
| 4YCX3036A4064B | 36,000 | 64,000/51,000 | 13.00/11.00 | 80.0 | 448 | 9.5 | 15 | 71 | 36 x 43 x 51 |
| 4YCX3036A4075B | 36,000 | 75,000/60,000 | 13.00/11.00 | 80.0 | 448 | 9.5 | 15 | 71 | 36 x 43 x 51 |
| 4YCX3036A4096B | 36,000 | 96,000/76,000 | 13.00/11.00 | 80.0 | 493 | 9.5 | 15 | 71 | 36 x 43 x 51 |
| 4YCX3048A4075B | 46,500 | 75,000/61,000 | 13.00/11.00 | 80.0 | 645 | 11.7 | 15 | 73 | 38 x 46 x 61 |
| 4YCX3048A4096B | 46,500 | 96,000/77,000 | 13.00/11.00 | 80.0 | 653 | 11.7 | 15 | 73 | 38 x 46 x 61 |
| 4YCX3048A4120B | 46,500 | 120,000/95,000 | 13.00/11.00 | 80.0 | 659 | 11.7 | 15 | 73 | 38 x 46 x 61 |
| 4YCX3060A4096A | 60,000 | 96,000/77,000 | 13.00/10.95 | 80.0 | 678 | 19.5 | 25 | 75 | 40 x 46 x 61 |
| 4YCX3060A4120B | 60,000 | 120,000/95,000 | 13.00/10.95 | 80.0 | 684 | 19.5 | 25 | 75 | 40 x 46 x 61 |

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

PG-4

Effective 1/1/13
14-1011-29

**4YCC3**
**Silver SI**

**Table PG-5-A — 4YCC3 Silver SI (Previously American Standard 13)**
**Convertible Packaged Gas/Electric - R-410A**

| Model Number | Cooling Capacity (BTUH) | Heating Capacity Input/Output | SEER/EER | AFUE(%) | Shipping Weight | MCA | Max Fuse | Sound Rating | Cabinet Dimensions (in.) H x D x W |
|---|---|---|---|---|---|---|---|---|---|
| **4YCC3 – 208-230/1/60** | | | | | | | | | |
| 4YCC3018A1040A | 18,000 | 40,000/31,000 | 13.00/11.00 | 79.8 | 471 | 10.1 | 15 | 74 | 36 x 43 x 51 |
| 4YCC3024B1064A | 23,000 | 64,000/51,000 | 13.00/11.00 | 79.0 | 385 | 13.6 | 20 | 76 | 36 x 43 x 51 |
| 4YCC3030B1075A | 28,000 | 75,000/60,000 | 13.00/11.00 | 79.5 | 481 | 17.1 | 25 | 74 | 36 x 43 x 51 |
| 4YCC3036A1064B | 35,000 | 64,000/51,000 | 13.00/11.00 | 80.0 | 488 | 25.2 | 40 | 75 | 36 x 43 x 51 |
| 4YCC3036A1075B | 35,000 | 75,000/60,000 | 13.00/11.00 | 80.0 | 488 | 25.2 | 40 | 75 | 36 x 43 x 51 |
| 4YCC3036A1096B | 35,000 | 96,000/76,000 | 13.00/11.00 | 80.0 | 493 | 25.2 | 40 | 75 | 36 x 43 x 51 |
| 4YCC3042B1096A | 40,000 | 96,000/77,000 | 13.00/11.00 | 80.0 | 653 | 26.3 | 40 | 74 | 38 x 46 x 61 |
| 4YCC3048A1075B | 46,500 | 75,000/61,000 | 13.00/11.00 | 80.0 | 645 | 31.5 | 50 | 80 | 38 x 46 x 61 |
| 4YCC3048A1096B | 46,500 | 96,000/77,000 | 13.00/11.00 | 80.0 | 653 | 31.5 | 50 | 80 | 38 x 46 x 61 |
| 4YCC3048A1120B | 46,500 | 120,000/95,000 | 13.00/11.00 | 80.0 | 659 | 31.5 | 50 | 80 | 38 x 46 x 61 |
| 4YCC3060A1096B | 58,000 | 96,000/77,000 | 13.00/10.95 | 80.0 | 678 | 43.5 | 60 | 79 | 40 x 46 x 61 |
| 4YCC3060A1120B | 58,000 | 120,000/95,000 | 13.00/10.95 | 80.0 | 684 | 41.9 | 60 | 79 | 40 x 46 x 61 |
| **4YCC3 – 208-230/3/60** | | | | | | | | | |
| 4YCC3036A3064B | 35,000 | 64,000/51,000 | 13.00/11.00 | 80.0 | 488 | 17.2 | 25 | 75 | 36 x 43 x 51 |
| 4YCC3036A3075B | 35,000 | 75,000/60,000 | 13.00/11.00 | 80.0 | 488 | 17.2 | 25 | 75 | 36 x 43 x 51 |
| 4YCC3036A3096B | 35,000 | 96,000/76,000 | 13.00/11.00 | 80.0 | 493 | 17.2 | 25 | 75 | 36 x 43 x 51 |
| 4YCC3048A3075B | 46,500 | 75,000/61,000 | 13.00/11.00 | 80.0 | 645 | 24.0 | 35 | 80 | 38 x 46 x 61 |
| 4YCC3048A3096B | 46,500 | 96,000/77,000 | 13.00/11.00 | 80.0 | 653 | 24.0 | 35 | 80 | 38 x 46 x 61 |
| 4YCC3048A3120B | 46,500 | 120,000/95,000 | 13.00/11.00 | 80.0 | 659 | 24.0 | 35 | 80 | 38 x 46 x 61 |
| 4YCC3060A3096B | 58,000 | 96,000/77,000 | 13.00/10.95 | 80.0 | 678 | 31.5 | 50 | 79 | 40 x 46 x 61 |
| 4YCC3060A3120B | 58,000 | 120,000/95,000 | 13.00/10.95 | 80.0 | 684 | 28.6 | 40 | 79 | 40 x 46 x 61 |
| **4YCC3 – 460/3/60** | | | | | | | | | |
| 4YCC3036A4064B | 35,000 | 64,000/51,000 | 13.00/11.00 | 80.0 | 488 | 9.5 | 15 | 75 | 36 x 43 x 51 |
| 4YCC3036A4075B | 35,000 | 75,000/60,000 | 13.00/11.00 | 80.0 | 488 | 9.5 | 15 | 75 | 36 x 43 x 51 |
| 4YCC3036A4096B | 35,000 | 96,000/76,000 | 13.00/11.00 | 80.0 | 493 | 9.5 | 15 | 75 | 36 x 43 x 51 |
| 4YCC3048A4075B | 46,500 | 75,000/61,000 | 13.00/11.00 | 80.0 | 645 | 11.7 | 15 | 80 | 38 x 46 x 61 |
| 4YCC3048A4096B | 46,500 | 96,000/77,000 | 13.00/11.00 | 80.0 | 653 | 11.7 | 15 | 80 | 38 x 46 x 61 |
| 4YCC3048A4120B | 46,500 | 120,000/95,000 | 13.00/11.00 | 80.0 | 659 | 11.7 | 15 | 80 | 38 x 46 x 61 |
| 4YCC3060A4096B | 58,000 | 96,000/77,000 | 13.00/10.95 | 80.0 | 678 | 19.3 | 25 | 79 | 40 x 46 x 61 |
| 4YCC3060A4120B | 58,000 | 120,000/95,000 | 13.00/10.95 | 80.0 | 684 | 19.3 | 25 | 79 | 40 x 46 x 61 |

**Packaged Gas/Electric**

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

PG-5

Effective 1/1/13
14-1011-29

# Packaged Gas/Electric Convertible 1½-5 Tons

**Packaged Gas/Electric**

| Table PG-6-A — Features | 4YCX3 1½-5 | 4YCC3 1½-5 |
|---|---|---|
| • SEER up to ......................................................................................................... | 13.00 | 13.00 |
| • Exclusive **Duration™** high efficiency compressor with internal overload protection........................................ | ✔ | — |
| • Factory supplied charge.................................................................................................................................. | R-410A | R-410A |
| • Composite **Vortica®** indoor blower............................................................................................................... | ✔ | ✔ |
| • Direct drive multi-speed indoor blower motors................................................................................................ | ✔ | ✔ |
| • All aluminum **Spine Fin™** outdoor coil........................................................................................................ | ✔ | ✔ |
| • Swept-blade outdoor fan for quiet operation .................................................................................................. | ✔ | — |
| • Architecturally integrated louvers and corner guards...................................................................................... | ✔ | — |
| • All steel louvers ............................................................................................................................................. | — | ✔ |
| • Cabinet constructed of heavy gauge, galvanized steel and painted with a weather-resistant powder paint.................................................................................................................. | ✔ | ✔ |
| • Stainless steel heat exchanger and burners.................................................................................................... | ✔ | ✔ |
| • Single stage cool............................................................................................................................................. | ✔ | ✔ |
| • Single stage gas.............................................................................................................................................. | ✔ | ✔ |
| • Start kit - factory installed (single phase only) ............................................................................................... | 1½ - 2½ | 1½ - 2½ |
| • High pressure cutout....................................................................................................................................... | ✔ | ✔ |
| • Low pressure cutout........................................................................................................................................ | 3 Phase Only | 3 Phase Only |
| • Liquid line drier - factory installed ................................................................................................................. | ✔ | ✔ |
| • Non-bleed expansion valves on indoor coil..................................................................................................... | ✔ | ✔ |
| • Pressure taps, including liquid line taps, easily accessed and protected inside compressor compartment................................................................................................................. | ✔ | ✔ |
| • Right side electrical service access for high and low voltage connections....................................................... | ✔ | ✔ |
| • Rugged steel basepan features deep drawn duct connections ........................................................................ | ✔ | ✔ |
| • Steeply sloped composite drainpan ................................................................................................................ | ✔ | ✔ |
| • Ships in horizontal configuration and converts quickly for downflow ............................................................... | ✔ | ✔ |
| • Copper tube, aluminum fin indoor coil ............................................................................................................ | ✔ | ✔ |
| • All models are certified to ANSI 221.47/CSA 2.3 ........................................................................................... | ✔ | ✔ |
| • **20-year heat exchanger, 10-year compressor, 10-year outdoor coil, and 10-year all other functional parts registered limited warranty (Residential Use)**[1].......................................... | ✔ | — |
| • **10-year heat exchanger, 10-year compressor, 10-year outdoor coil, and 10-year all other functional parts registered limited warranty (Residential Use)**[1]......................................... | — | ✔ |
| • **Extended warranties available** ................................................................................................................... | ✔ | ✔ |

[1] Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curbs, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

PG-6

Effective 1/1/13
14-1011-29

# Packaged Gas/Electric
# Convertible 1½-5 Tons

**Table PG-7-A — Accessories**

| Model Number | Description | Shipping Weight | 4YCX3 1½-5 | 4YCC3 1½-5 |
|---|---|---|---|---|
| BAYACCDOR1A | Hinged Filter Access Door[12] | | 1½-3 | 1½-3 |
| BAYACCDOR2A | Hinged Filter Access Door[12] | | 3½-5 | 3½-5 |
| BAYADAP050A | Adapter Curb (Cabinet A/B) | | 1½-3 | 1½-3 |
| BAYADAP051A | Adapter Curb (Cabinet C) | | 1½-3 | 1½-3 |
| BAYADAP052A | Adapter Curb (Cabinet A/B) | | 3½-5 | 3½-5 |
| BAYADAP053A | Adapter Curb (Cabinet C) | | 3½-5 | 3½-5 |
| BAYADAP054A | Adapter Curb (Cabinet D) | | 3½-5 | 3½-5 |
| BAYASCT001 | Anti-Short Cycle Timer[4] | | ✔ | ✔ |
| BAYCCHT101A | Crankcase Heater (230v) (Reciprocation) | | 1½-2 | 1½-2 |
| BAYCCHT102A | Crankcase Heater (230v) (Scroll) | | 3,4,5 | 3,4,5 |
| BAYCCHT404B | Crankcase Heater (460v) (Scroll) | | 3,4,5 | 3,4,5 |
| BAYCOVR112A | 12" Duct Shroud (Covers Horizontal Ducts)[6] | | 1½-5 | 1½-5 |
| BAYCOVR118A | 18" Duct Shroud (Covers Horizontal Ducts)[6] | | 1½-5 | 1½-5 |
| BAYCURB050A | Flat Roof Full Perimeter Curb (Insulated) | 74 | 1½-3 | 1½-3 |
| BAYCURB051A | Flat Roof Full Perimeter Curb (Insulated) | 74 | 3½-5 | 3½-5 |
| BAYDMPR101A | Motorized Fresh Air Damper[1][7][8][9][10] | | 1½-3 | 1½-3 |
| BAYDMPR102A | Motorized Fresh Air Damper[1][7][8][9][10] | | 3½-5 | 3½-5 |
| BAYECON101A | Economizer with Barometric Relief (Downflow)[1][2][3][10][11] | 50 | 1½-3 | 1½-3 |
| BAYECON102A | Economizer with Barometric Relief (Downflow)[1][2][3][10][11] | 65 | 3½-5 | 3½-5 |
| BAYECON200A | Economizer (Horizontal)[1][2][3][7] | 85 | 1½-3 | 1½-3 |
| BAYECON201A | Economizer (Horizontal)[1][2][3][7] | 85 | 3½-5 | 3½-5 |
| BAYECONCOMB101A | BAYECON101A, door, and filter kit | | 1½-3 | 1½-3 |
| BAYECONCOMB102A | BAYECON102A, door, and filter kit | | 3½-5 | 3½-5 |
| BAYENTH001A | Enthalpy Control Kit[2] | 2 | ✔ | ✔ |
| BAYEXMK001A | Extreme Conditions Mounting Kit (Used on BAYCURB & BAYADAP) | | ✔ | ✔ |
| BAYEXMK002B | Extreme Conditions Mounting Kit (Used on BAYUTIL) | | ✔ | ✔ |
| BAYEXMK003A | Extreme Conditions Mounting Kit (Used on Slab Mounts) | | ✔ | ✔ |
| BAYFLTR101C | 1-2" Filter Frame[1]-Requires one 20x25 filter (not included) | 6 | 1½-3 | 1½-3 |
| BAYFLTR201C | 1-2" Filter Frame[1]-Requires one 20x20, and one 20x18 filters (not included) | 6 | 3½-5 | 3½-5 |
| BAYLIFT002B | Lifting Lug Kit | 5 | ✔ | ✔ |
| BAYLOAM105A | Low Ambient Control Kit | 5 | ✔ | ✔ |
| BAYLPKT100A | LP Conversion Kit | | 40K,120K | 40K,120K |
| BAYLPKT101A | LP Conversion Kit | | 64K, 96K | 64K, 96K |
| BAYLPKT102A | LP Conversion Kit | | 75K | 75K |
| BAYOSAH001A | Manual Fresh Air Damper[1] | 6 | 1½-3 | 1½-3 |
| BAYOSAH002A | Manual Fresh Air Damper[1] | 8 | 3½-5 | 3½-5 |
| BAYQSTK301A | Start Kit | | ✔ | ✔ |
| BAYSQRD001A | 16" Round Duct Adapter[5] | 5 | 1½-3 | 1½-3 |
| BAYSQRD002A | 18" Round Duct Adapter[5] | 3 | 1½-5 | 1½-5 |
| BAYUTIL101B | Roof Curb Utility Extension Kit | | 1½-3 | 1½-3 |
| BAYUTIL102B | Roof Curb Utility Extension Kit | | 3½-5 | 3½-5 |
| BAYUV101A | 21" Retrofit UVC Lamp Kit | 5 | 1½-3 | 1½-3 |
| BAYUV102A | 33" Retrofit UVC Lamp Kit | 5 | 3½-5 | 3½-5 |

[1] Must use filter frame when economizer/fresh air kit is used.
[2] Dry bulb control standard with economizer.
[3] 2-Stage cooling control required when using economizer.
[4] Do not use with electronic thermostats.
[5] It is the responsibility of the installing dealer to properly size the ductwork for each specific application.
[6] BAYCOVR112,118A will not cover BAYSQRD002A applications.
[7] Does not contain barometric relief.
[8] Max fresh air - 25%.
[9] For non-continuous fan gas-heating applications, the damper opens only when the OD ambient is above 50° F.
[10] It is the designer/engineer's responsibility to review product specifications prior to equipment selection to insure optimal performance and compliance to codes.
[11] Temperature of mixed air entering the heat exchanger is monitored and fresh air intake may be reduced under certain conditions.
[12] BAYACCDOR1A requires BAYFLTR101B & BAYACCDOR2A requires BAYFLTR201B. They are not backward compatible to BAYFLTR101/201A.

| EXISTING CURB | NEW UNIT 4TC/WC/YC****A | USE BAYADAP0**A |
|---|---|---|
| BAYCURB030,38A | 018-036 | 50 |
| BAYCURB030,38A | 042-060 | 52 |
| BAYCURB033A | 018-036 | 51 |
| BAYCURB033A | 042-060 | 53 |
| BAYCURB034A | 042-060 | 54 |

**For dimensional/outline drawings, please refer to Product Data.**
**For information on Roof Curves, please refer to the Accessories/Information Tab.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

Packaged Gas/Electric

*American Standard*
HEATING & AIR CONDITIONING

# Packaged Gas/Electric Convertible 3-10 Tons

Beveled Top
Smoother Design
Small compact cabinet
Recessed access handles

## Standard Features:
- American Standard Heating & Air Conditioning scroll compressors on all 3-10 ton units
- Colored and numbered wiring
- Phase Monitor, R-410A, 3 Phase Units
- Provisions for through the Base Gas and Condensate Drain Connections
- 2" throwaway filters provided on all units
- Liquid Line Refrigerant Drier
- Operating Charge of R-410A
- IAQ Sloped Drain Pans
- Low Ambient to 40°F on Electromechanical models
- Low Ambient to 0°F on ReliaTel™ models
- 5 - year Limited Compressor Warranty
- 5 - year Limited Heat Exchanger Warranty
- 1 - year Limited Parts Warranty

## Added Flexibility
- Electromechanical or ReliaTel™ controls **(See page PC-17 for ReliaTel™ Control Information)**
- Standard or high efficiency cooling models available. 17+ available in 3T to 5T. For reference to 17+ please refer to publications RT-PRC048-EN and RT-SLB020-EN.
- Low, medium or high heat, single or two stage
- Convertible airflow
- Fork lift openings on three sides of unit
- Direct or belt drive - standard or oversized motors
- We don't prepackage options
- Choose options tailored to suit each job —pay only for what is needed
- Units ship with options installed —and within our standard ship cycle time

## Factory Installed Options
- Through-the-Base — Electrical
- Convenience Outlet — Powered or unpowered
- Unit Disconnect Switch
- Circuit Breaker
- Smoke Detectors — Supply, return, or both
- Condenser Coil Coating
- Hinged Access Service Panels
- Discharge Air Sensor
- Fan Fail and Clogged Filter Switches
- Condenser Coil Guard — Hail Protection Quality
- Hot Gas Reheat Coil - Dehumidification
- Expansion valve and split face evaporator coil
- Novar Controls
- Comm 3/4 Communications Interface
- 2" Pleated Media filters (MERV 8 & 13)
- Frostat
- Multi-Speed & Single Zone VAV ID Airflow
- Demand Control Ventilation
- Stainless Steel Drainpan
- Condensate Drainpan Overflow Switch

**The same American Standard Heating & Air Conditioning Quality and Reliability … with added Flexibility!**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

PG-8

Effective 1/1/13
14-1011-29

# Packaged Gas/Electric Convertible 6-10 Tons, R-410A

American Standard
HEATING & AIR CONDITIONING

Packaged Gas/Electric

**Table PG-9-A — 17 Plus - R-410A - ReliaTel™ Controls Only**

| Tons | Unit Ordering No. | Performance[2] EER | Cooling Capacity (Btuh) | Heating Output[1] Capacity (Btuh) | AFUE% | Cabinet Dimensions (in.) H x W x L | Downflow Supply | Downflow Return | Shipping Weight (lbs.) | MCA** | Max. Fuse** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **YHC - 208-230/3/60 - Three Phase - Low Heat** | | | | | | | | | | | |
| 3 | YHC037E3RLA0000 | 17.5 | 36,500 | 48,000 | 78 | 36 x 44 x 69 | 18 x 15.5 | 24 x 14 | 676 | 23.3 | 30 |
| 4 | YHC047E3RLA0000 | 17.5 | 50,500 | 49,000 | 80 | 41 x 53 x 88 | 33 x 17.5 | 33 x 17.5 | 858 | 29.4 | 40 |
| 5 | YHC067E3RLA0000 | 17.2 | 60,000 | 49,000 | 80 | 41 x 53 x 88 | 33 x 17.5 | 33 x 17.5 | 917 | 32.2 | 45 |
| **YHC - 460/3/60 - Three Phase - Low Heat** | | | | | | | | | | | |
| 3 | YHC037E4RLA0000 | 17.5 | 36,500 | 48,000 | 78 | 36 x 44 x 69 | 18 x 15.5 | 24 x 14 | 676 | 11.4 | 15 |
| 4 | YHC047E4RLA0000 | 17.5 | 50,500 | 49,000 | 80 | 41 x 53 x 88 | 33 x 17.5 | 33 x 17.5 | 858 | 13.7 | 20 |
| 5 | YHC067E4RLA0000 | 17.2 | 60,000 | 49,000 | 80 | 41 x 53 x 88 | 33 x 17.5 | 33 x 17.5 | 917 | 15.2 | 20 |
| **YHC - 208-230/3/60 - Three Phase - Medium Heat** | | | | | | | | | | | |
| 3 | YHC037E3RMA0000 | 17.5 | 36,500 | 64,000 | 78 | 36 x 44 x 69 | 18 x 15.5 | 24 x 14 | 676 | 23.3 | 30 |
| 4 | YHC047E3RMA0000 | 17.5 | 50,500 | 64,000 | 79 | 41 x 53 x 88 | 33 x 17.5 | 33 x 17.5 | 858 | 29.4 | 40 |
| 5 | YHC067E3RMA0000 | 17.2 | 60,000 | 64,000 | 79 | 41 x 53 x 88 | 33 x 17.5 | 33 x 17.5 | 917 | 32.2 | 45 |
| **YHC - 460/3/60 - Three Phase - Medium Heat** | | | | | | | | | | | |
| 3 | YHC037E4RMA0000 | 17.5 | 36,500 | 64,000 | 78 | 36 x 44 x 69 | 18 x 15.5 | 24 x 14 | 676 | 11.4 | 15 |
| 4 | YHC047E4RMA0000 | 17.5 | 50,500 | 64,000 | 79 | 41 x 53 x 88 | 33 x 17.5 | 33 x 17.5 | 858 | 13.7 | 20 |
| 5 | YHC067E4RMA0000 | 17.2 | 60,000 | 64,000 | 79 | 41 x 53 x 88 | 33 x 17.5 | 33 x 17.5 | 917 | 15.2 | 20 |
| **YHC - 208-230/3/60 - Three Phase - High Heat** | | | | | | | | | | | |
| 3 | YHC037E3RHA0000 | 17.5 | 36,500 | 80,000 | 78 | 36 x 44 x 69 | 18 x 15.5 | 24 x 14 | 676 | 23.3 | 30 |
| 4 | YHC047E3RHA0000 | 17.5 | 50,500 | 96,000 | 79 | 41 x 53 x 88 | 33 x 17.5 | 33 x 17.5 | 858 | 29.4 | 40 |
| 5 | YHC067E3RHA0000 | 17.2 | 60,000 | 104,000 | 80 | 41 x 53 x 88 | 33 x 17.5 | 33 x 17.5 | 917 | 32.2 | 45 |
| **YHC - 460/3/60 - Three Phase - High Heat** | | | | | | | | | | | |
| 3 | YHC037E4RHA0000 | 17.5 | 36,500 | 80,000 | 78 | 36 x 44 x 69 | 18 x 15.5 | 24 x 14 | 676 | 11.4 | 15 |
| 4 | YHC047E4RHA0000 | 17.5 | 50,500 | 96,000 | 79 | 41 x 53 x 88 | 33 x 17.5 | 33 x 17.5 | 858 | 13.7 | 20 |
| 5 | YHC067E4RHA0000 | 17.2 | 60,000 | 104,000 | 80 | 41 x 53 x 88 | 33 x 17.5 | 33 x 17.5 | 917 | 15.2 | 20 |

① Downflow Airflow/Horizontal Airflow
② SEER applies, 3-5 tons; EER applies 6-10 tons.
** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

PG-9

Effective 1/1/13
14-1011-29

**Table PG-10-A — Base Unit — 15 SEER High Efficiency — Electromechanical or ReliaTel™**

| Tons | Unit Ordering No. | Performance② SEER/EER | Cooling Capacity (Btuh) | Heating Output① Capacity (Btuh) | AFUE% | Cabinet Dimensions (in.) H x W x L | Downflow Supply | Downflow Return | Shipping Weight (lbs.) | MCA** | Max. Fuse** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **YHC - 208-230/1/60 - Single Phase - Low Heat** | | | | | | | | | | | |
| 3 | YHC036E1*LA0000 | 15.2 | 38,490 | 48,000 | 78 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 555 | 26.7 | 40 |
| 4 | YHC048E1*LA0000 | 15.0 | 48,930 | 48,000 | 80 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 798 | 35.7 | 50 |
| 5 | YHC060E1*LA0000 | 15.0 | 62,490 | 48,000 | 80 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 823 | 43.8 | 70 |
| **YHC - 208-230/3/60 - Three Phase - Low Heat** | | | | | | | | | | | |
| 3 | YHC036E3*LA0000 | 15.0 | 38,490 | 48,000 | 78 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 637 | 21.9 | 30 |
| 4 | YHC048E3*LA0000 | 15.0 | 49,930 | 48,000 | 80 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 869 | 28.3 | 40 |
| 5 | YHC060E3*LA0000 | 15.0 | 63,490 | 48,000 | 80 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 894 | 32.1 | 45 |
| **YHC - 460/3/60 - Three Phase - Low Heat** | | | | | | | | | | | |
| 3 | YHC036E4*LA0000 | 15.0 | 38,490 | 48,000 | 78 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 637 | 10.2 | 15 |
| 4 | YHC048E4*LA0000 | 15.0 | 49,930 | 48,000 | 80 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 869 | 13.8 | 20 |
| 5 | YHC060E4*LA0000 | 15.0 | 63,490 | 48,000 | 80 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 894 | 17.0 | 25 |
| **YHC - 208-230/1/60 - Single Phase - Medium Heat** | | | | | | | | | | | |
| 3 | YHC036E1*MA0000 | 15.2 | 38,490 | 65,000 | 78 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 637 | 26.7 | 40 |
| 4 | YHC048E1*MA0000 | 15.0 | 48,930 | 64,000 | 79 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 869 | 35.7 | 50 |
| 5 | YHC060E1*MA0000 | 15.0 | 62,490 | 64,000 | 79 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 894 | 43.8 | 70 |
| **YHC - 208-230/3/60 - Three Phase - Medium Heat** | | | | | | | | | | | |
| 3 | YHC036E3*MA0000 | 15.0 | 38,490 | 64,000 | 78 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 637 | 21.9 | 30 |
| 4 | YHC048E3*MA0000 | 15.0 | 49,930 | 64,000 | 79 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 869 | 28.3 | 40 |
| 5 | YHC060E3*MA0000 | 15.0 | 63,490 | 64,000 | 79 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 894 | 32.1 | 45 |
| **YHC - 460/3/60 - Three Phase - Medium Heat** | | | | | | | | | | | |
| 3 | YHC036E4*MA0000 | 15.0 | 38,490 | 64,000 | 78 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 637 | 10.2 | 15 |
| 4 | YHC048E4*MA0000 | 15.0 | 49,930 | 64,000 | 79 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 869 | 13.8 | 20 |
| 5 | YHC060E4*MA0000 | 15.0 | 63,490 | 64,000 | 79 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 894 | 17.0 | 25 |
| **YHC - 208-230/1/60 - Single Phase - High Heat** | | | | | | | | | | | |
| 3 | YHC036E1*HA0000 | 15.2 | 38,490 | 96,000 | 78 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 637 | 26.7 | 40 |
| 4 | YHC048E1*HA0000 | 15.0 | 48,930 | 96,000 | 79 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 869 | 35.7 | 50 |
| 5 | YHC060E1*HA0000 | 15.0 | 62,490 | 104,000 | 80 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 894 | 43.8 | 70 |
| **YHC - 208-230/3/60 - Three Phase - High Heat** | | | | | | | | | | | |
| 3 | YHC036E3*HA0000 | 15.0 | 38,490 | 96,000 | 78 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 637 | 21.9 | 30 |
| 4 | YHC048E3*HA0000 | 15.0 | 49,930 | 96,000 | 79 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 869 | 28.3 | 40 |
| 5 | YHC060E3*HA0000 | 15.0 | 63,490 | 104,000 | 80 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 894 | 32.1 | 45 |
| **YHC - 460/3/60 - Three Phase - High Heat** | | | | | | | | | | | |
| 3 | YHC036E4*HA0000 | 15.0 | 38,490 | 96,000 | 78 | 36 x 43 x 69 | 16 x 15.5 | 24 x 14 | 637 | 10.2 | 15 |
| 4 | YHC048E4*HA0000 | 15.0 | 49,930 | 96,000 | 79 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 869 | 13.8 | 20 |
| 5 | YHC060E4*HA0000 | 15.0 | 63,490 | 104,000 | 80 | 42 x 53 x 88 | 33 x 17.5 | 32.2 x 17.5 | 894 | 17.0 | 25 |

① Downflow Airflow/Horizontal Airflow
② SEER applies, 3-5 tons; EER applies 6-10 tons.
\* Digit 9-E=Electromechanical or R=ReliaTel™.
\*\* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

*Packaged Gas/Electric* (side tab)

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

PG-10

Effective 1/1/13
14-1011-29

# Packaged Gas/Electric
# Convertible 3-5 Tons, 13 SEER, R-410A

**Table PG-11-A — Base Unit — 13 SEER — Electromechanical or ReliaTel™**

| Tons | Unit Ordering No. | Performance② SEER/EER | Cooling Capacity (Btuh) | Heating Output① Capacity (Btuh) | AFUE% | Cabinet Dimensions (in.) H x W x L | Downflow Supply | Downflow Return | Shipping Weight (lbs.) | MCA** | Max. Fuse** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **YSC –208-230/1/60 – Single Phase – Low Heat** | | | | | | | | | | | |
| 3 | YSC036E1*LA0000 | 13.0 | 35,620 | 48,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 607 | 27.2 | 40 |
| 4 | YSC048E1*LA0000 | 13.0 | 49,210 | 48,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 638 | 35.2 | 50 |
| 5 | YSC060E1*LA0000 | 13.0 | 59,900 | 48,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 688 | 43.8 | 70 |
| **YSC –208-230/3/60 – Three Phase – Low Heat** | | | | | | | | | | | |
| 3 | YSC036E3*LA0000 | 13.0 | 37,150 | 48,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 607 | 23.0 | 35 |
| 4 | YSC048E3*LA0000 | 13.0 | 49,450 | 48,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 638 | 25.2 | 35 |
| 5 | YSC060E3*LA0000 | 13.0 | 62,270 | 48,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 688 | 29.5 | 45 |
| **YSC –460/3/60 – Three Phase – Low Heat** | | | | | | | | | | | |
| 3 | YSC036E4*LA0000 | 13.0 | 37,150 | 48,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 607 | 11.7 | 15 |
| 4 | YSC048E4*LA0000 | 13.0 | 49,450 | 48,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 638 | 12.5 | 15 |
| 5 | YSC060E4*LA0000 | 13.0 | 62,270 | 48,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 688 | 15.5 | 25 |
| **YSC –575/3/60 – Three Phase – Low Heat** | | | | | | | | | | | |
| 3 | YSC036EW*LA0000 | 13.0 | 37,150 | 48,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 607 | 9.4 | 15 |
| 4 | YSC048EW*LA0000 | 13.0 | 49,450 | 48,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 638 | 9.0 | 15 |
| 5 | YSC060EW*LA0000 | 13.0 | 62,270 | 48,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 688 | 10.1 | 15 |
| **YSC –208-230/1/60 – Single Phase – Medium Heat** | | | | | | | | | | | |
| 3 | YSC036E1*MA0000 | 13.0 | 35,620 | 64,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 607 | 27.2 | 40 |
| 4 | YSC048E1*MA0000 | 13.0 | 49,210 | 64,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 638 | 35.2 | 50 |
| 5 | YSC060E1*MA0000 | 13.0 | 59,900 | 64,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 688 | 43.8 | 70 |
| **YSC –208-230/3/60 – Three Phase – Medium Heat** | | | | | | | | | | | |
| 3 | YSC036E3*MA0000 | 13.0 | 37,150 | 64,000 | 81 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 607 | 23.0 | 35 |
| 4 | YSC048E3*MA0000 | 13.0 | 49,450 | 64,000 | 81 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 638 | 25.2 | 35 |
| 5 | YSC060E3*MA0000 | 13.0 | 62,270 | 64,000 | 81 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 688 | 29.5 | 45 |
| **YSC –460/3/60 – Three Phase – Medium Heat** | | | | | | | | | | | |
| 3 | YSC036E4*MA0000 | 13.0 | 37,150 | 64,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 607 | 11.7 | 15 |
| 4 | YSC048E4*MA0000 | 13.0 | 49,450 | 64,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 638 | 12.5 | 15 |
| 5 | YSC060E4*MA0000 | 13.0 | 62,270 | 64,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 688 | 15.5 | 25 |
| **YSC –575/3/60 – Three Phase – Medium Heat** | | | | | | | | | | | |
| 3 | YSC036EW*MA0000 | 13.0 | 37,150 | 64,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 607 | 9.4 | 15 |
| 4 | YSC048EW*MA0000 | 13.0 | 49,450 | 64,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 638 | 9.0 | 15 |
| 5 | YSC060EW*MA0000 | 13.0 | 62,270 | 64,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 688 | 10.1 | 15 |
| **YSC –208-230/1/60 – Single Phase – High Heat** | | | | | | | | | | | |
| 3 | YSC036E1*HA0000 | 13.0 | 35,620 | 96,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 607 | 27.2 | 40 |
| 4 | YSC048E1*HA0000 | 13.0 | 49,210 | 96,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 638 | 35.2 | 50 |
| 5 | YSC060E1*HA0000 | 13.0 | 59,900 | 104,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 688 | 43.8 | 70 |
| **YSC –208-230/3/60 – Three Phase – High Heat** | | | | | | | | | | | |
| 3 | YSC036E3*HA0000 | 13.0 | 37,150 | 96,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 607 | 23.0 | 35 |
| 4 | YSC048E3*HA0000 | 13.0 | 49,450 | 96,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 638 | 25.2 | 35 |
| 5 | YSC060E3*HA0000 | 13.0 | 62,270 | 104,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 688 | 29.5 | 45 |
| **YSC –460/3/60 – Three Phase – High Heat** | | | | | | | | | | | |
| 3 | YSC036E4*HA0000 | 13.0 | 37,150 | 96,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 607 | 11.7 | 15 |
| 4 | YSC048E4*HA0000 | 13.0 | 49,450 | 96,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 638 | 12.5 | 15 |
| 5 | YSC060E4*HA0000 | 13.0 | 62,270 | 104,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 688 | 15.5 | 25 |
| **YSC –575/3/60 – Three Phase – High Heat** | | | | | | | | | | | |
| 3 | YSC036EW*HA0000 | 13.0 | 37,150 | 96,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 607 | 9.4 | 15 |
| 4 | YSC048EW*HA0000 | 13.0 | 49,450 | 96,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 638 | 9.0 | 15 |
| 5 | YSC060EW*HA0000 | 13.0 | 62,270 | 104,000 | 80 | 36 x 43 x 69 | 18 x 15.5 | 12 x 14 | 688 | 10.1 | 15 |

① Downflow Airflow/Horizontal Airflow
② SEER applies, 3-5 tons; EER applies 6-10 tons.
* Digit 9-E=Electromechanical or R=ReliaTel™.
** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

Packaged Gas/Electric

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

# Packaged Gas/Electric Convertible 6-10 Tons, High Efficiency, R-410A

*American Standard* ®
HEATING & AIR CONDITIONING

**Table PG-12-A — Base Unit — High Efficiency — Electromechanical or ReliaTel™**

| Tons | Unit Ordering No. | Performance② EER | Cooling Capacity (Btuh) | Heating Output① Capacity (Btuh) | AFUE% | Cabinet Dimensions (in.) H x W x L | Downflow Supply | Downflow Return | Shipping Weight (lbs.) | MCA** | Max. Fuse** |
|------|------|------|------|------|------|------|------|------|------|------|------|
| **YHC –208-230/3/60 – Three Phase – Low Heat** | | | | | | | | | | | |
| 6 | YHC072E3*LA0000 | 12.6 | 72,000 | 64,800 | 80 | 47 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 997 | 33.9 | 50 |
| 7½ | YHC092F3*LA0000 | 12.6 | 92,000 | 96,000 | 80 | 47 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 1124 | 41.9 | 50 |
| 8½ | YHC102E3*LA0000 | 13.0 | 103,000 | 96,000 | 80 | 51 x 63 x 100 | 32.25 x 19.25 | 32.25 x 16.75 | 1553 | 44.7 | 60 |
| 10 | YHC120E3*LA0000 | 12.5 | 119,000 | 120,000* | 80 | 51 x 63 x 100 | 32.25 x 19.25 | 32.25 x 16.75 | 1563 | 50.3 | 60 |
| **YHC –460/3/60 – Three Phase – Low Heat** | | | | | | | | | | | |
| 6 | YHC072E4*LA0000 | 12.6 | 72,000 | 64,800 | 80 | 47 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 997 | 16.3 | 25 |
| 7½ | YHC092F4*LA0000 | 12.6 | 92,000 | 96,000 | 80 | 47 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 1124 | 19.9 | 25 |
| 8½ | YHC102E4*LA0000 | 13.0 | 103,000 | 96,000 | 80 | 51 x 63 x 100 | 32.25 x 19.25 | 32.25 x 16.75 | 1553 | 22.9 | 30 |
| 10 | YHC120E4*LA0000 | 12.5 | 119,000 | 120,000* | 80 | 51 x 63 x 100 | 32.25 x 19.25 | 32.25 x 16.75 | 1563 | 24.9 | 30 |
| **YHC –208-230/3/60 – Three Phase – Medium Heat** | | | | | | | | | | | |
| 6 | YHC072E3*MA0000 | 12.6 | 72,000 | 96,000 | 80 | 47 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 997 | 33.9 | 50 |
| 7½ | YHC092F3*MA0000 | 12.6 | 92,000 | 120,000* | 80 | 47 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 1124 | 41.9 | 50 |
| 8½ | YHC102E3*MA0000 | 13.0 | 103,000 | 120,000* | 80 | 51 x 63 x 100 | 32.25 x 19.25 | 32.25 x 16.75 | 1553 | 44.7 | 60 |
| 10 | YHC120E3*MA0000 | 12.5 | 119,000 | 160,000* | 80 | 51 x 63 x 100 | 32.25 x 19.25 | 32.25 x 16.75 | 1563 | 50.3 | 60 |
| **YHC –460/3/60 – Three Phase – Medium Heat** | | | | | | | | | | | |
| 6 | YHC072E4*MA0000 | 12.6 | 72,000 | 96,000 | 80 | 47 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 997 | 16.3 | 25 |
| 7½ | YHC092F4*MA0000 | 12.6 | 92,000 | 120,000* | 80 | 47 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 1124 | 19.9 | 25 |
| 8½ | YHC102E4*MA0000 | 13.0 | 103,000 | 120,000* | 80 | 51 x 63 x 100 | 32.25 x 19.25 | 32.25 x 16.75 | 1553 | 22.9 | 30 |
| 10 | YHC120E4*MA0000 | 12.5 | 119,000 | 160,000* | 80 | 51 x 63 x 100 | 32.25 x 19.25 | 32.25 x 16.75 | 1563 | 24.9 | 30 |
| **YHC –208-230/3/60 – Three Phase – High Heat** | | | | | | | | | | | |
| 6 | YHC072E3*HA0000 | 12.6 | 72,000 | 120,000* | 80 | 47 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 997 | 33.9 | 50 |
| 7½ | YHC092F3*HA0000 | 12.6 | 92,000 | 160,000* | 80 | 47 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 1124 | 41.9 | 50 |
| 8½ | YHC102E3*HA0000 | 13.0 | 103,000 | 160,000* | 80 | 51 x 63 x 100 | 32.25 x 19.25 | 32.25 x 16.75 | 1553 | 44.7 | 60 |
| 10 | YHC120E3*HA0000 | 12.5 | 119,000 | 200,000* | 80 | 51 x 63 x 100 | 32.25 x 19.25 | 32.25 x 16.75 | 1563 | 50.3 | 60 |
| **YHC –460/3/60 – Three Phase – High Heat** | | | | | | | | | | | |
| 6 | YHC072E4*HA0000 | 12.6 | 72,000 | 120,000* | 80 | 47 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 997 | 16.3 | 25 |
| 7½ | YHC092F4*HA0000 | 12.6 | 92,000 | 160,000* | 80 | 47 x 53 x 88 | 33 x 17.5 | 32.13 x 17.5 | 1124 | 19.9 | 25 |
| 8½ | YHC102E4*HA0000 | 13.0 | 103,000 | 160,000* | 80 | 51 x 63 x 100 | 32.25 x 19.25 | 32.25 x 16.75 | 1553 | 22.9 | 30 |
| 10 | YHC120E4*HA0000 | 12.5 | 119,000 | 200,000* | 80 | 51 x 63 x 100 | 32.25 x 19.25 | 32.25 x 16.75 | 1563 | 24.9 | 30 |

① Downflow Airflow/Horizontal Airflow
② SEER applies, 3-5 tons; EER applies 6-10 tons.
* Digit 9-E=Electromechanical or R=ReliaTel™.
** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

Packaged Gas/Electric

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

**Table PG-13-A — Base Unit — Standard Efficiency — Electromechanical or ReliaTel™**

| Tons | Unit Ordering No. | Performance② EER | Cooling Capacity (Btuh) | Heating Output① Capacity (Btuh) | AFUE% | Cabinet Dimensions (in.) H x W x L | Downflow Supply | Downflow Return | Shipping Weight (lbs.) | MCA** | Max. Fuse** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **YSC –208-230/3/60 – Three Phase – Low Heat** | | | | | | | | | | | |
| 6 | YSC072E3*LA0000 | 11.2 | 75,000 | 64,800 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 936 | 36.5 | 50 |
| 7½ | YSC090E3*LA0000 | 11.2 | 89,000 | 120,000 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 916 | 38.2 | 60 |
| 7½ | YSC092E3*LA0000 | 11.2 | 94,000 | 97,200 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1059 | 41.2 | 50 |
| 8½ | YSC102E3*LA0000 | 11.2 | 102,000 | 97,200 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1096 | 46.3 | 60 |
| 10 | YSC120F3*LA0000 | 11.3 | 118,000 | 121,500 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1156 | 49.6 | 60 |
| **YSC –460/3/60 – Three Phase – Low Heat** | | | | | | | | | | | |
| 6 | YSC072E4*LA0000 | 11.2 | 75,000 | 64,800 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 936 | 18.2 | 25 |
| 7½ | YSC090E4*LA0000 | 11.2 | 89,000 | 120,000 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 916 | 19.5 | 30 |
| 7½ | YSC092E4*LA0000 | 11.2 | 94,000 | 97,200 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1059 | 21.5 | 25 |
| 8½ | YSC102E4*LA0000 | 11.2 | 102,000 | 97,200 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1096 | 21.9 | 25 |
| 10 | YSC120F4*LA0000 | 11.3 | 118,000 | 121,500 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1156 | 22.7 | 35 |
| **YSC –575/3/60 – Three Phase – Low Heat** | | | | | | | | | | | |
| 6 | YSC072EW*LA0000 | 11.2 | 75,000 | 64,800 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 936 | 12.7 | 20 |
| 7½ | YSC090EW*LA0000 | 11.2 | 89,000 | 120,000 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 916 | 14.7 | 20 |
| 7½ | YSC092EW*LA0000 | 11.2 | 94,000 | 97,200 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1059 | 15.0 | 20 |
| 8½ | YSC102EW*LA0000 | 11.2 | 102,000 | 97,200 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1096 | 17.5 | 20 |
| 10 | YSC120FW*LA0000 | 11.3 | 118,000 | 121,500 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1156 | 18.9 | 25 |
| **YSC –208-230/3/60 – Three Phase – Medium Heat** | | | | | | | | | | | |
| 6 | YSC072E3*MA0000 | 11.2 | 75,000 | 97,200 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 936 | 36.5 | 50 |
| 7½ | YSC090E3*MA0000 | 11.2 | 89,000 | 150,000 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 916 | 38.2 | 60 |
| 7½ | YSC092E3*MA0000 | 11.2 | 94,000 | 121,500 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1059 | 41.2 | 50 |
| 8½ | YSC102E3*MA0000 | 11.2 | 102,000 | 121,500 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1096 | 46.3 | 60 |
| 10 | YSC120F3*MA0000 | 11.3 | 118,000 | 162,000 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1156 | 49.6 | 60 |
| **YSC –460/3/60 – Three Phase – Medium Heat** | | | | | | | | | | | |
| 6 | YSC072E4*MA0000 | 11.2 | 75,000 | 97,200 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 936 | 18.2 | 25 |
| 7½ | YSC090E4*MA0000 | 11.2 | 89,000 | 150,000 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 916 | 19.5 | 30 |
| 7½ | YSC092E4*MA0000 | 11.2 | 94,000 | 121,500 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1059 | 21.5 | 25 |
| 8½ | YSC102E4*MA0000 | 11.2 | 102,000 | 121,500 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1096 | 21.9 | 25 |
| 10 | YSC120F4*Ma0000 | 11.3 | 118,000 | 162,000 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1156 | 22.7 | 35 |
| **YSC –575/3/60 – Three Phase – Medium Heat** | | | | | | | | | | | |
| 6 | YSC072EW*MA0000 | 11.2 | 75,000 | 97,200 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 936 | 12.7 | 20 |
| 7½ | YSC090EW*MA0000 | 11.2 | 89,000 | 150,000 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 916 | 14.7 | 20 |
| 7½ | YSC092EW*MA0000 | 11.2 | 94,000 | 121,500 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1059 | 15.9 | 20 |
| 8½ | YSC102EW*MA0000 | 11.2 | 102,000 | 121,500 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1096 | 17.5 | 20 |
| 10 | YSC120FW*MA0000 | 11.3 | 118,000 | 162,000 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1156 | 18.9 | 25 |
| **YSC –208-230/3/60 – Three Phase – High Heat** | | | | | | | | | | | |
| 6 | YSC072E3*HA0000 | 11.2 | 75,000 | 121,500 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 936 | 36.5 | 50 |
| 7½ | YSC090E3*HA0000 | 11.2 | 89,000 | 200,000 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 916 | 38.2 | 60 |
| 7½ | YSC092E3*HA0000 | 11.2 | 94,000 | 162,000 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1059 | 41.2 | 50 |
| 8½ | YSC102E3*HA0000 | 11.2 | 102,000 | 162,000 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1096 | 46.3 | 60 |
| 10 | YSC120F3*HA0000 | 11.3 | 118,000 | 205,500 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1156 | 49.6 | 60 |
| **YSC –460/3/60 – Three Phase – High Heat** | | | | | | | | | | | |
| 6 | YSC072E4*HA0000 | 11.2 | 75,000 | 121,500 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 936 | 18.2 | 25 |
| 7½ | YSC090E4*HA0000 | 11.2 | 89,000 | 200,000 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 916 | 19.5 | 30 |
| 7½ | YSC092E4*HA0000 | 11.2 | 94,000 | 162,000 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1059 | 21.5 | 25 |
| 8½ | YSC102E4*HA0000 | 11.2 | 102,000 | 162,000 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1096 | 21.9 | 25 |
| 10 | YSC120F4*HA0000 | 11.3 | 118,000 | 205,500 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1156 | 22.7 | 35 |
| **YSC –575/3/60 – Three Phase – High Heat** | | | | | | | | | | | |
| 6 | YSC072EW*HA0000 | 11.2 | 75,000 | 121,500 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 936 | 12.7 | 20 |
| 7½ | YSC090EW*HA0000 | 11.2 | 89,000 | 200,000 | 80 | 41 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 916 | 14.7 | 20 |
| 7½ | YSC092EW*HA0000 | 11.2 | 94,000 | 162,000 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1059 | 15.9 | 20 |
| 8½ | YSC102EW*HA0000 | 11.2 | 102,000 | 162,000 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1096 | 17.5 | 20 |
| 10 | YSC120FW*HA0000 | 11.3 | 118,000 | 205,500 | 80 | 47 x 53 x 89 | 33 x 17.5 | 32.13 x 17.5 | 1156 | 18.9 | 25 |

① Downflow Airflow/Horizontal Airflow
② SEER applies, 3-5 tons; EER applies 6-10 tons.
* Digit 9–E=Electromechanical or R=ReliaTel™.
** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Packaged Gas/Electric

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**Packaged Gas/Electric** *(vertical sidebar)*

| Digit | Description | Order Number |
|---|---|---|
| 1-8 | **Main Assembly (see previous page)** | |
| 9 | **Unit Controls** | |
| | Electromechanical | E |
| | ReliaTel™ Micro-processor | R |
| 10 | **Heating Capacity** | |
| | Low | L |
| | Medium | M |
| | High | H |
| | Low - Stainless Steel Heat Exchanger | X |
| | Medium - Stainless Steel Heat Exchanger | Y |
| | High - Stainless Steel Heat Exchanger | Z |
| 11 | **Minor Design Sequence** | |
| | First Sequence | A |
| 12-13 | **Service Sequence** | |
| | First Sequence (Factory assigned) | *,* |
| 14 | **Fresh Air Selection** | |
| | No Fresh Air | 0 |
| | Manual Outside Air Damper 0-50%[4] | A |
| | Motorized Outside Air Damper 0-50%[28] | B |
| | Economizer, Dry Bulb 0-100% without Barometric Relief[7] | C |
| | Economizer, Dry Bulb 0-100% with Barometric Relief[7] | D |
| | Economizer, Reference Enthalpy 0-100% without Barometric Relief[3][7] | E |
| | Economizer, Reference Enthalpy 0-100% with Barometric Relief[3][7] | F |
| | Economizer, Comparative Enthalpy 0-100% without Barometric Relief[3][7] | G |
| | Economizer, Comparative Enthalpy 0-100% with Barometric Relief[3][7] | H |
| 15 | **Supply Fan/Drive Type/Motor** | |
| | Standard Drive[6] | 0 |
| | Oversized Motor | 1 |
| | Optional Belt Drive Motor[18] | 2 |
| | Single Zone VAV[28] | 6 |
| | Multi-Speed Indoor Fan[27] | 7 |
| 16 | **Hinged Service Access/Filters** | |
| | Standard Panels/Standard Filters A Hinged Access Panels/Standard Filters | 0 |
| | Standard Panels/2" MERV 8 Filters C Hinged Access Panels/2" MERV 8 Filters | B |
| | Standard Panels/2" MERV 13 Filters | D |
| | Hinged Access Panels/2" MERV 13 Filters | E |
| 17 | **Condenser Coil Protection** | |
| | Standard Coil | 0 |
| | Standard Coil with Hail Guard | 1 |
| | Black Epoxy Pre-Coated Condenser Coil[25] | 2 |
| | Black Epoxy Pre-Coated Condenser Coil with Hail Guard[25] | 3 |
| | CompleteCoat™ Condenser Coil | 4 |
| | CompleteCoat™ Condenser Coil with Hail Guard | 5 |
| 18 | **Through the Base Provisions** | |
| | *Note: Applicable to Digit 1,T or Y models* | |
| | No Through-the-Base Provisions | 0 |
| | Through-the-Base Electric[8] | A |
| | *Note: Applicable to Digit 1,Y models only* | |
| | Through-the-Base Gas Piping[16] | B |
| | Through-the-Base Electric and Gas Piping[16] | C |
| 19 | **Disconnect/Circuit Breaker (three-phase only)** | |
| | No Disconnect/No Circuit Breaker | 0 |
| | Unit Mounted Non-Fused Disconnect[8] | 1 |
| | Unit Mounted Circuit Breaker[8] | 2 |

| Digit | Description | Order Number |
|---|---|---|
| 20 | **Convenience Outlet** | |
| | No Convenience Outlet | 0 |
| | Unpowered Convenience Outlet | A |
| | Powered Convenience Outlet (three-phase only)[9] | B |
| 21 | **Communications Options[3]** | |
| | No Communications Interface | 0 |
| | Novar 2024 Controls[30] | 3 |
| | Novar 3051 Controls without Zone Sensor[30] | 4 |
| | Novar 3051 Controls Interface with DCV[30] | 5 |
| | BACnet™ Communications Interface | 6 |
| 22 | **Refrigeration System Option** | |
| | Standard Refrigeration System[10] | 0 |
| | Dehumidification Option[22][23] | B |
| 23 | **Refrigeration Controls** | |
| | *Note: Applicable to Digit 7 = E, F* | |
| | No Refrigeration Contro[5] | 0 |
| | Frostat[11][29] | 1 |
| | Crankcase Heater[2] | 2 |
| | Frostat[11][29] and Crankcase Heater[2] | 3 |
| 24 | **Smoke Detector[17]** | |
| | No Smoke Detector | 0 |
| | Return Air Smoke Detector[12][13] | A |
| | Supply Air Smoke Detector | B |
| | Supply and Return Air Smoke Detectors[12][13] | C |
| | Plenum Smoke Detector | D |
| 25 | **System Monitoring Controls** | |
| | No Monitoring Control[14] | 0 |
| | Clogged Filter Switch[14] | 1 |
| | Fan Failure Switch[14] | 2 |
| | Discharge Air Sensing Tube[14] | 3 |
| | Clogged Filter Switch and Fan Failure Switch[14] | 4 |
| | Clogged Filter Switch and Discharge Air Sensing Tube[14] | 5 |
| | Fan Failure Switch and Discharge Air Sensing Tube[14] | 6 |
| | Clogged Filter Switch, Fan Failure Switch and Discharge Air Sensing Tube[14] | 7 |
| | Novar Return Air Sensor (NOVAR 2024)[15][30] | 8 |
| | Novar ZoneTemp Sensor (NOVAR 3051)[19][30] | 9 |
| | Condensate Drain Pan Overflow Switch | A |
| | Clogged Filter Switch[14] and Condensate Drain Pan Overflow Switch | B |
| | Fan Failure Switch[14] and Condensate Drain Pan Overflow Switch | C |
| | Discharge Air Sensing[14] and Condensate Drain Pan Overflow Switch | D |
| | Clogged Filter Switch[14], Fan Failure Switch[14] and Condensate Drain Pan Overflow Switch | E |
| | Clogged Filter Switch[14], Discharge Air Sensing Tube[14] and Condensate Drain Pan Overflow Switch | F |
| | Fan Failure Switch, Discharge Air Sensing Tube[14] and Condensate Drain Pan Overflow Switch | G |
| | Clogged Filter Switch[14], Fan Failure Switch[14], Discharge Air Sensing[14] and Condensate Drain Pan Overflow Switch | H |
| 26 | **System Monitoring Controls** | |
| | No Monitoring Controls | 0 |
| | Demand Control Ventilation ($CO_2$)[31][32] | A |
| 27 | **Unit Hardware Enhancements** | |
| | No Enhancements | 0 |
| | Stainless Steel Drain Pan | 1 |

See Footnotes [1]-[32] next page.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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① Available on 3-5 Ton models.

② Standard on 4-5 Ton E3,4,W and 6-10 Ton Heat Pumps and all High Efficiency models.

③ Not available with electromechanical controls.

④ Manual outside air damper will ship factory supplied within the unit, but must be field installed.

⑤ High pressure control is standard on all units.

⑥ On 3-5 ton, multispeed direct drive is standard on single phase and 15 SEER. On 6-10 ton, multispeed direct drive is standard on all 10 ton and 7.5-8.5 ton high efficiency. Belt drive is standard on all other units.

⑦ Economizer with Barometric Relief is for downflow configured units only. Order Economizer without Barometric Relief for horizontal configuration. Barometric Relief for horizontal configured units must be ordered as field installed accessory.

⑧ Through the base electric required when ordering disconnect/circuit breaker options.

⑨ Requires use of Disconnect or Circuit Breaker.

**Digit 15 = 0**

Standard Efficiency
1 Phase = High Efficiency Multispeed Direct Drive Motor
3 Phase (3-8½ Ton) = Belt Drive
3 Phase (10 Ton) = Ultra High Efficiency Direct Drive Plenum Fan

High Efficiency
1 Phase = High Efficiency Multispeed Direct Drive Motor
3 Phase (3-5 ton) = High Efficiency Multispeed Direct Drive Motor
3 Phase (3-5 ton w/Dehumidification) = Belt Drive Motor
3 Phase (7½-10 ton) = Ultra High Efficiency Direct Drive Plenum Fan

**Not Available**
Standard Efficiency: 10 Ton w/575V
High Efficiency: 3-5 ton w/Standard Indoor Motor w/460V

⑩ Standard metering devices are TXVs.

⑪ Frostat cannot be field installed in electro-mechanical units.

⑫ The return air smoke detector may not fit up or work properly on the Precedent units when used in conjunction with 3rd party accessories such as bolt on heat wheels, economizers and power exhaust. Do not order the return air smoke detectors when using this type of accessory.

⑬ Return Air Smoke Detector cannot be ordered with Novar Controls.

⑭ These options are standard when ordering Novar Controls.

⑮ This option is used when ordering Novar Controls.

⑯ Includes gas piping and shutoff (field assembly required).

⑰ Not available with high temperature duct sensor accessory.

⑱ Digit 15 = 2

⑲ Novar Sensor utilized with Digit 21 = (4) Novar 3051 Controls without Zone Sensor.

⑳ Available for T/Y 10 ton standard efficiency models only.

㉑ Available for T/Y 3, 4, 5, 6, 7½, 8½ ton standard/high efficiency models only.

㉒ Requires selection of 2" Pleated Filters (option B or C) for Digit 16.

㉓ Not available on 6 ton units and all single phase or standard efficiency.

㉔ Standard on T/YSC 6, 7½ (single and dual systems), 8½, 10 ton standard efficiency models and T/YHC 4, 5, 6, 7½ ton high efficiency models (except for dehumidification models).

㉕ Epoxy coil and epoxy with hailguard options are not available for units with microchannel condenser coil.

㉖ Single Zone VAV is only available on 7.5-10 ton high efficiency and 10 ton standard efficiency products with ReliaTel™ controls.

㉗ Multi-speed indoor fan available only on 7.5 & 8.5 ton high efficiency, and 10 ton products with ReliaTel™ controls.

㉘ Motorized Outside Air Damper is not available on Multi-Speed or SZVAV (Single Zone Variable Air Volume) products.

㉙ Frostat standard on Multi-Speed and SZVAV (Single Zone Variable Air Volume) products.

㉚ Novar is not available with SZVAV products.

㉛ Demand Control Ventilation not available with electromechanical controls.

㉜ Demand Control Ventilation Option includes wiring only. The $CO_2$ sensor is a field-installed only option.

**Packaged Gas/Electric**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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# Packaged Gas/Electric
# Convertible 3-10 Tons Accessories

**Packaged Gas/Electric**

## Table PG-16-A — Accessories

| Model Number | Description | Used With[11] |
|---|---|---|
| BAYABRD001C[3] | ReliaTel™ Options Module | THC037-067 See Note[6] |
| BAYASCT001C[7][8] | Anti-Short-Cycle Timer | THC037-067 |
| BAYBARM010A[5] | Barometric Relief | YSC036-060E, YHC036E |
| BAYBARM011A[5] | Barometric Relief | YSC072E-102E, YSC120F, YHC048E-YHC092E,YHC092F YHC102E-120E |
| BAYBCIR001A | BACnet™ Communication Interface | THC037-067 |
| BAYCCHT010B | Crankcase Heater | YSC036-048E1, 3 |
| BAYCCHT011B | Crankcase Heater | YSC036-048E4, W |
| BAYCCHT017A | Crankcase Heater | YSC060E1,3 |
| BAYCCHT018A | Crankcase Heater | YSC060E4,W |
| BAYCO2K001B[3][9] | $CO_2$ Sensor Kit, Wall Mounted | THC037-067 |
| BAYCO2K003B[3][9] | $CO_2$ Sensor Kit, Duct Mounted | THC037-067 |
| BAYCURB042A[2] | Roof Curb | YHC036E, YSC036-060E |
| BAYCURB043A[2] | Roof Curb | YHC048-072E, YSC072-120E, YHC092F |
| BAYCURB044A | Roof Curb | YHC102E-120E |
| BAYDFPS003B[3][6] | Clogged Filter Switch | THC037-067 |
| BAYDFPS014A | Clogged Filter Switch (MERV 13 Filter) | THC037-067 |
| BAYDFPS004A[3][6] | Fan Failure Switch | THC037-067 |
| BAYDMPR053A[10] | 0-50% Manual Outside Air Damper | YHC036E, YSC036-060E |
| BAYDMPR056B[10] | 0-50% Manual Outside Air Damper | YHC048-120E, YSC072-102E, YHC092F, YSC120F |
| BAYDMPR051A[3] | 0-50% Motorized Outside Air Damper | YSC036-060E_R, YHC036E_R (ReliaTel™) |
| BAYDMPR052A[7] | 0-50% Motorized Outside Air Damper | YHC036E_E, YSC036-060E_E, YHC037E_R (Electro Mechanical) |
| BAYDMPR054A[3] | 0-50% Motorized Outside Air Damper | YHC048-120E_R, YSC072E-120E_R, YHC047E_R, YHC067E_R (ReliaTel™) |
| BAYDMPR055A[7] | 0-50% Motorized Outside Air Damper | YHC048-120E_E, YSC072E-120E_E (Electro Mechanical) |
| BAYECON085A[3] | 0-100% Dry Bulb Economizer | YHC036E_R, YSC036-060E_R (ReliaTel™) |
| BAYECON086A[7] | 0-100% Dry Bulb Economizer without Barometric Relief | YHC036E_E, YSC036-060E_E (Electro Mechanical) |
| BAYECON087A[3] | 0-100% Dry Bulb Economizer | YHC048-120E_R, YSC072-120E_R (ReliaTel™) |
| BAYECON088A[7] | 0-100% Dry Bulb Economizer without Barometric Relief | YHC048-120E_E, YSC072-120E_E (Electro Mechanical) |
| BAYENTH001A | Enthalpy Control (Solid State) | THC037-067 |
| BAYENTH005A[1] | Reference Enthalpy Kit | THC037-067 |
| BAYENTH006A[1] | Comparative Enthalpy Kit | THC037-067 |
| BAYFRST003A[3][4] | High Temperature Stat | THC037-067 |
| BAYGARD037B | Condenser Coil Hail Guard | YSC036-060E, YHC036E |
| BAYGARD040A | Condenser Coil Hail Guard | YHC048-060E,YSC072E-090E |
| BAYGARD041A | Condenser Coil Hail Guard | YSC092E, YSC102E, YHC072E |
| BAYGARD070A | Condenser Coil Hail Guard | YHC102E, YHC120E |
| BAYGARD141A | Condenser Coil Hail Guard | YSC120F, YHC092F |
| BAYHAKT010C | High Altitude Kit | THC037-067 |

[1] Kits contain all necessary parts to achieve desired level of enthalpy control.
[2] Lynn Haven Manufacturing has a No-Return policy for this roof curb.
[3] For use with ReliaTel™ controlled units only.
[4] Cannot be used in conjunction with factory installed Smoke Detector option.
[5] Installs in ductwork for horizontal configuration.  For downflow configuration, it installs in the unit's horizontal return duct. See Installer's Guide for more information.
[6] BAYABRD001C is required when ordering field installed accessories Clogged Filter Switch (BAYDFPS003A), Fan Fail Switch (BAYDFPS004A),Discharge Air Sensing Kit (BAYTUBE004A or BAYTUBE005A) or Evaporator Defrost Control (Frostat) (BAYLOAM020B) Ventilation Override Kit  (BAYVNOR001B) unless the following options are factory installed: Frostat, Smoke Detector, Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing Kit. **These factory installed options include the ReliaTel™ Options Module.**
[7] Electromechanical controlled units only
[8] Activated on Power on.
[9] Field installed accessory. Requires an economizer.
[10] The manual outside air damper will ship factory supplied within the unit, but must be field installed.
[11] A=R-22, E=410A

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

# Packaged Gas/Electric
# Convertible 3-10 Tons Accessories

**Packaged Gas/Electric**

## Table PG-17-A — Accessories

| Model Number | Description | Used With [9] |
|---|---|---|
| BAYHSMT082A | 2 HP Oversized motor kit (208-230/460V) | YSC072E3, 4 |
| BAYHSMT083A | 2 HP Oversized motor kit (575V) | YSC072EW |
| BAYHSMT402A | 2 HP Oversized motor kit | YHC072E3, 4 |
| BAYHSMT086A | 3 HP Oversized motor kit (208-230/460V) | YSC090-102E3, 4 |
| BAYHSMT087A | 3 HP Oversized motor kit (575V) | YSC090-102EW |
| BAYLSDR009A | Low Static Drive Kit | YHC072E |
| BAYHSDR012A | High Static Drive Kit | YSC072E |
| BAYKSKT255B | Quick Start Kit | YSC036-060E1 |
| BAYLMSW001A [10] | Power Exhaust Limit Switch | All Y*C036-120E |
| BAYLOAM020B [1][5] | Evaporator Defrost Control (Frostat) | All Y*C036-120E, R (ReliaTel™) |
| BAYLPKT029C | LP Conversion Kit | YSC072E,H, YSC090-102,M,H, YSC120,L,M,H YHC072E,H, YHC092-102E,M,H, YHC120E,L,M,H |
| BAYLPKT050B | LP Conversion Kit | YSC036-060E,L,M,H, YSC072E,L,M, YSC090-102E,L YHC036-060E,L,M,H, YHC072E,L,M, YHC092-102E,L |
| BAYPWRX070A | Power Exhaust (208-230/3 VAC) | YSC036-060E3, YCH036-YHC060E3, YHC037E3, YHC047E3, YHC067E3 |
| BAYPWRX071A | Power Exhaust (460/3 VAC) | YSC036-060E4, YCH036-YHC060E4, YHC037E4, YHC047E4, YHC067E4 |
| BAYPWRX072A | Power Exhaust (575/3 VAC) | YSC036-060EW |
| BAYPWRX026A | Power Exhaust (208-230/3 VAC) | YSC072-102E3, YSC120F3, YHC072E3, YHC092F3, YHC102E3, YCH120E3 |
| BAYPWRX027A | Power Exhaust (460/3 VAC) | YSC072-102E4, YSC120F4, YHC072E4, YHC092F4, YHC102E4, YCH120E4 |
| BAYPWRX028A | Power Exhaust (575/3 VAC) | YSC072-102EW, YSC120FW |
| BAYQACB009A | Quick Adapt Roof Curb | YSC036-060E, YHC036E, YHC037E |
| BAYQACB010A | Quick Adapt Roof Curb | YSC036-060E, YHC036E, YHC037E |
| BAYQACB011A | Quick Adapt Roof Curb | YSC072-102E, YSC120F, YHC048-072E, YHC047E, YHC067E |
| BAYQACB012A | Quick Adapt Roof Curb | YSC072-102E, YSC120F, YHC048-072E, YHC047E, YHC067E |
| BAYQACB013A | Quick Adapt Roof Curb | YSC072-102E, YSC120F, YHC048-072E, YHC047E, YHC067E |
| BAYRTEM001A [11] | Fully Featured ReliaTel™ Economizer Logic Model | All Y*C036-120E |
| BAYSENS016A [4] | Temperature Sensor | All Y*C036-120E |
| BAYSENS250A [3][12] | $CO_2$ Duct Mounted, Sensor Only | All Y*C036-120E, R (ReliaTel™) |
| BAYSENS251A [3][12] | $CO_2$ Wall Mounted, Sensor Only | All Y*C036-120E, R (ReliaTel™) |
| BAYSERV001A [4] | Selective Resistance Service Tester | All Y*C036-120E |
| BAYSTAT023 [4] | Remote Potentiometer | All Y*C036-120E |
| BAYTUBE004A [4][2][5] | Discharge Air Sensing Kit | YSC036-060E, R, YHC036E, R |
| BAYTUBE006A [4][2][5] | Discharge Air Sensing Kit | YSC072-102E, R, YHC048-072E, R |
| BAYTUBE400A | Discharge Air Sensing Kit | YSC120E,R |
| BAYTUBE402A | Discharge Air Sensing Kit | YHC092-120E,R |
| BAYVNOR001B [4][8][5] | Ventilation Override Kit | All Y*C036-120E |

[1] For use with ReliaTel™ microprocessor controlled units only. Must be factory installed for Electromechanical controlled units.
[2] Used for true discharge air sensing in both heating and cooling. Required for supply air tempering.
[3] Lynn Haven Manufacturing has a No-Return policy for this roof curb.
[4] For use with ReliaTel™ controlled units only.
[5] BAYABRD001C is required when ordering field installed accessories Clogged Filter Switch (BAYDFPS003A), Fan Fail Switch (BAYDFPS004A),Discharge Air Sensing Kit (BAYTUBE004A or BAYTUBE005A) or Evaporator Defrost Control (Frostat) (BAYLOAM020B) Ventilation Override Kit (BAYVNOR001B) unless the following options are factory installed: Frostat, Smoke Detector, Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing Kit. **These factory installed options include the ReliaTel™ Options Module.**
[6] BAYQACB009A adapts YCD units BAYCURB021B to accept Y*C 3 -5 ton unit. BAYQACB010A adapts YCD units BAYCURB022B to accept Y*C 3-5 ton unit. BAYQACB012A adapts YCD units BAYCURB025B to accept Y*C 3-5 ton unit. BAYQACB013A adapts YCD units BAYCURB026B to accept Y*C 6-10 ton unit. BAYQACB011A adapts YCD units BAYCURB022B to accept Y*C 6-10 ton unit.
[7] Power Exhaust cannot be used with Barometric Relief. Order Economizer without Barometric Relief.
[8] Field installed accessory. Requires an economizer.
[9] E=410A
[10] When ordering a field installed power exhaust on a unit with electromechanical controls, BAYLMSW001A must be ordered.
[11] If any version of comparative or reference enthalpy is ordered, BAYRTEM001A does not need to be ordered.
[12] Order only when unit has factory installed Demand Control Ventilation option.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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**Table PG-18-A — Zone Sensors for ReliaTel™ Controlled Units**

| Model Number | Description | Used With |
|---|---|---|
| ASYSTAT106A | Single Setpoint Manual Changeover | Y*C036-120E, R |
| ASYSTAT107A | Single Setpoint | Y*C036-120E, R |
| ASYSTAT108A | Dual Setpoint Manual or Auto Changeover | Y*C036-120E, R |
| ASYSTAT109A | Dual Setpoint Changeover Sensor | Y*C036-120E, R |
| ASYSTAT111A | Remote Room Sensor | Y*C036*120E, R |
| ASYSTAT777A | Programmable Night Setback w/System Function Lights (Vertical Style) | Y*C036-120E, R |
| ASYSTAT708A | Programmable Night Setback w/System Function Lights | Y*C036-120E, R |
| ASYSTAT710A | Wall Mounted Humidity Sensor | Y*C036-120E |
| ASYSTAT711A | Duct Mounted Humidity Sensor | Y*C036-120E |
| BAYMTPL110A | Retrofit Wall Cover Plate Kit 7.25" x 6.0" | ASYSTAT666C |

**Packaged Gas/Electric**

**For additional Controls Information:**
**See ReliaTel™ and Micro Control features on PC-17 and PC-18.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

# Packaged Gas/Electric with ReliaTel™ Controls 12½-25 Tons, R-410A



**12½ - 25 Ton YHD-F — Downflow**
**12½ - 25 Ton YHH-F — Horizontal**

- Scroll compressors on all units
- **ReliaTel™** control features are listed on page PC-17
- Operating charge of R-410A
- Built-in anti-short cycle timer, time delay relay and minimum on time controls
- Low Ambient to 0°F standard
- High efficiency drum and tube heat exchanger
- Color coded and numbered wiring
- Two inch throwaway filters on both YCH and YCD to clean air and keep coil maintenance low
- Simple U-shaped airflow pattern results in very low airside energy requirement

- Quick-Access doors and single side access make servicing much faster for lower maintenance costs
- Quick-adjust idler arm pulley. Adjust belt tension, change belts, adjust airflow quickly
- High efficiency gas heat with hot surface ignition for low heating energy costs, low maintenance and high reliability
- Sloped sheet metal drain pans
- **5-year limited compressor and heat exchanger warranty (12½ -17½ tons)**
- **1-year limited compressor and heat exchanger warranty (20 tons)**

**Table PG-19-A — High Efficiency ReliaTel™ Units (R-410A)**

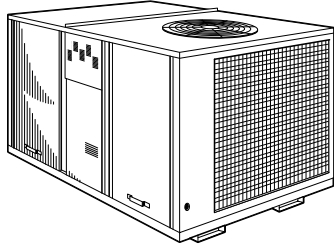| Tons | Unit Model No. | Power Supply Volts/Phase/Hz | Performance EER③ | Cooling Capacity (Btuh) | Heating Output Capacity (Btuh) | Dimensions (in.) H x W x L | Shipping Weight (lbs.) | MCA** | Max Fuse Size or Max Circuit Breaker** | Downflow① Roofcurb |
|---|---|---|---|---|---|---|---|---|---|---|
| **YH\* - Three Phase Low Heat** | | | | | | | | | | |
| 12½ | YH*150F3RLA0000 | 208-230/3/60 | 12.1 | 140,000 | 122,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2550 | 65 | 80 | BAYCURB027B |
| 15 | YH*180F3RLA0000 | 208-230/3/60 | 12.0 | 172,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2500 | 72 | 90 | BAYCURB027B |
| 17½ | YH*210F3RLA0000 | 208-230/3/60 | 11.8 | 198,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2578 | 88 | 110 | BAYCURB027B |
| 20 | YH*240F3RLA0000 | 208-230/3/60 | 11.0 | 242,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2581 | 104 | 125 | BAYCURB027B |
| 25 | YH*300F3RLA0000 | 208-230/3/60 | 10.6 | 272,000② | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2544 | 116 | 150 | BAYCURB027B |
| 12½ | YH*150F4RLA0000 | 460/3/60 | 12.1 | 140,000 | 122,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2550 | 32 | 40 | BAYCURB027B |
| 15 | YH*180F4RLA0000 | 460/3/60 | 12.0 | 172,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2500 | 36 | 45 | BAYCURB027B |
| 17½ | YH*210F4RLA0000 | 460/3/60 | 11.8 | 198,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2578 | 42 | 50 | BAYCURB027B |
| 20 | YH*240F4RLA0000 | 460/3/60 | 11.0 | 242,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2581 | 50 | 60 | BAYCURB027B |
| 25 | YH*300F4RLA0000 | 460/3/60 | 10.6 | 272,000② | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2544 | 56 | 70 | BAYCURB027B |
| 12½ | YH*150FWRLA0000 | 575/3/60 | 12.1 | 140,000 | 122,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2550 | 25 | 30 | BAYCURB027B |
| 15 | YH*180FWRLA0000 | 575/3/60 | 12.0 | 172,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2500 | 29 | 40 | BAYCURB027B |
| 17½ | YH*210FWRLA0000 | 575/3/60 | 11.8 | 198,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2578 | 36 | 45 | BAYCURB027B |
| 20 | YH*240FWRLA0000 | 575/3/60 | 11.0 | 242,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2581 | 42 | 50 | BAYCURB027B |
| 25 | YH*300FWRLA0000 | 575/3/60 | 10.6 | 272,000② | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2544 | 47 | 60 | BAYCURB027B |
| **YH\* - Three Phase High Heat** | | | | | | | | | | |
| 12½ | YH*150F3RHA0000 | 208-230/3/60 | 12.1 | 140,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2550 | 65 | 80 | BAYCURB027B |
| 15 | YH*180F3RHA0000 | 208-230/3/60 | 12.0 | 172,000 | 284,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2500 | 72 | 90 | BAYCURB027B |
| 17½ | YH*210F3RHA0000 | 208-230/3/60 | 11.8 | 198,000 | 284,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2578 | 88 | 110 | BAYCURB027B |
| 20 | YH*240F3RHA0000 | 208-230/3/60 | 11.0 | 242,000 | 324,000 | 64¹/₈ x 85⁵/₁₆x 122⁵/₁₆ | 2581 | 104 | 125 | BAYCURB027B |
| 25 | YH*300F3RHA0000 | 208-230/3/60 | 10.6 | 272,000 | 324,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2544 | 116 | 150 | BAYCURB027B |
| 12½ | YH*150F4RHA0000 | 460/3/60 | 12.1 | 140,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2550 | 32 | 40 | BAYCURB027B |
| 15 | YH*180F4RHA0000 | 460/3/60 | 12.0 | 172,000 | 284,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2500 | 36 | 45 | BAYCURB027B |
| 17½ | YH*210F4RHA0000 | 460/3/60 | 11.8 | 198,000 | 284,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2578 | 42 | 50 | BAYCURB027B |
| 20 | YH*240F4RHA0000 | 460/3/60 | 11.0 | 242,000 | 324,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2581 | 50 | 60 | BAYCURB027B |
| 25 | YH*300F4RHA0000 | 460/3/60 | 10.6 | 272,000 | 324,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2544 | 56 | 70 | BAYCURB027B |
| 12½ | YH*150FWRHA0000 | 575/3/60 | 12.1 | 140,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2550 | 25 | 30 | BAYCURB027B |
| 15 | YH*180FWRHA0000 | 575/3/60 | 12.0 | 172,000 | 284,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2500 | 29 | 40 | BAYCURB027B |
| 17½ | YH*210FWRHA0000 | 575/3/60 | 11.8 | 198,000 | 284,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2578 | 36 | 45 | BAYCURB027B |
| 20 | YH*240FWRHA0000 | 575/3/60 | 11.0 | 242,000 | 324,000 | 64¹/₈x 85⁵/₁₆ x 122⁵/₁₆ | 2581 | 42 | 50 | BAYCURB027B |
| 25 | YH*300FWRHA0000 | 575/3/60 | 10.6 | 272,000 | 324,000 | 64¹/₈x 85⁵/₁₆ x 122⁵/₁₆ | 2544 | 47 | 60 | BAYCURB027B |

① For Downflow units only.
② 278,000 in the Horizontal airflow configuration.
③ Downflow/Horizontal
\* Digit 3 D=Downflow or H=Horizontal.
\*\* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

PG-19

Effective 1/1/13
14-1011-29

# American Standard®
### HEATING & AIR CONDITIONING

# Packaged Gas/Electric with ReliaTel™ Controls 12½-25 Tons, R-410A

**12½ - 25 Ton YHD-F — Downflow**
**12½ - 25 Ton YHH-F — Horizontal**

- Scroll compressors on all units
- **ReliaTel™** control features are listed on page PC-1677
- Operating charge of R-410A
- Built-in anti-short cycle timer, time delay relay and minimum on time controls
- Low Ambient to 0°F standard
- High efficiency drum and tube heat exchanger
- Color coded and numbered wiring
- Two inch throwaway filters on both YCH and YCD to clean air and keep coil maintenance low
- Simple U-shaped airflow pattern results in very low airside energy requirement

- Quick-Access doors and single side access make servicing much faster for lower maintenance costs
- Quick-adjust idler arm pulley. Adjust belt tension, change belts, adjust airflow quickly
- High efficiency gas heat with hot surface ignition for low heating energy costs, low maintenance and high reliability
- Sloped sheet metal drain pans
- **5-year limited compressor and heat exchanger warranty (12½ -17½ tons)**
- **1-year limited compressor and heat exchanger warranty (20 tons)**

**Table PG-20-A —High Efficiency ReliaTel™ Units (R-410A) - Multi Speed Indoor Fan**

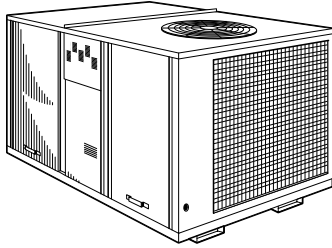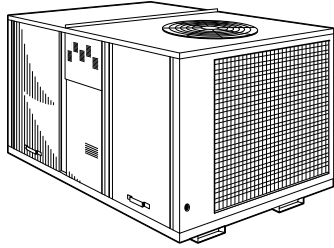| Tons | Unit Model No. | Power Supply Volts/Phase/Hz | Performance EER③ | Cooling Capacity (Btuh) | Heating Output Capacity (Btuh) | Dimensions (in.) H x W x L | Shipping Weight (lbs.) | MCA** | Max Fuse Size or Max Circuit Breaker** | Downflow① Roofcurb |
|---|---|---|---|---|---|---|---|---|---|---|
| **YH* - Three Phase Low Heat** | | | | | | | | | | |
| 12¹/₂ | YH*150F3RLA1B8B | 208-230/3/60 | 12.1 | 140,000 | 122,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2575 | 65 | 80 | BAYCURB027B |
| 15 | YH*180F3RLA1B8B | 208-230/3/60 | 12.0 | 172,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2525 | 72 | 90 | BAYCURB027B |
| 17¹/₂ | YH*210F3RLA1B8B | 208-230/3/60 | 11.8 | 198,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2603 | 88 | 110 | BAYCURB027B |
| 20 | YH*240F3RLA1B8B | 208-230/3/60 | 11.0 | 242,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2606 | 104 | 125 | BAYCURB027B |
| 25 | YH*300F3RLA1B8B | 208-230/3/60 | 10.6 | 272,000② | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2609 | 116 | 150 | BAYCURB027B |
| 12¹/₂ | YH*150F4RLA1B8B | 460/3/60 | 12.1 | 140,000 | 122,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2575 | 32 | 40 | BAYCURB027B |
| 15 | YH*180F4RLA1B8B | 460/3/60 | 12.0 | 172,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2525 | 36 | 45 | BAYCURB027B |
| 17¹/₂ | YH*210F4RLA1B8B | 460/3/60 | 11.8 | 198,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2603 | 42 | 50 | BAYCURB027B |
| 20 | YH*240F4RLA1B8B | 460/3/60 | 11.0 | 242,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2606 | 50 | 60 | BAYCURB027B |
| 25 | YH*300F4RLA1B8B | 460/3/60 | 10.6 | 272,000② | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2589 | 56 | 70 | BAYCURB027B |
| 12¹/₂ | YH*150FWRLA1B8B | 575/3/60 | 12.1 | 140,000 | 122,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2575 | 25 | 30 | BAYCURB027B |
| 15 | YH*180FWRLA1B8B | 575/3/60 | 12.0 | 172,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2525 | 29 | 40 | BAYCURB027B |
| 17¹/₂ | YH*210FWRLA1B8B | 575/3/60 | 11.8 | 198,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2603 | 36 | 45 | BAYCURB027B |
| 20 | YH*240FWRLA1B8B | 575/3/60 | 11.0 | 242,000 | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2606 | 42 | 50 | BAYCURB027B |
| 25 | YH*300FWRLA1B8B | 575/3/60 | 10.6 | 272,000② | 203,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2589 | 47 | 60 | BAYCURB027B |
| **YH* - Three Phase High Heat** | | | | | | | | | | |
| 12¹/₂ | YH*150F3RHA1B8B | 208-230/3/60 | 12.1 | 140,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2575 | 65 | 80 | BAYCURB027B |
| 15 | YH*180F3RHA1B8B | 208-230/3/60 | 12.0 | 172,000 | 284,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2525 | 72 | 90 | BAYCURB027B |
| 17¹/₂ | YH*210F3RHA1B8B | 208-230/3/60 | 11.8 | 198,000 | 284,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2603 | 88 | 110 | BAYCURB027B |
| 20 | YH*240F3RHA1B8B | 208-230/3/60 | 11.0 | 242,000 | 324,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2606 | 104 | 125 | BAYCURB027B |
| 25 | YH*300F3RHA1B8B | 208-230/3/60 | 10.6 | 272,000 | 324,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2609 | 116 | 150 | BAYCURB027B |
| 12¹/₂ | YH*150F4RHA1B8B | 460/3/60 | 12.1 | 140,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2575 | 32 | 40 | BAYCURB027B |
| 15 | YH*180F4RHA1B8B | 460/3/60 | 12.0 | 172,000 | 284,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2525 | 36 | 45 | BAYCURB027B |
| 17¹/₂ | YH*210F4RHA1B8B | 460/3/60 | 11.8 | 198,000 | 284,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2603 | 42 | 50 | BAYCURB027B |
| 20 | YH*240F4RHA1B8B | 460/3/60 | 11.0 | 242,000 | 324,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2606 | 50 | 60 | BAYCURB027B |
| 25 | YH*300F4RHA1B8B | 460/3/60 | 10.6 | 272,000 | 324,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2589 | 56 | 70 | BAYCURB027B |
| 12¹/₂ | YH*150FWRHA1B8B | 575/3/60 | 12.1 | 140,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2575 | 25 | 30 | BAYCURB027B |
| 15 | YH*180FWRHA1B8B | 575/3/60 | 12.0 | 172,000 | 284,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2525 | 29 | 40 | BAYCURB027B |
| 17¹/₂ | YH*210FWRHA1B8B | 575/3/60 | 11.8 | 198,000 | 284,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2603 | 36 | 45 | BAYCURB027B |
| 20 | YH*240FWRHA1B8B | 575/3/60 | 11.0 | 242,000 | 324,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2606 | 42 | 50 | BAYCURB027B |
| 25 | YH*300FWRHA1B8B | 575/3/60 | 10.6 | 272,000 | 324,000 | 64¹/₈ x 85⁵/₁₆ x 122⁵/₁₆ | 2589 | 47 | 60 | BAYCURB027B |

① For Downflow units only.
② 278,000 in the Horizontal airflow configuration.
③ Downflow/Horizontal
\* Digit 3 D=Downflow or H=Horizontal.
\*\* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

**Packaged Gas/Electric**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

# Packaged Gas/Electric with ReliaTel™ Controls 12½-25 Tons, R-410A



**12½ - 25 Ton YSD-F — Downflow**
**12½ - 25 Ton YSH-F — Horizontal**

- Scroll compressors on all units
- **ReliaTel™** control features are listed on page PC-17
- Operating charge of R-410A
- Built-in anti-short cycle timer, time delay relay and minimum on time controls
- Low Ambient to 0°F standard
- High efficiency drum and tube heat exchanger
- Color coded and numbered wiring
- Two inch throwaway filters on both YCH and YCD to clean air and keep coil maintenance low
- Simple U-shaped airflow pattern results in very low airside energy requirement

- Quick-Access doors and single side access make servicing much faster for lower maintenance costs
- Quick-adjust idler arm pulley. Adjust belt tension, change belts, adjust airflow quickly
- High efficiency gas heat with hot surface ignition for low heating energy costs, low maintenance and high reliability
- Sloped sheet metal drain pans
- **5-year limited compressor and heat exchanger warranty (12½ -17½ tons)**
- **1-year limited compressor and heat exchanger warranty (20 tons)**

**Table PG-21-A — Standard Efficiency ReliaTel™ Units (R-410A)**

| Tons | Unit Model No. | Power Supply Volts/Phase/Hz | Performance EER | Cooling Capacity (Btuh) | Heating Output Capacity (Btuh) | Dimensions (in.) H x W x L | Shipping Weight (lbs.) | MCA** | Max Fuse Size or Max Circuit Breaker** | Downflow① Roofcurb |
|---|---|---|---|---|---|---|---|---|---|---|
| **YS* - Three Phase Low Heat** | | | | | | | | | | |
| 12¹/₂ | YS*150F3RLA0000 | 208-230/3/60 | 11.0 | 140,000 | 122,000 | 50¹/₈ x 71⁵/₈ x 107⁵/₁₆ | 1781 | 68 | 80 | BAYCURB026B |
| 15 | YS*180F3RLA0000 | 208-230/3/60 | 11.0 | 176,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2281 | 75 | 100 | BAYCURB027B |
| 17¹/₂ | YS*210F3RLA0000 | 208-230/3/60 | 11.0 | 193,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2292 | 93 | 125 | BAYCURB027B |
| 20 | YS*240F3RLA0000 | 208-230/3/60 | 10.0 | 240,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2353 | 108 | 125 | BAYCURB027B |
| 25 | YS*300F3RLA0000 | 208-230/3/60 | 10.0 | 272,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2337 | 124 | 150 | BAYCURB027B |
| 12¹/₂ | YS*150F4RLA0000 | 460/3/60 | 11.0 | 140,000 | 122,000 | 50¹/₈ x 71⁵/₈ x 107⁵/₁₆ | 1781 | 32 | 40 | BAYCURB026B |
| 15 | YS*180F4RLA0000 | 460/3/60 | 11.0 | 176,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2281 | 28 | 50 | BAYCURB027B |
| 17¹/₂ | YS*210F4RLA0000 | 460/3/60 | 11.0 | 193,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2292 | 44 | 60 | BAYCURB027B |
| 20 | YS*240F4RLA0000 | 460/3/60 | 10.0 | 240,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2353 | 52 | 70 | BAYCURB027B |
| 25 | YS*300F4RLA0000 | 460/3/60 | 10.0 | 272,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2337 | 59 | 70 | BAYCURB027B |
| 12¹/₂ | YS*150FWRLA0000 | 575/3/60 | 11.0 | 140,000 | 122,000 | 50¹/₈ x 71⁵/₈ x 107⁵/₁₆ | 1781 | 24 | 30 | BAYCURB026B |
| 15 | YS*180FWRLA0000 | 575/3/60 | 11.0 | 176,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2281 | 31 | 40 | BAYCURB027B |
| 17¹/₂ | YS*210FWRLA0000 | 575/3/60 | 11.0 | 193,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2292 | 35 | 50 | BAYCURB027B |
| 20 | YS*240FWRLA0000 | 575/3/60 | 10.0 | 240,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2353 | 44 | 60 | BAYCURB027B |
| 25 | YS*300FWRLA0000 | 575/3/60 | 10.0 | 272,000 | 203,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2337 | 48 | 60 | BAYCURB027B |
| **YS* - Three Phase High Heat** | | | | | | | | | | |
| 12¹/₂ | YS*150F3RHA0000 | 208-230/3/60 | 11.0 | 140,000 | 203,000 | 50¹/₈ x 71⁵/₈ x 107⁵/₁₆ | 1781 | 68 | 80 | BAYCURB026B |
| 15 | YS*180F3RHA0000 | 208-230/3/60 | 11.0 | 176,000 | 284,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2281 | 75 | 100 | BAYCURB027B |
| 17¹/₂ | YS*210F3RHA0000 | 208-230/3/60 | 11.0 | 193,000 | 284,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2292 | 93 | 125 | BAYCURB027B |
| 20 | YS*240F3RHA0000 | 208-230/3/60 | 10.0 | 240,000 | 324,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2353 | 108 | 125 | BAYCURB027B |
| 25 | YS*300F3RHA0000 | 208-230/3/60 | 10.0 | 272,000 | 324,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2337 | 124 | 150 | BAYCURB027B |
| 12¹/₂ | YS*150F4RHA0000 | 460/3/60 | 11.0 | 140,000 | 203,000 | 50¹/₈ x 71⁵/₈ x 107⁵/₁₆ | 1781 | 32 | 40 | BAYCURB026B |
| 15 | YS*180F4RHA0000 | 460/3/60 | 11.0 | 176,000 | 284,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2281 | 28 | 50 | BAYCURB027B |
| 17¹/₂ | YS*210F4RHA0000 | 460/3/60 | 11.0 | 193,000 | 284,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2292 | 44 | 60 | BAYCURB027B |
| 20 | YS*240F4RHA0000 | 460/3/60 | 10.0 | 240,000 | 324,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2353 | 52 | 70 | BAYCURB027B |
| 25 | YS*300F4RHA0000 | 460/3/60 | 10.0 | 272,000 | 324,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2337 | 59 | 70 | BAYCURB027B |
| 12¹/₂ | YS*150FWRHA0000 | 575/3/60 | 11.0 | 140,000 | 203,000 | 50¹/₈ x 71⁵/₈ x 107⁵/₁₆ | 1781 | 24 | 30 | BAYCURB026B |
| 15 | YS*180FWRHA0000 | 575/3/60 | 11.0 | 176,000 | 284,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2281 | 31 | 40 | BAYCURB027B |
| 17¹/₂ | YS*210FWRHA0000 | 575/3/60 | 11.0 | 193,000 | 284,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2292 | 35 | 50 | BAYCURB027B |
| 20 | YS*240FWRHA0000 | 575/3/60 | 10.0 | 240,000 | 324,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2353 | 44 | 60 | BAYCURB027B |
| 25 | YS*300FWRHA0000 | 575/3/60 | 10.0 | 272,000 | 324,000 | 54 x 85⁵/₁₆ x 122⁵/₁₆ | 2337 | 48 | 60 | BAYCURB027B |

① For Downflow units only.
* Digit 3 D=Downflow or H=Horizontal.
** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

**Packaged Gas/Electric**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

# Packaged Gas/Electric with ReliaTel™ Controls 12½-25 Tons, R-410A



**12½ - 25 Ton YSD-F — Downflow**
**12½ - 25 Ton YSH-F — Horizontal**

- Scroll compressors on all units
- **ReliaTel™** control features are listed on page PC-1677
- Operating charge of R-410A
- Built-in anti-short cycle timer, time delay relay and minimum on time controls
- Low Ambient to 0°F standard
- High efficiency drum and tube heat exchanger
- Color coded and numbered wiring
- Two inch throwaway filters on both YCH and YCD to clean air and keep coil maintenance low
- Simple U-shaped airflow pattern results in very low airside energy requirement

- Quick-Access doors and single side access make servicing much faster for lower maintenance costs
- Quick-adjust idler arm pulley. Adjust belt tension, change belts, adjust airflow quickly
- High efficiency gas heat with hot surface ignition for low heating energy costs, low maintenance and high reliability
- Sloped sheet metal drain pans
- **5-year limited compressor and heat exchanger warranty (12½ -17½ tons)**
- **1-year limited compressor and heat exchanger warranty (20 tons)**

**Table PG-22-A — Standard Efficiency ReliaTel™ Units (R-410A) - Multi Speed Indoor Fan**

| Tons | Unit Model No. | Power Supply Volts/Phase/Hz | Performance EER | Cooling Capacity (Btuh) | Heating Output Capacity (Btuh) | Dimensions (in.) H x W x L | Shipping Weight (lbs.) | MCA** | Max Fuse Size or Max Circuit Breaker** | Downflow① Roofcurb |
|---|---|---|---|---|---|---|---|---|---|---|
| **YS\* - Three Phase Low Heat** | | | | | | | | | | |
| 12½ | YS*150F3RLA1B8B | 208-230/3/60 | 11.0 | 140,000 | 122,000 | 50⅛ x 71⅝ x 107⁵⁄₁₆ | 1806 | 64 | 80 | BAYCURB026B |
| 15 | YS*180F3RLA1B8B | 208-230/3/60 | 11.0 | 176,000 | 203,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2306 | 75 | 100 | BAYCURB027B |
| 17½ | YS*210F3RLA1B8B | 208-230/3/60 | 11.0 | 193,000 | 203,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2317 | 93 | 125 | BAYCURB027B |
| 20 | YS*240F3RLA1B8B | 208-230/3/60 | 10.0 | 240,000 | 203,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2378 | 108 | 125 | BAYCURB027B |
| 25 | YS*300F3RLA1B8B | 208-230/3/60 | 10.0 | 272,000 | 203,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2402 | 124 | 150 | BAYCURB027B |
| 12½ | YS*150F4RLA1B8B | 460/3/60 | 11.0 | 140,000 | 122,000 | 50⅛ x 71⅝ x 107⁵⁄₁₆ | 1806 | 31 | 40 | BAYCURB026B |
| 15 | YS*180F4RLA1B8B | 460/3/60 | 11.0 | 176,000 | 203,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2306 | 28 | 50 | BAYCURB027B |
| 17½ | YS*210F4RLA1B8B | 460/3/60 | 11.0 | 193,000 | 203,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2317 | 44 | 60 | BAYCURB027B |
| 20 | YS*240F4RLA1B8B | 460/3/60 | 10.0 | 240,000 | 203,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2378 | 52 | 70 | BAYCURB027B |
| 25 | YS*300F4RLA1B8B | 460/3/60 | 10.0 | 272,000 | 203,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2382 | 59 | 70 | BAYCURB027B |
| 12½ | YS*150FWRLA1B8B | 575/3/60 | 11.0 | 140,000 | 122,000 | 50⅛ x 71⅝ x 107⁵⁄₁₆ | 1806 | 23 | 30 | BAYCURB026B |
| 15 | YS*180FWRLA1B8B | 575/3/60 | 11.0 | 176,000 | 203,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2306 | 31 | 40 | BAYCURB027B |
| 17½ | YS*210FWRLA1B8B | 575/3/60 | 11.0 | 193,000 | 203,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2317 | 35 | 50 | BAYCURB027B |
| 20 | YS*240FWRLA1B8B | 575/3/60 | 10.0 | 240,000 | 203,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2378 | 44 | 60 | BAYCURB027B |
| 25 | YS*300FWRLA1B8B | 575/3/60 | 10.0 | 272,000 | 203,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2382 | 48 | 60 | BAYCURB027B |
| **YS\* - Three Phase High Heat** | | | | | | | | | | |
| 12½ | YS*150F3RHA1B8B | 208-230/3/60 | 11.0 | 140,000 | 203,000 | 50⅛ x 71⅝ x 107⁵⁄₁₆ | 1806 | 64 | 80 | BAYCURB026B |
| 15 | YS*180F3RHA1B8B | 208-230/3/60 | 11.0 | 176,000 | 284,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2306 | 75 | 100 | BAYCURB027B |
| 17½ | YS*210F3RHA1B8B | 208-230/3/60 | 11.0 | 193,000 | 284,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2317 | 93 | 125 | BAYCURB027B |
| 20 | YS*240F3RHA1B8B | 208-230/3/60 | 10.0 | 240,000 | 324,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2378 | 108 | 125 | BAYCURB027B |
| 25 | YS*300F3RHA1B8B | 208-230/3/60 | 10.0 | 272,000 | 324,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2402 | 124 | 150 | BAYCURB027B |
| 12½ | YS*150F4RHA1B8B | 460/3/60 | 11.0 | 140,000 | 203,000 | 50⅛ x 71⅝ x 107⁵⁄₁₆ | 1806 | 31 | 40 | BAYCURB026B |
| 15 | YS*180F4RHA1B8B | 460/3/60 | 11.0 | 176,000 | 284,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2306 | 28 | 50 | BAYCURB027B |
| 17½ | YS*210F4RHA1B8B | 460/3/60 | 11.0 | 193,000 | 284,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2317 | 44 | 60 | BAYCURB027B |
| 20 | YS*240F4RHA1B8B | 460/3/60 | 10.0 | 240,000 | 324,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2378 | 52 | 70 | BAYCURB027B |
| 25 | YS*300F4RHA1B8B | 460/3/60 | 10.0 | 272,000 | 324,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2382 | 59 | 70 | BAYCURB027B |
| 12½ | YS*150FWRHA1B8B | 575/3/60 | 11.0 | 140,000 | 203,000 | 50⅛ x 71⅝ x 107⁵⁄₁₆ | 1806 | 23 | 30 | BAYCURB026B |
| 15 | YS*180FWRHA1B8B | 575/3/60 | 11.0 | 176,000 | 284,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2306 | 31 | 40 | BAYCURB027B |
| 17½ | YS*210FWRHA1B8B | 575/3/60 | 11.0 | 193,000 | 284,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2317 | 35 | 50 | BAYCURB027B |
| 20 | YS*240FWRHA1B8B | 575/3/60 | 10.0 | 240,000 | 324,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2378 | 44 | 60 | BAYCURB027B |
| 25 | YS*300FWRHA1B8B | 575/3/60 | 10.0 | 272,000 | 324,000 | 54 x 85⁵⁄₁₆ x 122⁵⁄₁₆ | 2382 | 48 | 60 | BAYCURB027B |

① For Downflow units only.
\* Digit 3 D=Downflow or H=Horizontal.
\*\* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Packaged Gas/Electric

| Digit | Description | Order Number |
|---|---|---|
| 1 | **Unit Type** | |
| | Packaged Cooling, Electric Heat | T |
| | Packaged Gas/Electric | Y |
| 2 | **Efficiency** | |
| | Standard Efficiency | S |
| | High Efficiency | H |
| 3 | **Airflow Configuration** | |
| | Downflow | D |
| | Horizontal | H |
| 4-6 | **Nominal Gross Cooling Capacity (MBh)** | |
| | 12½ Tons | 150 |
| | 15 Tons | 180 |
| | 17½ Tons | 210 |
| | 20 Tons | 240 |
| | 25 Tons | 300 |
| 7 | **Major Design Sequence** | |
| | Microchannel Type Condenser Coils | F |
| 8 | **Voltage Selection** | |
| | 208-230/60/3 | 3 |
| | 460/60/3 | 4 |
| | 575/60/3 | W |
| | 380/60/3 | K |
| 9 | **Unit Controls** | |
| | ReliaTel™ | R |
| 10 | **Heating Capacity** | |
| | No Heat[2] | 0 |
| | 18 kW Electric Heat[2] | G |
| | 27 kW Electric Heat[2] | K |
| | 36 kW Electric Heat[2] | N |
| | 54 kW Electric Heat[2] | P |
| | 72 kW Electric Heat[2] | R |
| | Gas Heat - High[1] | H |
| | Gas Heat - Low[1] | L |
| | Gas Heat - SS Ht Ex - Modulating[1] | V |
| | Gas Heat - SS Ht Ex - Low[1] | X |
| | Gas Heat - SS Ht Ex - High[1] | Z |
| 11 | **Minor Design Sequence** | |
| 12-13 | **Service Sequence** | |
| 14 | **Fresh Air Selection** | |
| | No Fresh Air | 0 |
| | Econ Dry Bulb w/ Barometric Relief | D |
| | Econ Reference Enthalpy w/Barometric Relief | F |
| | Econ Comparative Enthalpy w/Barometric Relief | H |
| 15 | **Supply Fan/Drive Type/Motor** | |
| | Standard Motor | 0 |
| | Oversized Motor | 1 |
| | High Efficiency Motor | 3 |
| | Single Zone Variable Air Volume Standard Motor | 6 |
| | Multi-Speed Standard Motor | 7 |
| | Single Zone Variable Air Volume Oversized Motor | 8 |
| | Multi-Speed Oversized Motor | 9 |
| | Single Zone Variable Air Volume Standard Motor w/Shaft Ground Ring | A |
| | Multi-Speed Standard Motor w/Shaft Ground Ring | B |
| | Single Zone Variable Air Volume Oversized Motor w/Shaft Ground Ring | C |
| | Multi-Speed Oversized Motor w/Shaft Ground Ring | D |
| 16 | **Hinged Service Access / Filters** | |
| | Standard Panels/Standard Filters | 0 |
| | Hinged Access/Standard Filters | A |
| | Standard Panels/MERV 8 Filters | B |
| | Hinged Access/MERV 8 Filters | C |
| | Standard Panels/MERV 13 Filters | D |
| | Hinged Access/MERV 13 Filters | E |
| 17 | **Condenser Coil Protection** | |
| | Standard Coil | 0 |
| | Standard Coil With Hail Guard | 1 |
| | CompleteCoat™ Condenser Coil | 4 |
| | CompleteCoat™ Condenser Coil with Hail Guard | 5 |
| 18 | **Through The Base Provisions.** | |
| | No Through The Base Provisions[3] | 0 |
| | Through The Base Electric[3] | A |
| | Through The Base Gas[1] | B |
| | Through The Base Electric/Gas[1] | C |
| | Through The Base Access[1] | D |

| Digit | Description | Order Number |
|---|---|---|
| 19 | **Disconnect Switch/Circuit Breaker** | |
| | No Disconnect/circuit break | 0 |
| | Unit Mounted Non-Fused Disconnect Switch | 1 |
| | Unit Mounted Circuit Breaker | 2 |
| 20 | **Convenience Outlet Option** | |
| | Without Convenience Outlet | 0 |
| | Unpowered Convenience Outlet | A |
| | Powered Convenience Outlet | B |
| 21 | **Communications Options** | |
| | Without Communications Options | 0 |
| | Novar 2024 Controls Interface[4] | 3 |
| | Novar 3051 Controls Interface[4] | 4 |
| | Novar 3051 Communications Interface with Demand Control Ventilation[4] | 5 |
| | Building Automation Control Network Communications Interface | 6 |
| 22 | **Refrigeration System Option** | |
| | Standard refrigeration system | 0 |
| | Thermal Expansion Valve (TXV) | A |
| | Dehumidification (Hot Gas Reheat) | B |
| 23 | **Refrigeration Controls** | |
| | Without Refrigeration Controls | 0 |
| | Frostat | 1 |
| 24 | **Smoke Detector** | |
| | Without Smoke Detector | 0 |
| | Return Air Smoke Detector | A |
| | Supply Air Smoke Detector | B |
| | Return/Supply Air Smoke Detector | C |
| | Plenum Smoke Detector | D |
| 25 | **System Monitoring Controls** | |
| | No Monitoring Controls | 0 |
| | Clogged Filter Switch | 1 |
| | Fan Failure Switch | 2 |
| | Discharge Air Sensing | 3 |
| | Clogged Filter Switch and Fan Failure switch | 4 |
| | Clogged Filter Switch and Discharge Air Sensing | 5 |
| | Fan Failure Switch and Discharge Air Sensing | 6 |
| | Clogged Filter Switch, Fan Failure Switch and Discharge Air Sensing | 7 |
| | NOVAR Return Air Sensor (Novar 2024)[4] | 8 |
| | NOVAR Zone Temp Sensor(Novar 3051)[4] | 9 |
| | Condensate Drain Pan Overflow Switch | A |
| | Clogged Filter Switch and Condensate Drain Pan Overflow Switch | B |
| | Fan Failure Switch and Condensate Drain Pan Overflow Switch | C |
| | Discharge Air Sensing and Condensate Drain Pan Overflow Switch | D |
| | Clogged Filter Switch, Fan Failure Switch and Condensate Drain Pan Overflow Switch | E |
| | Clogged Filter Switch, Discharge Air Sensing Tube and Condensate Drain Pan Overflow Switch | F |
| | Fan Failure Switch, Discharge Air Sensing Tube and Condensate Drain Pan Overflow Switch | G |
| | Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing and Condensate Drain Pan Overflow Switch | H |
| 26 | **System Monitoring Controls** | |
| | No Monitoring Controls | 0 |
| | Demand Control Ventilation ($CO_2$)[5] | A |
| 27 | **Unit Hardware Enhancements** | |
| | No Enhancements | 0 |
| | Stainless Steel Drain Pan | 1 |

**Note:** *Most Factory Installed Options available for Downflow Air Discharge units only. Please verify with ordering system for availability.*

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[1] *Applicable to Digit 1 Y models only.*
[2] *Applicable to Digit 1 T models only.*
[3] *Applicable to Digit 1, T or Y models.*

[6] Novar is not available with SZ VAV products.
[7] Demand Control Ventilation Option includes wiring only. The $CO_2$ sensor is a field-installed only option.

**Packaged Gas/Electric**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

PG-23

Effective 1/1/13
14-1011-29

**Table PG-24-A — Field Installed Accessories — For complete list of of All Factory Installed Options refer to FIOPS section of this book.**

| Model Number | Description | Used With |
|---|---|---|
| BAYABRD002B⑧ | ReliaTel™ Options Module | All Voyagers |
| BAYBCIR001A | Bacnet™ Communication Interface | ReliaTel™ Controller (BCI-R) |
| BAYCO2K002B | $CO_2$ Sensor Wall Mounted | All Voyagers |
| BAYCO2K004B | $CO_2$ Sensor Duct Mounted | All Voyagers |
| BAYCURB026B⑤⑥ | Downflow Only Roof Curb | YSD150F |
| BAYCURB027B⑤⑥ | Downflow Only Roof Curb | YHD150-YHD300F, YSD180-YSD300F |
| BAYDFPS005A⑦⑧ | Clogged Filter Switch (MERV 7) | All Voyagers |
| BAYDFPS006A⑦⑧ | Fan Failure Switch | All Voyagers |
| BAYDFPS031A | Clogged Filter Switch (MERV 13) | All Voyagers |
| BAYDMPR029C | 0-25% Manual Outside Air Damper | All Voyagers |
| BAYDMPR057A | 0-50% Motorized Outside Air Damper | YSD150F |
| BAYDMPR058A | 0-50% Motorized Outside Air Damper | YHD150-300F, YSD150-300F |
| BAYECON089A⑧ | Downflow Economizer with Barometric Relief | YSD150F |
| BAYECON090A⑧ | Downflow Economizer with Barometric Relief | YHD150-300F, YSD150-300F |
| BAYECON091A | Horizontal Economizer | YSH150F |
| BAYECON092A | Horizontal Economizer | YHH150-300F, YSH180-300F |
| BAYENTH007A①② | Reference Enthalpy Kit | All BAYECON089A-092A |
| BAYENTH008A①③ | Comparative Enthalpy Kit | All BAYECON089A-092A |
| BAYFRST003A | High Temperature Stat | All Voyagers |
| BAYGARD144A⑧ | Tool-less Hail Guard | YS*150F |
| BAYGARD145A⑧ | Tool-less Hail Guard | YH*150F, YS*180F-300F |
| BAYGARD150A⑧ | Tool-less Hail Guard | YH*210F-300F,YH*180F |
| BAYHSDR005B④ | High Static Drive | YS*150, 180F, YH*150F, 180F |
| BAYHSDR010A | High Static Drive | YH*210F, 240F, YS*300F |
| BAYHSDR011A | High Static Drive | YS*210F, 240F, YH*300F |

① Kit contains all necessary parts to achieve desired level of Enthalpy Control.
② Reference Enthalpy senses outside temperature/humidity.
③ Comparative Enthalpy senses outside temperature/humidity and inside return/mixed air temperature/humidity.
④ High static drive and oversized motors are mutually exclusive, Do Not Combine.
⑤ See Accessory IOM for operational characteristics.
⑥ Clarksville Manufacturing has a no-return policy for this roof curb.
⑦ BAYABRD002 is required when ordering BAYDFPS005A or 006A, BAYTUBE008A or 009A and BAYLOAM023A or BAYVNOR002B.
⑧ Field or factory installed option.
\* Either horizontal or downflow models

**For additional Controls Information:**
**See ReliaTel™ and Micro Control features on PC-17 and PC-18.**

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

PG-24

Effective 1/1/13
14-1011-29

**Table PG-25-A — Field Installed Accessories — For complete list of of All Factory Installed Options refer to FIOPS section of this book.**

| Model Number | Description | Used With |
|---|---|---|
| BAYHSMT039B①④ | 5HP Oversized Motor Kit (208-230/460V) | YS*150F |
| BAYHSMT040B④ | 5HP Oversized Motor Kit (575V) | YS*150F |
| BAYHSMT055B①④ | 5HP Oversized Motor Kit (208-230/460V) | YS*180F |
| BAYHSMT042A②④ | 7-1/2HP Oversized Motor Kit (575V) | YS*210F, 240F, YH*210F, 240F |
| BAYHSMT072A②④ | 7-1/2HP Oversized Motor Kit (575V) | YS*180F, YH*180F |
| BAYHSMT098A②④ | 7-1/2HP Oversized Motor Kit (230V) | YH*210F, YH*240F |
| BAYHSMT099A②④ | 7-1/2HP Oversized Motor Kit (460V) | YH*210F, YH*240F |
| BAYLOAM023A③ | Evaporator Defrost Control | YS*150F, YH*150F, YS*180F, YS*210F, 240F, 300F |
| BAYLOAM031A | Evaporator Defrost Control | YH*210F, 240F, 300F, 180F |
| BAYLPKT018A | LP Conversion Kit | YC*150F-YC*301F |
| BAYLSDR004A② | Low Static Drive | YS*150F, 180F, 210F, YH*210F, YS*240F, YH*241F |
| BAYLSDR002A② | Low Static Drive | YH*150F, 180F, YS*300F |
| BAYPWRX029A | Power Exhaust for all Voyagers 12½-25 Ton 230V units | Downflow Only |
| BAYPWRX030A | Power Exhaust for all Voyagers 12½-25 Ton 460V units | Downflow Only |
| BAYPWRX031A | Power Exhaust for all Voyagers 12½-25 Ton 575V units | Downflow Only |
| BAYSERV001A | Selective Resistance Service Tester | YC*150F-YC*301F |
| BAYSTAT023 | Remote Potentiometer | YC*150F-YC*301F |
| BAYTUBE008A③④ | Discharge Air Sensing Kit | YCD150F-YCD301F |
| BAYTUBE009A③④ | Discharge Air Sensing Kit | YCH150F-YCH301F |
| BAYQACB044A | Adapter Curb | BAYCURB026A/B to BAYCURB027A/B |
| BAYVNOR002B③ | Ventilation Override Kit | YC*150F-YC*301F |

① High static drive and oversized motors are mutually exclusive, Do Not Combine.
② Low static drive and oversized motors are mutually exclusive, Do Not Combine.
③ BAYABRD002 is required when ordering BAYDFPS005A or 006A, BAYTUBE008A or 009A and BAYLOAM023A, BAYLOAM031A or BAYVNOR002B.
④ Field or factory installed option.
* Either horizontal or downflow models

Packaged Gas/Electric

# Packaged Gas/Electric with ReliaTel™ Controls 12½-25 Tons, R-22, R-410A Zone Sensors / Thermostats

**Table PG-25-A — Zone Sensors — ReliaTel™**

| Model Number | Description | Used With |
|---|---|---|
| ASYSTAT106A | Single Setpoint Manual Changeover | YC*150-301 |
| ASYSTAT108A | Dual Setpoint Manual or Automatic Changeover | YC*150-301 |
| ASYSTAT111A | Remote Room Sensor | ASYSTAT777A |
| ASYSTAT777A | Programmable Night Setback | YC*150-301 |
| ASYSTAT710A | Wall Mounted Humidity Sensor | YHD150, 180, 240F (with Reheat) |
| ASYSTAT711A | Duct Mounted Humidity Sensor | YHD150, 180, 240F (with Reheat) |
| BAYMTPL110A | Retrofit Wall Cover Plate Kit 7.25" x 6.0" | ASYSTAT777A |

**For additional Controls Information:**
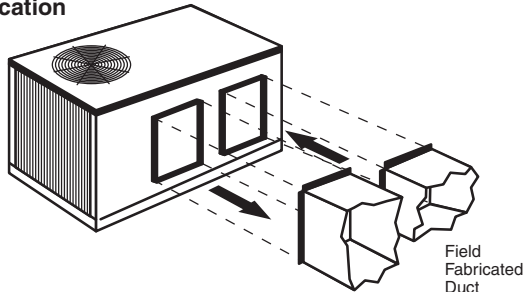**See ReliaTel™ and Micro Control features on PC-17 and PC-18.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

12 1/2 – 25 Ton Packaged Gas/Electric,
Electric/Electric and Heat Pump

**Packaged Gas/Electric**

**Dedicated Airflow Design**

OR

**Typical Downflow Application**

G · A · E · QA · D · C · S

Field
Fabricated
Duct

Field
Fabricated
Duct
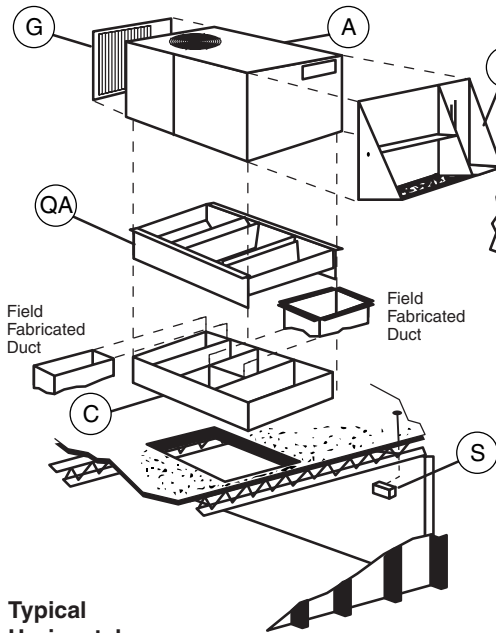
**Typical
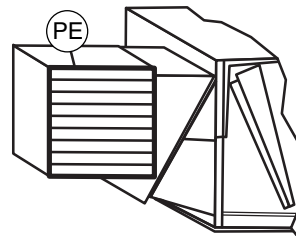Horizontal
Application**

Field
Fabricated
Duct

**Typical Economizer
Application**
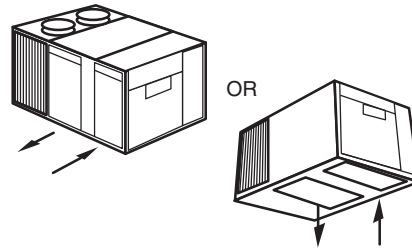
## Factory Supplied Accessories

- (A) Unit
  Y*D/H, T*D/H, WSD/H

- (G) Coil Guard (BAYGARD)

- (E) Economizer (Downflow and
  Horizontal) (BAYECON)

- (D) Fresh Air Damper (BAYDMPR)
  Manual (0-25%) Motorized (0-50%)

- (S) Sensor/Thermostat

- (C) Curb (BAYCURB)

- (QA) Quick Adapt Curb...Field Supplied
  (BAYCURB)

- (PE) Power Exhaust (BAYPWRX)

## Power Exhaust Accessory

(PE)

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

PG-26

Effective 1/1/13
14-1011-29

# Factory Installed Options
## Commercial Packaged Units 12 ½-25 Tons*

**American Standard Heating & Air Conditioning** offers a variety of factory installed options for the light commercial packaged rooftop product line. These options are in addition to the standard factory installed options, i.e., downflow economizer and oversized motors. The Voyager unit now offers a full configured to order model number that includes the options within the model number structure. Please be sure to review the model number for specific options.

**Black Epoxy Coated Condenser Coil –** Black Epoxy coil protection is a factory-applied, thermoset vinyl coating that is bonded to the aluminum fin stock prior to the fin stamping process. The pre-coated coils are an economical option for protection in mildly corrosive environments.

**Dehumidification Option** – The dehumidification (hot gas reheat) option is a factory-installed option that provides increased dehumidification. The option consists of a hot-gas reheat coil located on the leaving air side of the evaporator coil prepiped and circuited. The option is equipped with crankcase heater(s), low pressure switch(es), Frostat™, and a thermostatic expansion valve(s) (TXV) as standard.

**Differential Pressure Switches –** A dedicated differential pressure switch is available to achieve active fan failure indication and/or clogged filter indication. These indications will be registered on a zone sensor with status indication lights. This option is available for all 3 – 25 ton models.

**Electric Heaters –** Factory installed and wired electric heaters are available for all 230, 460, and 575 volt 3-phase horizontal and downflow 3 – 25 ton models. If ordering the Through the Base Electrical option with an Electric Heater, the heater must be factory installed.

**Hinged Access Doors –** Sheet metal hinges are available factory installed on the Filter/Evaporator Access Door and the Compressor/Control Access Door of all 3 – 25 ton units.

**Powered or Unpowered Convenience Outlet –** This option is a GFCI, 120 volt/15 amp, 2 plug, convenience outlet, either powered or unpowered. When the convenience outlet is powered, a service receptacle disconnect will be available. The convenience outlet is powered from the line side of the disconnect or circuit breaker, and therefore will not be affected by the position of the disconnect or circuit breaker.

This option is available for all 3 – 25 ton units and can only be ordered when the Through the Base Electrical with either the Disconnect Switch or Circuit Breaker option is ordered.

**Reference or Comparative Enthalpy –** When a factory installed Downflow Economizer is ordered, an option will be to factory install either Reference or Comparative Enthalpy Control.

**Through the Base Electrical with Circuit Breaker –** This option is a factory installed thermal magnetic, molded case, HACR Circuit Breaker with provisions for through the base electrical connections. The circuit breaker will be installed in a water tight enclosure in the unit with access through a swinging door. Factory wiring will be provided from the switch to the unit high voltage terminal block. The circuit breaker will provide overcurrent protection, be sized per NEC and UL guidelines, and be agency recognized by UL/CSA.

This option is available for all 3 – 25 ton downflow models. Either a Circuit Breaker or a Disconnect Switch (not both) must be ordered when ordering the Through the Base Electrical option.

**Through the Base Electrical with Disconnect Switch –** Factory installed 3-pole, molded case disconnect switch with provisions for through the base electrical connections are available. The disconnect switch will be installed in the unit in a water tight enclosure with access through a swinging door. Factory wiring will be provided from the switch to the unit high voltage terminal block. The switch will be UL/CSA agency recognized. Note: The disconnect switch will be sized per NEC and UL guidelines but will not be used in place of unit overcurrent protection.

This option is available for all 230, 460 and 575 volt, 3-phase 3 – 25 ton models. Either a Circuit Breaker or a Disconnect Switch (not both) must be ordered when ordering the Through the Base Electrical option.

**Through the Base Gas Piping –** With this option, provision will be made in the unit for installing through the base gas piping. The option will have all piping necessary including a pre-assembled, black steel, manual gas shut-off valve, elbows and union. The manual shut-off valve shall include a 1/8 inch NPT pressure tap. This assembly will require minor field labor to install.

This option is available for all 3 – 25 ton gas/electric units, and can only be ordered when the Through the Base Electrical Option with Disconnect or Circuit Breaker is ordered.

**Discharge Air Sensing Kit –** This option provides true discharge air sensing in heating models. This sensor is a status indicator readable through Tracer® or Tracker®. The kit is functional only with the ReliaTel™ Module.

**Hail Guards –** Hail protection quality coil guards can be either factory or field-installed for condenser coil protection.

**High Efficiency Motors –** This option is available with efficiency ratings from 86.5 up to 91.0. Not available for all models.

**Supply and/or Return Air Smoke Detector –** With this option installed, if smoke is detected, all unit operation will be shut down. Reset will be manual at the unit. Return Air Smoke Detectors require minimum allowable airflow when used with certain models. See the Installation, Operation, and Maintenance (IOM) manual for the models affected and the minimum allowable airflow required. This option is available on all 12½-25 tons models.

**Frostat –** This factory or field installed option is to be utilized as a safety device. The Frostat opens when temperatures on the evaporator coil fall below 10°F. The temperature will need to rise to 50°F before closing. This option should be utilized in low airflow or high outside air applications.

**Through the Base Utilities Access –** An electrical service entrance shall be provided allowing electrical access for both control and main power connection inside the curb and through the base of the unit. Option will allow for field installation of liquid-tight conduit and an external field installed disconnect switch.

**Novar Unit Controls –** Novar rooftop unit controls will be factor installed and tested. The Novar electronic thermostat module will interface to the unit microprocessor and will control the unit to the desired stage of cooling or heating. The Novar electronic thermostat module will monitor the following unit information: fan failure status, cooling stage 1-on status, cooling stage 2 on status, heating on status, clogged filter status or unit shutdown status, and discharge air temperature. The Novar electronic thermostat module will have the ability to enable the unit mounted economizer.

**Novar Return Air Sensor –** This option, when used in conjunction with Novar Controls, will contain a factory provided wired zone temperature sensor located in the return air stream.

**Two Inch Pleated Filters –** Two inch pleated media filters shall be available on all 12½-25 ton models.

**Thermal Expansion Valve (TXV) and Face Split Evaporator –** All units shall have a short orifice refrigerate control metering device. For more exact refrigerant flow, when using units in low airflow or high outside air applications, a Thermal Expansion Valve option shall be available. This is available on High Efficiency Gas/Cooling units only.

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### Before Ordering:

Not all factory options are offered for single phase units.

Please contact the Clarksville, TN Support Team for latest updates of factory installed options and ordering instructions.

**Call (931) 645-6471** and ask to be connected to the Light Commercial Product Support Team. (888) 279-0543

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**FIOPS**

\*  Some configurations available only for certain tonnages, unit functions, or efficiencies.

$$\underline{Y} \ \underline{S} \ \underline{D} \ \underline{1} \ \underline{5} \ \underline{0} \ \underline{F} \ \underline{3} \ \underline{R} \ \underline{Z} \ \underline{B} \ \underline{*} \ \underline{*}$$
1 2 3 4 5 6 7 8 9 10 11 12 13

**FIOPS**

**Digit 1 – Unit Type**
T = Packaged Cooling, Electric Heat
Y = Packaged Gas/Electric

**Digit 2 – Efficiency**
S = Standard Efficiency
H = High Efficiency

**Digit 3 – Airflow Configuration**
D = Downflow
H = Horizontal

**Digit 4-6 – Nominal Gross Cooling Capacity (MBh)**
150 = 12½ Tons
180 = 15 Tons
210 = 17½ Tons
240 = 20 Tons
300 = 25 Tons

**Digit 7 – Major Design Sequence**
F = Microchannel Type Condenser Coils

**Digit 8 – Voltage Selection**
3 = 208-230/60/3
4 = 460/60/3
W = 575/60/3
K = 380/60/3

**Digit 9 – Unit Controls**
R = ReliaTel™

**Digit 10 – Heating Capacity**
0 = No Heat[2]
G = 18 kW Electric Heat[2]
K = 27 kW Electric Heat[2]
N = 36 kW Electric Heat[2]
P = 54 kW Electric Heat[2]
R = 72 kW Electric Heat[2]
H = Gas Heat - High[1]
L = Gas Heat - Low[1]
V = Gas Heat - SS Ht Ex - Modulating[1]
X = Gas Heat - SS Ht Ex - Low[1]
Z = Gas Heat - SS Ht Ex - High[1]

**Digit 11 – Minor Design Sequence**

**Digit 12-13 – Service Sequence**

**Digit 14 – Fresh Air Selection**
0 = No Fresh Air
D = Econ Dry Bulb w/ Barometric Relief
F = Econ Reference Enthalpy w/Barometric Relief
H = Econ Comparative Enthalpy w/Barometric Relief

**Digit 15 – Supply Fan/Drive Type/Motor**
0 = Standard Motor
1 = Oversized Motor
3 = High Efficiency Motor
6 = Single Zone Variable Air Volume Standard Motor
7 = Multi-Speed Standard Motor
8 = Single Zone Variable Air Volume Oversized Motor
9 = Multi-Speed Oversized Motor
A = Single Zone Variable Air Volume Standard Motor w/Shaft Ground Ring
B = Multi-Speed Standard Motor w/Shaft Ground Ring
C = Single Zone Variable Air Volume Oversized Motor w/Shaft Ground Ring
D = Multi-Speed Oversized Motor w/Shaft Ground Ring

**Digit 16 – Hinged Service Access / Filters**
0 = Standard Panels/Standard Filters
A = Hinged Access/Standard Filters
B = Standard Panels/MERV 8 Filters
C = Hinged Access/MERV 8 Filters
D = Standard Panels/MERV 13 Filters
E = Hinged Access/MERV 13 Filters

**Digit 17 – Condenser Coil Protection**
0 = Standard Coil
1 = Standard Coil With Hail Guard
4 = CompleteCoat™ Condenser Coil
5 = CompleteCoat™ Condenser Coil with Hail Guard

**Digit 18 – Through The Base Provisions.**
0 = No Through The Base Provisions[3]
A = Through The Base Electric[3]
B = Through The Base Gas[1]
C = Through The Base Electric/Gas[1]
D = Through The Base Access[1]

**Digit 19 – Disconnect Switch/Circuit Breaker**
0 = No Disconnect/circuit break
1 = Unit Mounted Non-Fused Disconnect Switch
2 = Unit Mounted Circuit Breaker

**Digit 20 – Convenience Outlet Option**
0 = Without Convenience Outlet
A = Unpowered Convenience Outlet
B = Powered Convenience Outlet

**Digit 21 – Communications Options**
0 = Without Communications Options
3 = Novar 2024 Controls Interface[6]
4 = Novar 3051 Controls Interface[6]
5 = Novar 3051 Communications Interface with Demand Control Ventilation[6]
6 = Building Automation Control Network Communications Interface

**Digit 22 – Refrigeration System Option**
0 = Standard refrigeration system
A = Thermal Expansion Valve (TXV)
B = Dehumidification (Hot Gas Reheat)

**Digit 23 – Refrigeration Controls**
0 = Without Refrigeration Controls
1 = Frostat

**Digit 24 – Smoke Detector**
0 = Without Smoke Detector
A = Return Air Smoke Detector
B = Supply Air Smoke Detector
C = Return/Supply Air Smoke Detector
D = Plenum Smoke Detector

**Digit 25 – System Monitoring Controls**
0 = No Monitoring Controls
1 = Clogged Filter Switch
2 = Fan Failure Switch
3 = Discharge Air Sensing
4 = Clogged Filter Switch and Fan Failure switch
5 = Clogged Filter Switch and Discharge Air Sensing
6 = Fan Failure Switch and Discharge Air Sensing
7 = Clogged Filter Switch, Fan Failure Switch and Discharge Air Sensing
8 = NOVAR Return Air Sensor (Novar 2024)[4]
9 = NOVAR Zone Temp Sensor(Novar 3051)[4]
A = Condensate Drain Pan Overflow Switch
B = Clogged Filter Switch and Condensate Drain Pan Overflow Switch
C = Fan Failure Switch and Condensate Drain Pan Overflow Switch
D = Discharge Air Sensing and Condensate Drain Pan Overflow Switch
E = Clogged Filter Switch, Fan Failure Switch and Condensate Drain Pan Overflow Switch
F = Clogged Filter Switch, Discharge Air Sensing Tube and Condensate Drain Pan Overflow Switch
G = Fan Failure Switch, Discharge Air Sensing Tube and Condensate Drain Pan Overflow Switch
H = Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing and Condensate Drain Pan Overflow Switch

**Digit 26 – System Monitoring Controls**
0 = No Monitoring Controls
A = Demand Control Ventilation ($CO_2$)[5]

**Digit 27 – Unit Hardware Enhancements**
0 = No Enhancements
1 = Stainless Steel Drain Pan

**Note:** *Most Factory Installed Options available for Downflow Air Discharge units only. Please verify with ordering system for availability.*

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[1] *Applicable to Digit 1 Y models only.*
[2] *Applicable to Digit 1 T models only.*
[3] *Applicable to Digit 1, T or Y models.*
[4] *Novar is not available with SZ VAV products.*
[5] *Demand Control Ventilation Option includes wiring only. The $CO_2$ sensor is a field-installed only option.*

W S D 1 5 0 E 3 R G B * *
1   2   3   4 5 6   7   8   9   10   11 12 13

**Digit 1 – Unit Type**
W = Packaged Cooling, Electric Heat

**Digit 2 – Efficiency**
S = Standard Efficiency

**Digit 3 – Airflow Configuration**
D = Downflow
H = Horizontal

**Digit 4-6 – Nominal Gross Cooling Capacity (MBh)**
150 = 12½ Tons
180 = 15 Tons
210 = 17½ Tons
240 = 20 Tons

**Digit 7 – Major Design Sequence**
E = R-410A Refrigerant

**Digit 8 – Voltage Selection**
3 = 208-230/60/3
4 = 460/60/3
W = 575/60/3

**Digit 9 – Unit Controls**
R = ReliaTel™

**Digit 10 – Heating Capacity**
0 = No Heat
G = 18 kW Electric Heat
K = 27 kW Electric Heat
N = 36 kW Electric Heat
P = 54 kW Electric Heat
R = 72 kW Electric Heat

**Digit 11 – Minor Design Sequence**

**Digit 12-13 – Service Sequence**

**Digit 14 – Fresh Air Selection**
0 = No Fresh Air
A = Manual Damper
B = Motorized Damper
D = Econ Dry Bulb w/ Barometric Relief
F = Econ Reference Enthalpy w/Barometric Relief
H = Econ Comparative Enthalpy w/Barometric Relief

**Digit 15 – Supply Fan/Drive Type/Motor**
0 = Standard Motor
1 = Oversized Motor
3 = High Efficiency Motor
6 = Single Zone Variable Air Volume Standard Motor
7 = Multi-Speed Standard Motor
8 = Single Zone Variable Air Volume Oversized Motor
9 = Multi-Speed Oversized Motor
A = Single Zone Variable Air Volume Standard Motor w/Shaft Ground Ring
B = Multi-Speed Standard Motor w/Shaft Ground Ring
C = Single Zone Variable Air Volume Oversized Motor w/Shaft Ground Ring
D = Multi-Speed Oversized Motor w/Shaft Ground Ring

**Digit 16 – Hinged Service Access / Filters**
0 = Standard Panels/Standard Filters
A = Hinged Access/Standard Filters
B = Standard Panels/2" MERV 8 Filters
C = Hinged Access/2" MERV 8 Filters
D = Standard Panels/MERV 13 Filters
E = Hinged Access/MERV 13 Filters

**Digit 17 – Condenser Coil Protection**
0 = Standard Coil
1 = Standard Coil With Hail Guard
2 = Black Epoxy Pre-Coated Coil
3 = Black Epoxy Pre-Coated Coil with Hail Guard

**Digit 18 – Through The Base Provisions**.
0 = No Through The Base Provisions
A = Through The Base Electric
D = Through The Base Access

**Digit 19 – Disconnect Switch/Circuit Breaker**
0 = No Disconnect/circuit break
1 = Unit Mounted Non-Fused Disconnect Switch
2 = Unit Mounted Circuit Breaker

**Digit 20 – Convenience Outlet Option**
0 = Without Convenience Outlet
A = Unpowered Convenience Outlet
B = Powered Convenience Outlet

**Digit 21 – Communications Options**
0 = Without Communications Options
6 = Building Automation Control Network Communications Interface

**Digit 22 – Refrigeration System Option**
0 = Standard refrigeration system

**Digit 23 – Refrigeration Controls**
0 = Without Refrigeration Controls
1 = Frostat

**Digit 24 – Smoke Detector**
0 = Without Smoke Detector
A = Return Air Smoke Detector
B = Supply Air Smoke Detector
C = Return/Supply Air Smoke Detector
D = Plenum Smoke Detector

**Digit 25 – System Monitoring Controls**
0 = No Monitoring Controls
1 = Clogged Filter Switch
2 = Fan Failure Switch
3 = Discharge Air Sensing
4 = Clogged Filter Switch and Fan Failure switch
5 = Clogged Filter Switch and Discharge Air Sensing
6 = Fan Failure Switch and Discharge Air Sensing
7 = Clogged Filter Switch, Fan Failure Switch and Discharge Air Sensing
A = Condensate Drain Pan Overflow Switch
B = Clogged Filter Switch and Condensate Drain Pan Overflow Switch
C = Fan Failure Switch and Condensate Drain Pan Overflow Switch
D = Discharge Air Sensing and Condensate Drain Pan Overflow Switch
E = Clogged Filter Switch, Fan Failure Switch and Condensate Drain Pan Overflow Switch
F = Clogged Filter Switch, Discharge Air Sensing Tube and Condensate Drain Pan Overflow Switch
G = Fan Failure Switch, Discharge Air Sensing Tube and Condensate Drain Pan Overflow Switch
H = Clogged Filter Switch, Fan Failure Switch, Discharge Air Sensing and Condensate Drain Pan Overflow Switch

**Digit 26 – System Monitoring Controls**
0 = No Monitoring Controls
A = Demand Control Ventilation ($CO_2$)①

**Digit 27 – Unit Hardware Enhancements**
0 = No Enhancements
1 = Stainless Steel Drain Pan

**Note:** *Most Factory Installed Options available for Downflow Air Discharge units only. Please verify with ordering system for availability.*

① Demand Control Ventilation Option includes wiring only. The C02 sensor is a field-installed only option.

**FIOPS**

# Indoor Gas Heating Products

American Standard Heating & Air Conditioning now offers one of the most complete lines of indoor and outdoor gas heating products on the market today!

## Tubular Heat Exchanger Propeller Fan Unit Heater Model ATND/ATPD

The American Standard Heating & Air Conditioning tubular heat exchanger is a durable unit heater that provides an alternative to the traditional clam shell style. These propeller style units combine the latest tubular heat exchanger technology with in-shot burner design to create an efficient operation unit.

**Table UH-1-A — Tubular Heat Exchanger Propeller Gas Unit Heater**

| GTND/GTPD | 003 | 004 | 006 | 007 | 009 | 011 | 012 | 015 | 017 | 020 | 025 | 030 | 035 | 040 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Input MBh | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 150 | 175 | 200 | 250 | 300 | 350 | 400 |
| Output MBh | 24.9 | 37.35 | 49.8 | 61.5 | 73.8 | 86.1 | 98.4 | 124.5 | 145.25 | 166.0 | 207.5 | 249.0 | 290.5 | 332.0 |
| Thermal Efficiency | 83% | 83% | 83% | 82% | 82% | 82% | 82% | 83% | 83% | 83% | 83% | 83% | 83% | 83% |
| Free Air Delivery (cfm) | 370 | 550 | 740 | 920 | 1100 | 1300 | 1475 | 2400 | 2850 | 3200 | 3450 | 5000 | 5600 | 5800 |
| Air Temperature Rise F | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 47 | 46 | 47 | 54 | 45 | 47 | 51 |
| Full Load Amps at 120V | 3.0 | 3.0 | 4.1 | 4.1 | 6.4 | 6.4 | 6.4 | 5.8 | 8.0 | 8.0 | 8.0 | 11.3 | 13.5 | 13.5 |
| Motor Data | | | | | | | | | | | | | | |
|     Hp | 1/20 | 1/20 | 1/12 | 1/12 | 1/10 | 1/10 | 1/10 | ¼ | 1/3 | 1/3 | 1/3 | ¼ | 1/3 | 1/3 |
|     kW | 0.04 | 0.04 | 0.06 | 0.06 | 0.075 | 0.075 | 0.075 | 0.19 | 0.25 | 0.25 | 0.25 | 0.19 | 0.25 | 0.25 |
|     Type | SP | SP | SP | SP | SP | SP | SP | PSC | PSC | PSC | PSC | PSC | PSC | PSC |
|     Rpm | 1650 | 1650 | 1050 | 1050 | 1050 | 1050 | 1050 | 1140 | 1140 | 1140 | 1140 | 1140 | 1140 | 1140 |
| Amps at 155V | 1.9 | 1.9 | 2.6 | 2.6 | 2.6 | 4.2 | 4.2 | 4.7 | 5.8 | 5.8 | 5.8 | 9.4 | 11.6 | 11.6 |

① Ratings are shown for elevations up to 2,000 feet above sea level. Above 2,000 feet, input must be derated 4 percent for each 1,000 feet above sea level.
② CS= Capacitor Start, PSC = Permanent Split Capacitor.
③ Standard motors are 115/60/1 open drip-proof.
④ 0.2 maximum external static pressure.
⑤ Unit amps are based on hot surface pilot ignition.

## High Efficiency Propeller Fan Gas Unit Heaters Model AHND/AHPD

American Standard Heating & Air Conditioning high efficiency propeller fan gas unit heaters can achieve annual fuel savings of 20 to 25 percent or more over conventional gravity-vented heaters. Features include a factory installed flue vent fan and sealed flue collector that control combustion and excess air during the on-cycle. Heated air no longer escapes through the draft diverted opening during the off cycle. Energy-saving intermittent pilot ignition reduces gas losses. The pilot only operates when required. Horizontal power venting allows for side wall venting, smaller openings and single-walled vent pipe. These high efficiency gas fan unit heaters carry a ten-year non-prorated warranty on the heat exchanger, flue collector and burners.

**Table UH-1-B — High Efficiency Propeller Fan Gas Unit Heater**

| ATND/ATPD | 010 | 012 | 015 | 017 | 020 | 022 | 025 | 030 | 035 | 040 |
|---|---|---|---|---|---|---|---|---|---|---|
| Input MBh | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 350 | 400 |
| Output MBh | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 280 | 320 |
| Flue Outlet (1) | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" |
| Rec. Flue Size | 4"R | 4"R | 4"R | 4"R | 5"R | 5"R | 5"R | 6"R | 6"R | 6"R |
| CFM | 1480 | 1650 | 2200 | 2530 | 2640 | 2700 | 3100 | 4400 | 5000 | 5300 |
| Air Temperature Rise °F | 50 | 56 | 50 | 51 | 56 | 61 | 60 | 50 | 52 | 56 |
| Outlet Velocity | 775 | 910 | 1045 | 1070 | 1010 | 950 | 980 | 1100 | 1150 | 1050 |
| Nominal Horsepower | 1/20 | 1/10 | 1/4 | 1/3 | 1/3 | 1/3 | 1/3 | (2) 1/4 | (2) 1/3 | (2) 1/3 |
| Motor Amps | 2.6 | 2.8 | 4.0 | 4.5 | 4.5 | 4.5 | 4.5 | 8.0 | 9.0 | 9.0 |
| Thermal Efficiency | 80% | 80% | 80% | 80% | 80% | 80% | 80% | 80% | 80% | 80% |

① All flue outlets are 5 1/8" O.D. ±1/32" (reducer by installer where required). Increaser supplied by manufacturer for 030,035,040 sizes.

**Contact your American Standard Heating & Air Conditioning Territory Manager for more information.**

**Unit Heaters**

![American Standard Heating & Air Conditioning logo]

# Indoor Gas Heating Products

## High Efficiency Centrifugal Fan Gas Unit Heaters Model ABND/ABPD

The American Standard Heating & Air Conditioning high efficiency centrifugal fan gas unit heater incorporates the same features as the high efficiency propeller unit heater. An exceptionally balanced centrifugal blower assembly results in quieter operation. The high efficiency centrifugal fan is also well-suited for high static applications where ductwork is required. Duct discharge flanges may be ordered in lieu of horizontal louvers to accommodate ductwork. American Standard Heating & Air Conditioning's high efficiency centrifugal fan gas unit heater carries a ten-year non-prorated warranty on the heat exchanger, flue collector and burners.

**Table UH-2-A — High Efficiency Centrifugal Fan Gas Unit Heater**

| ABND/ABPD | 010 | 012 | 015 | 017 | 020 | 022 | 025 | 030 | 035 | 040 |
|---|---|---|---|---|---|---|---|---|---|---|
| Input MBh | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 350 | 400 |
| Output MBh | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 280 | 320 |
| Flue Outlet (1) | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" |
| Flue Outlet | 4"R | 4"R | 4"R | 4"R | 5"R | 5"R | 5"R | 6"R | 6"R | 6"R |
| Free Air Delivery | 1200 | 1575 | 1975 | 2300 | 2400 | 2600 | 2850 | 3950 | 4600 | 4800 |
| Outlet Velocity | 880 | 950 | 1030 | 1045 | 965 | 935 | 930 | 1080 | 1090 | 1000 |
| Nominal Horsepower | 1/4 | 1/3 | 1/2 | 1/2 | 3/4 | 3/4 | 3/4 | 3/4 | 1 | 1 |
| Motor Amps | 5.1 | 6.6 | 7.4 | 7.4 | 12.0 | 12.0 | 12.0 | 12.0 | 15.4 | 15.4 |

① All flue outlets are 5 1/8" O.D. ±1/32" (reducer by installer where required). Increaser supplied by manufacturer for 030,035,040 sizes.

## High Efficiency Indoor Gas Duct Furnace Model ALND/ALPD

The American Standard Heating & Air Conditioning high efficiency indoor gas duct furnaces can achieve annual fuel savings of 20 to 25 percent or more over conventional gravity vented units. Features include a factory installed flue vent fan and sealed flue collector that control combustion and excess air during the on-cycle. Heated air no longer escapes through the draft diverted opening during the off cycle.

Energy saving intermittent pilot ignition reduces gas losses. The pilot operates only when required. Horizontal power venting allows side wall venting, smaller openings and single wall vent pipe.

**Table UH-2-B — High Efficiency Indoor Gas Duct Furnace**

| ALND/ALPD | 010 | 012 | 015 | 017 | 020 | 022 | 025 | 030 | 035 | 040 |
|---|---|---|---|---|---|---|---|---|---|---|
| Input MBh | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 350 | 400 |
| Output MBh | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 280 | 320 |
| Max CFM | 2469 | 3086 | 3704 | 4321 | 4938 | 5556 | 6173 | 7407 | 8642 | 9877 |
| Pressure Drop | 0.90 | 0.80 | 0.75 | 0.75 | 0.75 | 0.75 | 0.80 | 0.90 | 0.90 | 0.90 |
| Min. Temperature Rise °F | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Min. CFM | 929 | 1157 | 1389 | 1620 | 1852 | 2083 | 2315 | 2778 | 3241 | 3704 |
| Pressure Drop | 0.12 | 0.13 | 0.15 | 0.14 | 0.14 | 0.14 | 0.14 | 0.13 | 0.13 | 0.14 |
| Max Temperature Rise °F | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| Flue Outlet (1) | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" | 5 1/8" |
| Rec. Flue Size | 4"R | 4"R | 4"R | 4"R | 5"R | 5"R | 5"R | 6"R | 6"R | 6"R |

① All flue outlets are 5 1/8" O.D. ±1/32" (reducer by installer where required). Increaser supplied by manufacturer for 030,035,040 sizes.

**Unit Heaters**

**Contact your American Standard Heating & Air Conditioning Territory Manager for more information.**

# Indoor Gas Heating Products

## Separated Combustion Propeller Fan Unit Heaters
## Model AAND/AAPD

The American Standard Heating & Air Conditioning separated combustion propeller type unit heater keeps energy costs down by offering 80 percent thermal efficiencies. With model inputs available from 100 through 400 MBH, they are designed to be installed in mildly hostile environments where dusty, dirty and mildly corrosives exist or high humidity or slightly negative pressures prevail.

The American Standard Heating & Air Conditioning propeller unit separates the combustion process from the environment where the unit is installed. A power venting system draws a controlled quantity of combustion air from outside the building. The same system exhausts flue gas products to the outside. The burners, pilot and flue system are enclosed within the unit. The entire combustion process is literally unaffected by the atmosphere in the space where the unit is located.

Combustion and exhaust air may be piped horizontally through a side wall, or vertically through the roof via our standard two-pipe venting arrangement or optional concentric vent kit which utilizes one 8-inch side wall or rooftop penetration for both the combustion and exhaust air. Both venting systems are C.S.A. International certified.

**Table UH-3-A — Separated Combustion Propeller Fan Gas Unit Heater**

| AAND/AAPD | | 010 | 012 | 015 | 017 | 020 | 022 | 025 | 030 | 035 | 040 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Input | MBh | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 350 | 400 |
| | kW | 29.3 | 36.6 | 43.9 | 51.2 | 58.6 | 65.9 | 73.2 | 87.8 | 102.5 | 117.1 |
| Output | MBh | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 280 | 320 |
| | kW | 23.4 | 29.3 | 35.1 | 41.0 | 46.9 | 52.7 | 58.6 | 70.3 | 82.0 | 93.7 |
| Thermal Efficiency | | 80% | 80% | 80% | 80% | 80% | 80% | 80% | 80% | 80% | 80% |
| Free Air Delivery | cfm | 1480 | 1650 | 2200 | 2530 | 2640 | 2700 | 3100 | 4400 | 5000 | 5300 |
| | m³/s | 0.699 | 0.779 | 1.038 | 1.194 | 1.246 | 1.274 | 1.463 | 2.077 | 2.360 | 2.502 |
| Air Temperature Rise | °F | 50 | 56 | 50 | 51 | 56 | 61 | 60 | 50 | 52 | 56 |
| | °C | 28 | 31 | 28 | 28 | 31 | 34 | 33 | 28 | 29 | 31 |
| Output Velocity | fpm | 775 | 910 | 1045 | 1070 | 1000 | 950 | 980 | 1100 | 1150 | 1050 |
| | m/s | 3.9 | 4.6 | 5.3 | 5.4 | 5.1 | 4.8 | 5.0 | 5.6 | 5.8 | 5.3 |
| Full Load Amps at 115V | | 5.8 | 6.0 | 7.2 | 7.8 | 7.8 | 7.8 | 8.8 | 11.2 | 12.2 | 12.2 |
| Motor Data | hp | 1/20 | 1/10 | 1/4 | 1/3 | 1/3 | 1/3 | 1/2 | (2) 1/4 | (2) 1/3 | (2) 1/3 |
| | kW | 0.037 | 0.075 | 0.186 | 0.249 | 0.249 | 0.249 | 0.373 | (2) 0.186 | (2) 0.249 | (2) 0.249 |
| | Type | SP | SP | PSC | PSC | PSC | PSC | PSC | PSC | PSC | PSC |
| | rpm | 1,050 | 1,050 | 1,140 | 1,140 | 1,140 | 1,140 | 1,140 | 1,140 | 1,140 | 1,140 |
| Amps at 115V | | 2.6 | 2.8 | 4.0 | 4.5 | 4.5 | 4.5 | 5.5 | 8.0 | 9.0 | 9.0 |

Notes:
① Ratings are shown for elevations up to 2,000 feet above sea level. Above 2,000 feet, input must be derated 4 percent for each 1,000 feet above sea level.
② Standard motor is 115/60/1 open drip-proof.
③ SP = Shaded Pole; PSC = Permanent Split Capacitor.

**Contact your American Standard Heating & Air Conditioning Territory Manager for more information.**

# Indoor Gas Heating Products

## Separated Combustion Centrifugal Fan Unit Heaters
## Model AKND/AKPD

The American Standard Heating & Air Conditioning separated combustion centrifugal type unit heater keeps energy costs down by offering 80 percent thermal efficiencies. With model inputs available from 100 through 400 MBh, they are designed to be installed in mildly hostile environments where dusty, dirty and mildly corrosives exist or high humidity or slightly negative pressures prevail. This unit operates at a static pressure up to 0.2" water column, and is available with a louvered (standard) or flanged outlet (optional) when discharge duct work is desired.

These units separate the combustion process from the environment where the unit is installed. A power venting system draws a controlled quantity of combustion air from outside the building. The same system exhausts flue gas products to the outside. The burners, pilot and flue system are enclosed within the unit. The entire combustion process is literally unaffected by the atmosphere in the space where the unit is located.

**Table UH-4-A — Separated Combustion Centrifugal Fan Gas Unit Heater**

| AKND/AKPD | | 010 | 012 | 015 | 017 | 020 | 022 | 025 | 030 | 035 | 040 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Input | MBh | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 350 | 400 |
| | kW | 29.3 | 36.6 | 43.9 | 51.2 | 58.6 | 65.9 | 73.2 | 87.8 | 102.5 | 117.1 |
| Output | MBh | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 280 | 320 |
| | kW | 23.4 | 29.3 | 35.1 | 41.0 | 46.9 | 52.7 | 58.6 | 70.3 | 82.0 | 93.7 |
| Thermal Efficiency | | 80% | 80% | 80% | 80% | 80% | 80% | 80% | 80% | 80% | 80% |
| Free Air Delivery | cfm | 1,200 | 1,575 | 1,975 | 2,300 | 2,400 | 2,600 | 2,850 | 3,950 | 4,600 | 4,800 |
| | m³/s | 0.566 | 0.743 | 0.932 | 1.086 | 1.133 | 1.227 | 1.345 | 1.864 | 2.171 | 2.266 |
| Air Temperature Rise | °F | 62 | 59 | 56 | 56 | 62 | 64 | 65 | 56 | 56 | 62 |
| | °C | 34 | 33 | 31 | 31 | 34 | 36 | 36 | 31 | 31 | 34 |
| Output Velocity | fpm | 880 | 950 | 1030 | 1045 | 965 | 935 | 930 | 1080 | 1090 | 1000 |
| | m/s | 4.47 | 4.83 | 5.23 | 5.31 | 4.90 | 4.75 | 4.72 | 5.49 | 5.54 | 5.08 |
| Full Load Amps at 115V | | 8.3 | 9.8 | 10.6 | 10.6 | 15.2 | 15.2 | 15.2 | 15.2 | 18.6 | 18.6 |
| Motor Data | hp | 1/4 | 1/3 | 1/2 | 1/2 | 3/4 | 3/4 | 3/4 | 3/4 | 1 | 1 |
| | kW | 0.19 | 0.25 | 0.37 | 0.37 | 0.56 | 0.56 | 0.56 | 0.56 | 0.75 | 0.75 |
| | Type | SPH | SPH | SPH | SPH | SPH | SPH | SPH | SPH | CS | CS |
| | rpm | 1725 | 1725 | 1725 | 1725 | 1725 | 1725 | 1725 | 1725 | 1725 | 1725 |
| Amps at 115V | | 5.1 | 6.6 | 7.4 | 7.4 | 12.0 | 12.0 | 12.0 | 12.0 | 15.4 | 15.4 |

Notes:
① Ratings are shown for elevations up to 2,000 feet above sea level. Above 2,000 feet, input must be derated 4 percent for each 1,000 feet above sea level.
② Standard motor is 115/60/1 open drip-proof.
③ SPH = Split Phase; CS = Capacitor Start.

# Indoor Gas Heating Products

## Separated Combustion Duct Furnace Model AMND/AMPD

The American Standard Heating & Air Conditioning separated combustion duct furnace is designed for installation in dusty, dirty or mildly corrosive environments or where high humidity or slightly negative pressures exist.  Ideal applications include HVAC equipment rooms, manufacturing facilities, automotive garages and greenhouses.

**Table UH-5-A — Separated Combustion Centrifugal Fan Gas Unit Heater**

| AMND/AMPD | | 010 | 012 | 015 | 017 | 020 | 022 | 025 | 030 | 035 | 040 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Input Max | MBh | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 350 | 400 |
| | kW | 29.3 | 36.6 | 43.9 | 51.2 | 58.6 | 65.9 | 73.2 | 87.8 | 102.5 | 117.1 |
| Input Min | MBh | 50 | 62.5 | 75 | 87.5 | 100 | 112.5 | 125 | 150 | 175 | 200 |
| | kW | 14.6 | 18.3 | 22.0 | 25.6 | 29.3 | 32.9 | 36.6 | 43.9 | 51.2 | 58.6 |
| Output | MBh | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 280 | 320 |
| | kW | 23.4 | 29.3 | 35.1 | 41.0 | 46.9 | 52.7 | 58.6 | 70.3 | 82.0 | 93.7 |
| Min | cfm | 822 | 1028 | 1233 | 1439 | 1645 | 1850 | 2056 | 2467 | 2878 | 3289 |
| | m³/s | 0.388 | 0.485 | 0.582 | 0.679 | 0.776 | 0.873 | 0.970 | 1.164 | 1.358 | 1.552 |
| Air Temperature Rise | °F | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| | °C | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| P.D. | in. of H2O | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.10 | 0.10 |
| | kPa | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Max | cfm | 3700 | 4625 | 5550 | 6475 | 7401 | 8326 | 9251 | 11101 | 12951 | 14801 |
| | m³/s | 1.746 | 2.183 | 2.620 | 3.056 | 3.493 | 3.930 | 4.366 | 5.240 | 6.113 | 6.986 |
| Air Temperature Rise | °F | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | °C | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| P.D. | in. of H2O | 2.03 | 1.92 | 1.81 | 1.86 | 1.90 | 1.93 | 1.96 | 2.00 | 2.02 | 2.05 |
| | kPa | 0.51 | 0.48 | 0.45 | 0.46 | 0.47 | 0.48 | 0.49 | 0.50 | 0.50 | 0.51 |

Note:
① Ratings are shown for elevations up to 2,000 feet above sea level. Above 2,000 feet input must be derated four percent for each 1,000 feet above sea level.

**Contact your American Standard Heating & Air Conditioning Territory Manager for more information.**

Unit Heaters

# American Standard
HEATING & AIR CONDITIONING

# Standard Trane Warranty Company
A "Manufacturer Backed" Extended Warranty Program

## Dealer Opportunity
- Limits dealer labor obligation
  - Reduces warranty reserve needed during first year of dealer labor obligation
- Secures future service business
  - Develops long term relationship between the dealer and the equipment owner
- Strengthens opportunity for maintenance agreement
  - Regular maintenance extends equipment life expectancy
  - Contract terms and conditions requires regular maintenance
- Reduces customer complaints
  - In the unlikely event of a failure the customer does not receive an invoice. Standard Trane Warranty Company pays the dealer directly for covered repairs.
- Income potential
  - Dealer mark up applies to the sale of the extended warranty contract to the equipment owner
  - Generous pay out on claims submitted using extended warranty task times and program details
- Rapid payment terms on claims
  - 7 day payment from process date
- Pre-authorizations
  - The only time a pre-authorization is required is for the repair/replace option
  - Standard Trane Warranty Company trusts the dealer expert

## Homeowner Solution
- Peace of mind
  - Manufacturer backed
    - Standard Trane Warranty Company is the obligor to the equipment owner
  - No out-of-pocket expenses for covered repairs
  - Known servicer
    - The equipment owner knows who to call
  - Quick resolution if a problem arises
- Quality Service
  - Service by an American Standard dealer
    - Trained service technicians
    - Direct access to manufacturer
- Transferable
  - Within 90 days of the property closing date

## To contact Standard Trane Warranty Company
- Email: ew@irco.com
- Phone: 1-800-554-8005
- Office hours are 8:00 AM to 5:00 PM CST, Monday through Friday except for holidays

**Please check www.asdealernet.com for all the latest and up to date information on warranty models available, task times, program details, confirmation of coverage, forms and more.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

WA-1

Effective 1/1/13
14-1011-29

# Roof Curbs

## BAYCURB050A FULL PERIMETER ROOF MOUNTING CURB OUTLINE



46 3/8
17 7/8
3
3 5/8
RETURN AIR
SUPPLY AIR
19 1/2
2 3/16
15
19 1/2
38 7/8
14
1 1/2

**018 through 036**
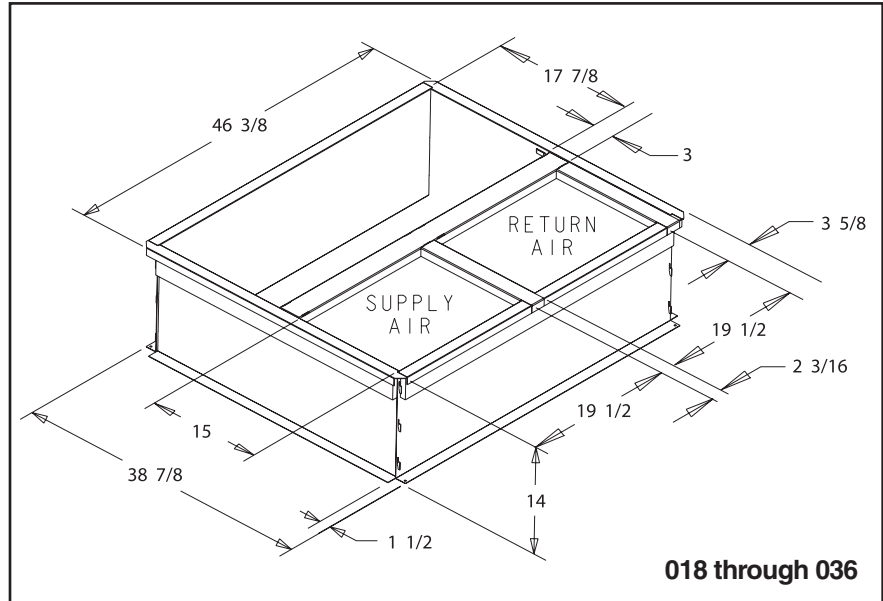
| Full Perimeter BAYCURB050A | Full Perimeter BAYCURB051A |
|---|---|
| 4TCY4024-036 | 4TCY4042-060 |
| 4TCX3018-036/4TCC3018-036 | 4TCX3042-060/4TCC3042-060 |
| 4WCZ6036/4DCZ6036 | 4WCZ6048-060/4DCZ6048-060 |
| 4WCY4024-036/4DCY4024-036 | 4WCY4042-060/4DCY4042-060 |
| 2/4WCX3018-036/2/4WCC3018-036 | 2/4WCX3042-060/2/4WCC3042-060 |
| 4YCZ6036 | 4YCZ6048-060 |
| 4YCY4024-036 | 4YCY4042-060 |
| 2/4YCX3018-036/2/4YCC3018-036 | 2/4YCX3042-060/2/4YCC3042-060 |

## BAYCURB051A FULL PERIMETER ROOF MOUNTING CURB OUTLINE
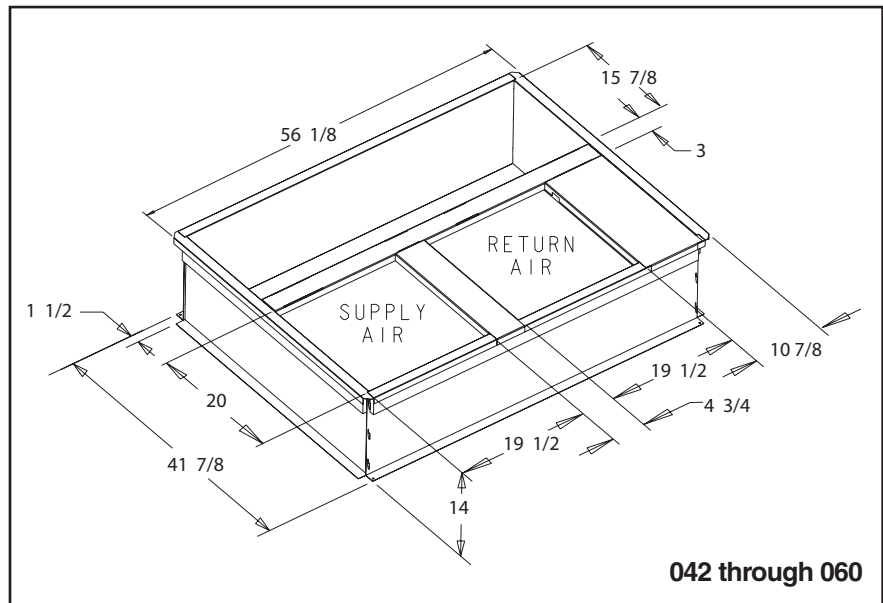


15 7/8
56 1/8
3
RETURN AIR
SUPPLY AIR
1 1/2
10 7/8
19 1/2
20
4 3/4
19 1/2
41 7/8
14

**042 through 060**

Accessories/Information

American Standard
HEATING & AIR CONDITIONING

**Accessories/Information**

**Table AC/IN-2-A — 3-10 Ton Convertible Packaged Units Roof Curb Compatibility**

| BAYCURB042 | | | BAYCURB043 | | | BAYCURB044 | | |
|---|---|---|---|---|---|---|---|---|
| T/YSC | T/YHC | WSC | T/YSC | T/YHC | WSC | T/YSC | T/YHC | WSC |
| 036A | 033A | 036A | 072A | 072A | 072A | | 092E | 120E |
| 048A | 036A | 048A | 090A | 092A | 090A | | 102E | |
| 060A | 043A | 060A | 092A | 102A | 120A | | 120E | |
| 036E | 048A | 036E | 102A | 120A | 060E | | | |
| 048E | 060A | 048E | 120A | 048E | 072E | | | |
| 060E | 063A | | 072E | 060E | 090E | | | |
| | 036E | | 090E | 072E | | | | |
| | | | 092E | 092E* | | | | |
| | | | 102E | 102E* | | | | |
| | | | 120E | 120E* | | | | |

\* = This curb is used for retrofit or replacement applications only for these units.

**Table AC/IN-2-B — 12½-25 Ton Packaged Units Roof Curb Compatibility Reference for Packaged Units Manufactured Prior to 2002**

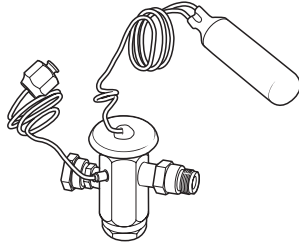| BAYCURB021A/B | | | BAYCURB022A/B | | | BAYCURB025A/B | | | BAYCURB026A/B | | | BAYCURB027A/B | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YCD | TCD | WCD | YCD | TCD | WCD | YCD | TCD | WCD | YCD | TCD | WCD | YCD | TCD | WCD |
| 036A | 036C | 036C | 061C | 061C | 075A | 102A | 102A | 120A | 121C | 121C | 150A | 181B | 181B | 240A |
| 036C | 037C | 048C | 074C | 074C | 075C | 102B | 102B | 120B | 150A | 150A | 150B | 181C | 181C | 240B |
| 037C | 048C | 060C | 075A | 075A | 090A | 103B | 103B | | 150B | 150B | 180A | 210A | 210A | 150E |
| 048A | 049C | | 075B | 075B | 090C | 103C | 103C | | 150D | 150D | 180B | 210B | 210B | 180E |
| 048C | 060C | | 075C | 075C | | 120A | 120A | | 151B | 151B | | 211B | 211B | 240E |
| 049C | | | 086C | 086C | | 120B | 120B | | 151C | 151C | | 211C | 211C | |
| 060A | | | 090A | 090A | | 121B | 121B | | 180A | 180A | | 240A | 240A | |
| 060C | | | 090B | 090B | | 150C | 150C | | 180B | 180B | | 240B | 240B | |
| | | | 090C | 090C | | | | | 210C | 210C | | 241B | 241B | |
| | | | 090D | 090D | | | | | 150E | 150E | | 241C | 241C | |
| | | | 091D | 091C | | | | | | | | 300B | 300B | |
| | | | 102C | 091D | | | | | | | | 301C | 301C | |
| | | | 120C | 102C | | | | | | | | 180E | 180E | |
| | | | | 120C | | | | | | | | 210E | 210E | |
| | | | | | | | | | | | | 211E | 211E | |
| | | | | | | | | | | | | 240E | 240E | |
| | | | | | | | | | | | | 241E | 241E | |
| | | | | | | | | | | | | 300E | 300E | |
| | | | | | | | | | | | | 151E | 151E | |
| | | | | | | | | | | | | 181E | 181E | |
| | | | | | | | | | | | | 301E | 301E | |

**General Notes:**

① If ordering Thru-The-Base options, the curb must be an April 1994 to present model curb to allow Thru-The-Base connections. The older curb models do not allow for these connections. The units will still fit the curb, but the Thru-The-Base connections will not be available.

② **TCD036A, TCD048A, TCD060A, WCD036A, WCD048A, WCD060A** are not 12½-25 Ton units. These units were manufactured in Ft.Smith, AR and will not fit any 12½-25 Ton curbs.

③ All horizontal 3-7½ ton, all horizontal 102C, and all horizontal 120C units will fit the downflow curbs, but BAYINSL101A kit must be installed across the bottom of the evaporator section of the unit to prevent condensate leakage into the space.

④ If another manufacturers curb was used initially, the adapter curb may not fit.

**Table AC/IN-2-C — Convertible 3-10 Ton Curb Adapters**

| Model Number | Description |
|---|---|
| BAYQACB009A | Quick Adapt Roof Curb Converts BAYCURB021 to Convertible 3 - 5 Ton |
| BAYQACB010A | Quick Adapt Roof Curb Converts BAYCURB022 to Convertible 3 - 5 Ton |
| BAYQACB011A | Quick Adapt Roof Curb Converts BAYCURB022 to Convertible 6 - 10 Ton |
| BAYQACB012A | Quick Adapt Roof Curb Converts BAYCURB025 to Convertible 6 - 10 Ton |
| BAYQACB013A | Quick Adapt Roof Curb Converts BAYCURB026 to Convertible 6 - 10 Ton |
| BAYQACB044A | Quick Adapt Roof Curb Converts BAYCURB026 to BAYCURB027 |
| BAYQACB500A | Quick Adapt Roof Curb Converts CRRFCURB001A01 to BAYCURB042A |
| BAYQACB501A | Quick Adapt Roof Curb Converts CRRFCURB001A01 to BAYCURB043A |
| BAYQACB502A | Quick Adapt Roof Curb Converts CRRFCURB001A03 to BAYCURB043A |

**Note:** If another manufacturers curb was used initially, the adapter curb may not fit

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

# Thermal Expansion Valves

**Expansion Valve TXV
Cooling/Heat Pump Kit**

**General Information**
This Thermostatic Expansion Valve Kit may be used on any indoor air handler or coil that is equipped with a current thermostatic expansion valve with an internal check valve and mechanical fittings This kit can be used on split system heat pumps and air conditioning systems.

Thermostatic Expansion Valve Kits can be field installed to fit a variety of sizes and combinations of air handlers or coils and outdoor units to optimize performance.

This TXV kit will normally be used when a different refrigerant is going to be used in the air handler or coil than what is indicated on the unit name plate. The TXV type must always match the refrigerant type used in the outdoor unit.

**Kit Identification**
The first character in the kit model number indicates the type of refrigerant that the valve can be used with. Example a 2AYTXVH3D1830A is an R-22 valve.

The "3" in the eighth digit in the model number identifies the valve as a non-bleed TXV. When this TXV kit is installed with an outdoor unit that contains a reciprocating compressor, the outdoor unit must be equipped with a hard start kit if not factory installed. If the outdoor unit contains a scroll compressor, the installation of a hard start kit may be required.

**Inspection**
Check carefully for any shipping damage. Any such damage must be reported and claims made against the transportation company immediately. Any missing parts should be reported to your supplier at once and replaced with authorized parts only.

**Table AC/IN-3-A Cooling/Heat Pump Non-Bleed TXV Kits- Dual Direction Flow-TXA/C-BC Coils**

| R-410 Model Number | R-22 Model Numbers | Used With 13 SEER Coils |
|---|---|---|
| 4AYTXVH3D1831A | 2AYTXVH3C1818A | 2/4TXC,TXA018 |
| 4AYTXVH3D1831A | 2AYTXVH3C2425A | 2/4TXC,TXA024,025 |
| 4AYTXVH3D1831A | 2AYTXVH3C3031A | 2/4TXC,TXA031 |
| 4AYTXVH3D3343A | — | 4TXC,4TXA-032 |
| 4AYTXVH3D3343A | 2AYTXVH3C3337A | 2/4TXC,TXA036,037 |
| 4AYTXVH3D3343A | 2AYTXVH3C4243A | 2/4TXC,TXA042,043 |
| 4AYTXVH3D4863A | — | 4TXC,4TXA-044 |
| 4AYTXVH3D4863A | 2AYTXVH3C4850A | 2/4TXC,TXA048,049,050 |
| 4AYTXVH3D4863A | 2AYTXVH3C5463A | 2/4TXC,TXA060,061,064 |

**Table AC/IN-3-B Cooling/Heat Pump Non-Bleed TXV Kits- Dual Direction Flow**

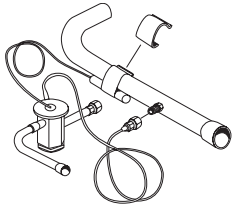| R-410 Model Number | R-22 Model Number | Used With Horizontal Flat Coils |
|---|---|---|
| 4AYTXVH3D1831A | 2AYTXVH3C1818A | 2/4TXF-018 |
| 4AYTXVH3D3343A | 2AYTXVH3C3337A | 2/4TXF-033 |
| 4AYTXVH3D3343A | 2AYTXVH3C4243A | 2/4TXF-041 |
| 4AYTXVH3D4863A | 2AYTXVH3C5463A | 2/4TXF-054 |
| 4AYTXVH3D4863A | 2AYTXVH3C5463A | 2/4TXF-063 |

**Table AC/IN-3-C Cooling/Heat Pump Non-Bleed TXV Kits- Dual Direction Flow-TXA/C-AS Coils**

| R-410 Model Number | R-22 Model Number | Used With AS Aluminum Coils |
|---|---|---|
| 4AYTXVH3B2531A | 2AYTXVH3B2531A | 2/4TXA,TXC-025 |
| 4AYTXVH3B2531A | 2AYTXVH3B2531A | 2/4TXA,TXC-031 |
| 4AYTXVH3B3654A | 2AYTXVH3B3637A | 2/4TXA,TXC-036 |
| 4AYTXVH3B3654A | 2AYTXVH3B3637A | 2/4TXA,TXC-037 |
| 4AYTXVH3B3654A | 2AYTXVH3B5454A | 2/4TXA,TXC-054 |
| 4AYTXVH3B6165A | 2AYTXVH3B6565A | 2/4TXA,TXC-065 |

**Table AC/IN-3-D Cooling/Heat Pump Non-Bleed TXV Kits- Dual Direction Flow**

| R-410 Number | R-22 Numbers | Used With Air Handlers |
|---|---|---|
| 4AYTXVH3D1830A | 2AYTXVH3D1830A | 2TFB-018-030 |
| 4AYTXVH3D1831A | 2AYTXVH3D1830A | 2TFB-036 |
| 4AYTXVH3D1831A | 2AYTXVH3D1830A | 2/4TFE-025 |
| | | |
| 4AYTXVH3D1831A | 2AYTXVH3D1830A | 2/4TEC-018-030 |
| — | 2AYTXVH3D3636A | 2/4TEC-036 |
| 4AYTXVH3D3642A | — | 2/4TEC-036-042 |
| — | 2AYTXVH3D4260A | 2/4TEC-042-060 |
| 4AYTXVH3D4863A | — | 2/4TEC-048-060 |
| | | |
| 4AYTXVH3D1831A | 2AYTXVH3D1830A | 2/4TEH-018-030 |
| — | 2AYTXVH3D3636A | 4TEH-036 |
| 4AYTXVH3D3642A | — | 2TEH-036-042 |
| — | 2AYTXVH3D4260A | 4TEH-042-060 |
| 4AYTXVH3D4863A | — | 2TEH-048-060 |
| | | |
| 4AYTXVH3D1800A | 2AYTXVH3D1830A | 2/4TGB-018 |
| 4AYTXVH3D1830A | 2AYTXVH3D1830A | 2/4TGB-025 |
| 4AYTXVH3D1831A | 2AYTXVH3D1830A | 2/4TGB-030 |
| 4AYTXVH3D3600A | 2AYTXVH3D1830A | 2/4TGB-036 |
| 4AYTXVH3D3343A | 2AYTXVH3D4260A | 2/4TGB-042 |
| 4AYTXVH3D4863A | 2AYTXVH3D4260A | 2/4TGB-048 |
| | | |
| 4AYTXVH3D3642A | 2AYTXVH3D4260A | 2/4TEE-039 |
| 4AYTXVH3D4863A | 2AYTXVH3D4260A | 2/4TEE-048-064 |

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

# Thermal Expansion Valves



**Expansion Valve TXV Cooling Kit**



**Expansion Valve TXV Heat Pump Kit\***

### Table AC/IN-4-A — Cooling Bleed TXV Kits – Single Direction Flow

| Model Number | Used With AC Units | Liquid Line Connection Dia. I.D. (In.) | Gas Line Connection Dia. I.D. (In.) | Shipping Weight (lbs.) | Refrigerant |
|---|---|---|---|---|---|
| TAYTXVA0B5C | 1-1½ Ton | $1/4$ | $5/8$ | 2 | R-22 |
| TAYTXVA0C5C | 2-2½ Ton | $5/16$ | $3/4$ | 2 | R-22 |
| TAYTXVA0E5C | 3-3½ Ton | $3/8$ | $7/8$ | 2 | R-22 |
| TAYTXVA0G5C | 4 Ton | $3/8$ | $1 1/8$ | 2 | R-22 |
| TAYTXVA0H5C | 5-6 Ton | $3/8$ | $1 1/8$ | 2 | R-22 |

### Table AC/IN-4-B — Cooling Non-Bleed TXV Kits – Single Direction Flow

| Model Number | Used With AC Units | Liquid Line Connection Dia. I.D. (In.) | Gas Line Connection Dia. I.D. (In.) | Shipping Weight (lbs.) | Refrigerant |
|---|---|---|---|---|---|
| TAYTXVA0B3C | 1-1½ Ton | $1/4$ | $5/8$ | 2 | R-22 |
| TAYTXVA0C3C | 2-2½ Ton | $5/16$ | $3/4$ | 2 | R-22 |
| TAYTXVA0E3C | 3-3½ Ton | $3/8$ | $7/8$ | 2 | R-22 |
| TAYTXVA0G3C | 4 Ton | $3/8$ | $1 1/8$ | 2 | R-22 |
| TAYTXVA0H3C | 5-6 Ton | $3/8$ | $1 1/8$ | 2 | R-22 |

### Table AC/IN-4-C — Heat Pump Non- Bleed TXV Kits (also for cooling) – Dual Direction Flow

| Model Number | Used With AC Units | Liquid Line Connection Dia. I.D. (In.) | Gas Line Connection Dia. I.D. (In.) | Shipping Weight (lbs.) | Refrigerant |
|---|---|---|---|---|---|
| TAYTXVH0B3C | 1-1½ Ton | $1/4$ | $5/8$ | 3 | R-22 |
| TAYTXVH0C3C | 2-2½ Ton | $5/16$ | $3/4$ | 3 | R-22 |
| TAYTXVH0E3C | 3-3½ Ton | $3/8$ | $7/8$ | 3 | R-22 |
| TAYTXVH0G3C | 4 Ton | $3/8$ | $1 1/8$ | 3 | R-22 |
| TAYTXVH0H3C | 5-6 Ton | $3/8$ | $1 1/8$ | 3 | R-22 |

### Table AC/IN-4-D— Cooling/Heat Pump Non-Bleed TXV Kits - Dual Direction Flow\*

| Model Number | Used With AC Units | Liquid Line Connection Dia. I.D. (In.) | Gas Line Connection Dia. I.D. (In.) | Shipping Weight (lbs.) | Refrigerant |
|---|---|---|---|---|---|
| TAYTXVH0D3C | 2½ -3 Ton | $3/8$ | $1 1/8$ | 2 | R-22 |
| TAYTXVH0G3C | 4-5 Ton | $3/8$ | $1 1/8$ | 2 | R-22 |

### Table AC/IN-4-E— R-410A Heat Pump Non-Bleed TXV Kits (also for cooling) - Dual direction flow

| Model Number | Used With HP/AC Units | Liquid Line Connection Dia. I.D. (In.) | Gas Line Connection Dia. I.D. (In.) | Shipping Weight (lbs.) | Refrigerant |
|---|---|---|---|---|---|
| 4AYTXVH3A1830A | 1½-2½ Ton | $5/16$ ① | $3/4$ ② | 2 | R-410A |
| 4AYTXVH3A3654A | 3-4 Ton | $3/8$ | $7/8$ ③ | 2 | R-410A |
| 4AYTXVH3A6060A | 5 Ton | $3/8$ | $7/8$ | 2 | R-410A |

① 1 1/2 ton requires 1/4" liquid line; reducer fittings provided.
② 1 1/2 ton requires 1/2 " suction line, 2 ton requires 5/8; reducer fittings provided.
③ 3 & 3 1/2 ton requires 3/4" suction line; reducer fitting provided.

\*   Used with TXH coils only where approved for use with 2 compressor systems.



**Notes:**

• Use in place of FCCV (Above) on air handlers and coils
• Match TXV kit size to outdoor nominal cooling capacity
• Braze field connections

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

AC/IN-4

Effective 1/1/13
14-1011-29
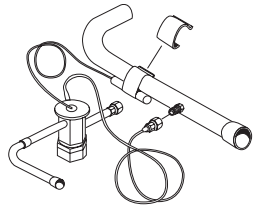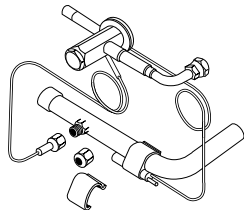
# American Standard
## HEATING & AIR CONDITIONING
# Equipment Date Identification

**1980 – 2009**

The nine digit serial numbers on all American Standard central air conditioning and heating products are employed to identify the year and fiscal week of product manufacture.

| | | |
|---|---|---|
| Year of manufacture ............................ | First digit.................................... | **M**124X04CF |
| Fiscal week of manufacture................. | Second and third digit ............... | M**12**4X04CF |
| Day of week of manufacture............... | Fourth digit ............................... | M12**4**X04CF |
| Consecutive order of production ......... | Last Five digits ......................... | M124**X04CF** |

**Exception** – Accessories are an exception to the <u>nine</u> <u>digit</u> serial number assignment and may have only <u>three</u> <u>digits</u> to indicate date code. Coils which have only three digits to indicate date code are an exception to the nine digit serial number assignment.

| Year | Residential, ID & OD① Light Commercial Products & Compressors | Ducane Oil① Horizontal Gas Furnaces② | Year | Residential, ID & OD① Light Commercial Products & Compressors | Ducane Oil① Horizontal Gas Furnaces② |
|---|---|---|---|---|---|
| 1980 | O, A | L | 1997 | M | 97 |
| 1981 | T | M | 1998 | N | 98 |
| 1982 | U | N | 1999 | P | 99 |
| 1983 | W | 9 | 2000 | R | — |
| 1984 | X | Q | 2001 | Z | — |
| 1985 | Y | 85 | 2002 | 2 | — |
| 1986 | S | 86 | 2003 | 3 | — |
| 1987 | B | 87 | 2004 | 4 | — |
| 1988 | C | 88 | 2005 | 5 | — |
| 1989 | D | 89 | 2006 | 6 | — |
| 1990 | E | 90 | 2007 | 7 | — |
| 1991 | F | 91 | 2008 | 8 | — |
| 1992 | G | 92 | 2009 | 9 or 09 | — |
| 1993 | H | 93 | 2010 | 10 | — |
| 1994 | J | 94 | 2011 | 11 | — |
| 1995 | K | 95 | 2012 | 12 | — |
| 1996 | K | 96 | 2013 | 13 | — |

① **Beginning with 1/1/96 (L01) Ducane oil furnace production uses same date code method as gas furnace. Prior to 1/1/96 Ducane serial number used last four digits = date code**, example HA1234569540 1995, 40th week.

Example:  123456-**8 5 4 0**

Year of manufacture ⎯⎯⎯⎯⎯⎯⎯ Fiscal week of manufacture

② **Dedicated horizontal gas furnaces, production ceased after introduction of convertible furnaces.**

**2010**

| Digit | Description | Current Digit Value Options |
|---|---|---|
| 1ST | Second to Last integer of the current calendar year | 1 through 9 and blank space, Blank Space used when 0 (zero) |
| 2ND | Last integer of the current calendar year | 0 through 9 |
| 3RD | Fiscal Week (Tens numeral) | 0 through 5 |
| 4TH | Fiscal Week (Units numeral) | 0 through 9 |
| 5TH | Day of the Week | 1 through 7 |
| 6TH | Time Stamp | A through Z and 0 through 9, excluding I, O, Q, V, Y, and Z |
| 7TH | Time Stamp | A through Z and 0 through 9, excluding I, O, Q, V, Y, and Z |
| 8TH | Time Stamp | A through Z and 0 through 9, excluding I, O, Q, V, Y, and Z |
| 9TH | Assembly Line Designator | A through Z and 0 through 9, excluding I, O, Q, V, Y, and Z |
| 10TH | Plant Code | A, D, F, G, H, V, Y, X |

| Plant Codes: (starting around 1995) |
|---|
| A = Monterrey |
| D = Springhill, LA (used to be the last character of a 10 digit serial on Ft. Smith products when they were sold commercially back in the late 1980's) |
| F = Tyler, TX |
| G = Trenton, NJ |
| H = Ft. Smith, AR |
| L = Lynn Haven, FL |
| V = Vidalia, GA |
| X = Sourced products |

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

AC/IN-5

Effective 1/1/13
14-1011-29

Accessories/Information

# Refrigerant Line Sets

**Table AC/IN-6-A — Refrigerant Line Sets**

| Model Number | Gas Line[1][2] Dia. O.D. | Liquid Line Dia. O.D. | Length | Shipping Weight |
|---|---|---|---|---|
| TAYREFLN325 | $7/8$ | $3/8$ | 25 | 20 |
| TAYREFLN330 | $7/8$ | $3/8$ | 30 | 24 |
| TAYREFLN340 | $7/8$ | $3/8$ | 40 | 30 |
| TAYREFLN350 | $7/8$ | $3/8$ | 50 | 39 |
| TAYREFLN725 | $3/4$ | $3/8$ | 25 | 19 |
| TAYREFLN730 | $3/4$ | $3/8$ | 30 | 22 |
| TAYREFLN740 | $3/4$ | $3/8$ | 40 | 28 |
| TAYREFLN750 | $3/4$ | $3/8$ | 50 | 35 |
| TAYREFLN950 | $5/8$ | $3/8$ | 50 | 30 |

[1] Gas line 90° bend one end.
[2] Gas line insulation 1/2" thickness.
**Note:** Contains a holding charge of Nitrogen.

Accessories/Information

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

# Refrigerant HFC 410A (R-410A)
## Tables contain <u>no allowances</u> for vertical lift!

American Standard®
HEATING & AIR CONDITIONING

**Table AC/IN-7-A — Liquid Line Selection Table for R-410A Single Speed Systems**

Maximum Allowable Liquid Line Pressure Drop ............................................................. = | 50 PSI

Subtract .43 PSI for each foot of Liquid Lift (if any) ............................................................ | 

Do Not Exceed this value when selecting Liquid Line. ............................................................ | 

| Tube O.D. | Rated BTUH | Pressure Drop (PSI) For Total Equivalent Length | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 20' | 40' | 60' | 80' | 100' | 120' | 140' | 160' | 180' | 200' | 220' | 240' |
| 1/4" | 15000 | 4.5 | 9.0 | 13.6 | 18.1 | 22.6 | 27.1 | 31.6 | 36.2 | 40.7 | 45.2 | 49.7 | — |
| | 18000 | 6.3 | 12.6 | 18.8 | 25.1 | 31.4 | 37.7 | 44.0 | — | — | — | — | — |
| | 24000 | 15.4 | 30.8 | 46.2 | — | — | — | — | — | — | — | — | — |
| 5/16" | 15000 | 1.2 | 2.4 | 3.5 | 4.7 | 5.9 | 7.1 | 8.3 | 9.4 | 10.6 | 11.8 | 13.0 | 14.2 |
| | 18000 | 1.6 | 3.3 | 4.9 | 6.6 | 8.2 | 9.8 | 11.5 | 13.1 | 14.8 | 16.4 | 18.0 | 19.7 |
| | 24000 | 2.8 | 5.5 | 8.3 | 11.0 | 13.8 | 16.6 | 19.3 | 22.1 | 24.8 | 27.6 | 30.4 | 33.1 |
| | 30000 | 4.1 | 8.3 | 12.4 | 16.6 | 20.7 | 24.8 | 29.0 | 33.1 | 37.3 | 41.4 | 45.5 | 49.7 |
| | 36000 | 5.8 | 11.6 | 17.3 | 23.1 | 28.9 | 34.7 | 40.5 | 46.2 | — | — | — | — |
| | 42000 | 7.7 | 15.4 | 23.0 | 30.7 | 38.4 | 46.1 | — | — | — | — | — | — |
| 3/8" | 24000 | 1.0 | 1.9 | 2.9 | 3.8 | 4.8 | 5.8 | 6.7 | 7.7 | 8.6 | 9.6 | 10.6 | 11.5 |
| | 30000 | 1.4 | 2.9 | 4.3 | 5.8 | 7.2 | 8.6 | 10.1 | 11.5 | 13.0 | 14.4 | 15.8 | 17.3 |
| | 36000 | 2.0 | 4.0 | 6.1 | 8.1 | 10.1 | 12.1 | 14.1 | 16.2 | 18.2 | 20.2 | 22.2 | 24.2 |
| | 42000 | 2.7 | 5.3 | 8.0 | 10.6 | 13.3 | 16.0 | 18.6 | 21.3 | 23.9 | 26.6 | 29.3 | 31.9 |
| | 48000 | 3.4 | 6.8 | 10.2 | 13.6 | 17.0 | 20.4 | 23.8 | 27.2 | 30.6 | 34.0 | 37.4 | 40.8 |
| | 60000 | 5.1 | 10.3 | 15.4 | 20.6 | 25.7 | 30.8 | 36.0 | 41.1 | 46.3 | — | — | — |
| 1/2" | 42000 | .5 | 1.1 | 1.6 | 2.2 | 2.7 | 3.2 | 3.8 | 4.3 | 4.9 | 5.4 | 5.9 | 6.5 |
| | 48000 | .7 | 1.4 | 2.0 | 2.7 | 3.4 | 4.1 | 4.8 | 5.4 | 6.1 | 6.8 | 7.5 | 8.2 |
| | 60000 | 1.0 | 2.1 | 3.1 | 4.2 | 5.2 | 6.2 | 7.3 | 8.3 | 9.4 | 10.4 | 11.4 | 12.5 |

Note 1: A blank space indicates a pressure drop of over 50 PSI.
Note 2: Other existing sources of pressure drop, (solenoid valves, etc.) must be considered.
Note 3: A vertical run with a heat pump system always results in a liquid lift (heating or cooling).
Note 4: The smallest liquid line diameter that results in a total liquid line pressure drop of 50 PSI or less results in the most reliable system (fewer pounds of R-410A).
Note 5: It is recommended to place units where 1/2" liquid line is not required due to the increased refrigerant volume imposed by the larger liquid line.
Note 6: At the time this manual was printed all outdoor units were rated with 3/8" liquid line.

**Table AC/IN-7-B — Allowable Vapor Line Diameters and BTUH Loss (R-410A Single Speed Systems)**

| Nominal Tons | Tube O.D. (Inches) | Press. Drop PSI/100 Ft. | BTUH Loss For Equivalent Length | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 40' | 60' | 80' | 100' | 120' | 140' | 160' | 180' | 200' | 220' | 240' |
| 1.0 | 1/2 | 5.0 | 70 | 160 | 250 | 340 | 430 | 520 | 610 | 700 | 790 | 880 | 970 |
| | 5/8 | 1.5 | 20 | 50 | 73 | 100 | 130 | 155 | 180 | 210 | 235 | 265 | 290 |
| 1.5 | 1/2 | 10.8 | 173 | 410 | 640 | 875 | 1110 | 1340 | 1575 | 1810 | 2040 | 2275 | 2510 |
| | 5/8 | 3.1 | 50 | 120 | 185 | 250 | 320 | 385 | 450 | 520 | 585 | 655 | 720 |
| | 3/4 | 1.2 | 20 | 45 | 70 | 95 | 125 | 150 | 175 | 200 | 225 | 255 | 280 |
| 2.0 | 5/8 | 5.4 | 115 | 270 | 430 | 585 | 740 | 895 | 1050 | 1205 | 1360 | 1515 | 1670 |
| | 3/4 | 2.0 | 45 | 100 | 160 | 215 | 275 | 330 | 390 | 445 | 505 | 560 | 620 |
| 2.5 | 5/8 | 8.2 | 220 | 515 | 810 | 1110 | 1400 | 1695 | 1990 | 2290 | 2585 | 2880 | 3175 |
| | 3/4 | 3.0 | 80 | 190 | 295 | 405 | 515 | 620 | 730 | 840 | 945 | 1055 | 1160 |
| | 7/8 | 1.3 | 35 | 80 | 130 | 175 | 220 | 270 | 315 | 365 | 410 | 455 | 505 |
| 3.0 | 5/8 | 11.7 | 380 | 885 | 1390 | 1895 | 2400 | 2905 | 3410 | 3915 | 4425 | 4930 | — |
| | 3/4 | 4.3 | 140 | 325 | 510 | 700 | 880 | 1070 | 1255 | 1440 | 1625 | 1810 | 2000 |
| | 7/8 | 1.9 | 60 | 145 | 225 | 310 | 390 | 470 | 555 | 635 | 720 | 800 | 880 |
| 3.5 | 3/4 | 5.8 | 220 | 510 | 805 | 1095 | 1390 | 1680 | 1975 | 2265 | 2560 | 2850 | 3140 |
| | 7/8 | 2.5 | 95 | 220 | 345 | 475 | 600 | 725 | 850 | 975 | 1105 | 1230 | 1355 |
| 4.0 | 3/4 | 7.4 | 320 | 745 | 1170 | 1600 | 2025 | 2450 | 2875 | 3305 | 3730 | 4155 | 4580 |
| | 7/8 | 3.2 | 140 | 325 | 510 | 690 | 875 | 1060 | 1245 | 1430 | 1615 | 1795 | 1980 |
| | 1-1/8③ | .9 | 40 | 90 | 145 | 195 | 245 | 300 | 350 | 400 | 455 | 505 | 555 |
| 5.0 | 3/4 | 11.5 | 620 | 1450 | 2280 | 3105 | 3935 | 4760 | 5590 | 6415 | 7245 | 8073 | 8900 |
| | 7/8 | 4.9 | 265 | 615 | 970 | 1325 | 1675 | 2030 | 2380 | 2735 | 3080 | 3440 | 3795 |
| | 1-1/8 | 1.3 | 70 | 165 | 255 | 350 | 445 | 540 | 630 | 725 | 820 | 915 | 1005 |

Note 1: Shaded value indicates more than 10% capacity loss.
Note 2: Blank space indicates more than 15% capacity loss.
Note 3: Only approved for cooling units, do not use 1 1/8" vapor lines on heat pumps less than 5 ton.
Note 4: If linear length exceeds 150 feet, add 2 ounces of approved compressor oil per every 10 feet in excess of 150 feet. (Example: if the actual line length is 170 feet, add 4 ounces of oil to the system)

**This page contains limited data to fully determine if the application will work or to select required accessories.
Please refer to publication 14-4050-01 for complete details and examples.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

AC/IN-7

Effective 1/1/13
14-1011-29

Accessories/Information

**Accessories/Information**

**Table AC/IN-8-A — Allowable Vapor and Liquid Line Diameters for Multistage Split Systems**

| OD Unit nominal capacity | Rated Vapor Line OD | Vapor Service Valve OD | Minimum Alternative Vapor Line OD | Maximum Alternative Vapor Line OD | Rated Liquid Line OD | Liquid Service Valve OD | Minimum Alternative Liquid Line OD | Maximum Alternative Liquid Line OD |
|---|---|---|---|---|---|---|---|---|
| **Platinum XM** | | | | | | | | |
| 2 ton CLG | 5/8" | 5/8" | 5/8" | 3/4" | 5/16" | 5/16" | 5/16" | 3/8" |
| 3 ton CLG | 3/4" | 3/4" | 5/8" | 7/8" | 3/8" | 3/8" | 5/16" | 3/8" |
| 4 ton CLG | 7/8" | 7/8" | 3/4" | 7/8" | 3/8" | 3/8" | 3/8" | 3/8" |
| 5 ton CLG | 7/8" or 1 1/8" | 7/8" | 3/4" | 1 1/8" | 3/8" | 3/8" | 3/8" | 3/8" |
| 2 ton HP | 5/8" | 5/8" | 5/8" | 3/4" | 5/16" | 5/16" | 5/16" | 3/8" |
| 3 ton HP | 3/4" | 3/4" | 5/8" | 7/8" | 3/8" | 3/8" | 5/16" | 3/8" |
| 4 ton HP | 7/8" | 7/8" | 3/4" | 7/8" | 3/8" | 3/8" | 3/8" | 3/8" |
| 5 ton HP | 7/8" or 1 1/8" | 7/8" | 3/4" | 1 1/8" | 3/8" | 3/8" | 3/8" | 3/8" |
| **Platinum ZM** | | | | | | | | |
| 2 ton CLG | 3/4" | 5/8" | 5/8" | 3/4" | 3/8" | 3/8" | 5/16" | 3/8" |
| 3 ton CLG | 3/4" | 3/4" | 5/8" | 7/8" | 3/8" | 3/8" | 5/16" | 3/8" |
| 4 ton CLG | 7/8" | 3/4" | 3/4" | 7/8" | 3/8" | 3/8" | 3/8" | 3/8" |
| 5 ton CLG | 7/8" | 3/4" | 3/4" | 7/8" | 3/8" | 3/8" | 3/8" | 3/8" |
| 2 ton HP | 5/8" | 5/8" | 5/8" | 3/4" - 50 feet max length | 3/8" | 3/8" | 5/16" | 3/8" |
| 3 ton HP | 3/4" | 3/4" | 5/8" | 3/4" | 3/8" | 3/8" | 5/16" | 3/8" |
| 4 ton HP | 3/4" | 3/4" | 3/4" | 3/4" | 3/8" | 3/8" | 3/8" | 3/8" |
| 5 ton HP | 3/4" | 3/4" | 3/4" | 7/8" - 50 feet max length | 3/8" | 3/8" | 3/8" | 3/8" |

Two compressor models share the same refrigeration circuit, however, do not operate simultaneously. Therefore, it is crucial that refrigerant lines be properly sized and do not exceed the length set forth in this guide. Please note it is recommended to use the service valve connection size tubing.

**A. Limitations:**
1. Line length limits as shipped:
   A. Vapor line = 80 feet linear length / of the linear length, 25 feet may be installed vertical.
   B. Liquid line = 80 feet linear length / of the linear length, 25 feet may be installed vertical.

**B. Explanation:**
1. Refrigerant lines shall not exceed 80 feet total line length. / 25 feet of the 80 feet may be vertical.
   A. Liquid sub-cooling may not be achieved on second stage if the liquid line exceeds 80 feet.
   B. Oil return may be sacrificed during first stage operation if the vapor line exceeds 80 feet.

## Equivalent Length (Ft.) of Non-Ferrous Valves and Fittings (Brazed)

| O.D. Tube Size (Inches) | Globe Valve | Angle Valve | Short Radius Ell | Long Radius Ell | Tee Line Flow | Tee Branch Flow |
|---|---|---|---|---|---|---|
| 1/2* | 70 | 24 | 4.7 | 3.2 | 1.7 | 6.6 |
| 5/8 | 72 | 25 | 5.7 | 3.9 | 2.3 | 8.2 |
| 3/4 | 75 | 25 | 6.5 | 4.5 | 2.9 | 9.7 |
| 7/8 | 78 | 28 | 7.8 | 5.3 | 3.7 | 12.0 |
| 1-1/8 | 87 | 29 | 2.7 | 1.9 | 2.5 | 8.0 |
| 1-3/8 | 102 | 33 | 3.2 | 2.2 | 2.7 | 10.0 |
| 1-5/8 | 115 | 34 | 3.8 | 2.6 | 3.0 | 12.0 |

Information for this chart extracted by permission from A.R.I. Refrigerant Piping Data, page 28.
* For smaller sizes, use 1/2" values.

**This page contains limited data to fully determine if the application will work or to select required accessories.**
**Please refer to publication SS-APG006-EN for complete details and examples.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

AC/IN-8

Effective 1/1/13
14-1011-29

# 6-20 Ton Split Systems

### Table AC/IN-9-A — Cooling Component Selection Summary

| UNIT | TTA073D | TTA090D | TTA120D | TTA120E | TTA120F | TTA150E | TTA180E | TTA180F | TTA240E | TTA240F |
|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerant ckts | 1 | 1 | 1 | 2 | 1 (Manifold) | 2 | 2 | 1 (Manifold) | 2 | 1 (Manifold) |
| Minimum step (tons) | 6 | 7.5 | 10 | 5 | 5 | 6.25 | 7.5 | 7.5 | 10 | 10 |
| **GAS LINE** | | | | | **GAS LINE** | | | | | |
| Tube diameter (in.) | | | | | | | | | | |
| Horizontal (& drops) | 1 1/8 | 1 3/8 | 1 3/8 | 1 1/8 | 1 3/8 | 1 1/8 | 1 3/8 | 1 5/8 | 1 3/8 | 1 5/8 |
| Vertical (up) | 1 1/8 | 1 3/8 | 1 3/8 | 1 1/8 | 1 1/8 | 1 1/8 | 1 3/8 | 1 3/8 | 1 3/8 | 1 5/8 |
| Acess port 3/ckt | Schraeder valve w/ core* | Schraeder valve w/ core* | Schraeder valve w/ core* | Schraeder valve w/ core* | Schraeder valve w/ core* | Schraeder valve w/ core* | Schraeder valve w/ core* | Schraeder valve w/ core* | Schraeder valve w/ core* | Schraeder valve w/ core* |
| **LIQUID LINE** | | | | | **LIQUID LINE** | | | | | |
| Tube diameter (in.) | 1/2 | 5/8 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5/8 | 1/2 | 5/8 |
| Filter drier | DHY01123** | DHY01232** | DHY01123** | DHY01123** | DHY01123** | DHY01123** | DHY01123** | DHY01131** | DHY01123** | DHY01132** |
| Sight glass 1/ckt | GLS00853 | GLS00830 | GLS00853 | GLS00853 | GLS00853 | GLS00853 | GLS00853 | GLS00830 | GLS00853 | GLS00830 |
| Access port 2/ckt | Schraeder valve w/ core* | Schraeder valve w/ core* | Schraeder valve w/ core* | Schraeder valve w/ core* | Schraeder valve w/ core* | Schraeder valve w/ core* | Schraeder valve w/ core* | Schraeder valve w/ core* | Schraeder valve w/ core* | Schraeder valve w/ core* |

Check valve selections: 3/8 = VAL08459, 1/2 = VAL08460, 5/8 = VAL01722

### Table AC/IN-9-B — TWA Component Selection Summary

| UNIT | TWA073D | TWA090D | TWA120D | TWA180E | TWA240E |
|---|---|---|---|---|---|
| Refrigerant ckts | 1 | 1 | 1 | 2 | 2 |
| Minimum step (tons) | 6 | 7.5 | 10 | 7.5 | 10 |
| **GAS LINE** | | | | | |
| Tube diameter (in.) | | | | | |
| Horizontal (& drops) | 1 1/8 | 1 3/8 | 1 3/8 | 1 3/8 | 1 3/8 |
| Vertical (up) | 1 1/8 | 1 3/8 | 1 3/8 | 1 3/8 | 1 3/8 |
| Acess port 3/ckt | Schraeder valve w/core* | Schraeder valve w/core* | Schraeder valve w/core* | Schraeder valve w/core* | Schraeder valve w/core* |
| **LIQUID LINE** | | | | | |
| Tube diameter (in.) | 1/2 | 5/8 | 1/2 | 1/2 | 5/8 |
| Filter drier | DHY01123 (QTY 2)** | | DHY01123 (QTY 2)** | DHY01123 (QTY 2)** | DHY01123 (QTY 2)** |
| Sight glass 1/ckt | GLS00853 | GLS00830 | GLS00853 | GLS00853 | GLS00853 |
| Access port 2/ckt | Schraeder valve w/core* | Schraeder valve w/core* | Schraeder valve w/core* | Schraeder valve w/core* | Schraeder valve w/core* |

Check valve selections: 3/8 = VAL08459, 1/2 = VAL08460, 5/8 = VAL01722
*Valve body VALO1483, valve core COR00006, valve cap CAP00072.
**The heat pump products require two filters and two check valves: one set-oriented for liquid in the cooling direction, and one set-oriented for liquid in the heating direction. For units with line lengths in excess of 80 ft, the included filters must be removed and filters from the table must be installed close to the air handler.

### Table AC/IN-9-C — Expansion Valves for TTA/TWA 6-20 Ton Applications*

| Refrigerant | Manufacturer | Tonnage Range | Model Number | Part Number | Model Number w/ Check Valve | Part Number |
|---|---|---|---|---|---|---|
| R-410A | Sporlan | 2-3 | ERZE-2-ZGA | VAL09476 | RCZE-2.0-ZGA | VAL08085 |
| R-410A | Sporlan | 3-4 | ERZE-3-ZGA | VAL09477 | RCZE-3.0-ZGA | VAL08086 |
| R-410A | Sporlan | 4-5 | ERZE-4-ZGA | VAL09478 | RCZE-4.0-ZGA | VAL08087 |
| R-410A | Sporlan | 5-6 | ERZE-5-ZGA | VAL09479 | RCZE-5.0-ZGA | VAL08088 |
| R-410A | Sporlan | 6-8 | ERZE-6-ZGA | VAL09480 | RCZE-6.0-ZGA | VAL08089 |
| R-410A | Sporlan | 8-11 | ERZE-8-ZGA | VAL09481 | — | — |
| R-410A | Sporlan | 11-14 | ERZE-12½-ZGA | VAL09482 | — | — |
| R-410A | Sporlan | 14-17 | ERZE-15-ZGA | VAL09483 | — | — |
| R-410A | Sporlan | 17-23 | OZE-20-ZGA | VAL09485 | — | — |

**This page contains limited data to fully determine if the application will work or to select required accessories. Please refer to publication SS-APG009-EN for complete details and examples.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

AC/IN-9

Effective 1/1/13
14-1011-29

**Accessories/Information**

*American Standard*
HEATING & AIR CONDITIONING

Accessories/Information

**Figure 2. Allowable elevation difference: Cooling-only TTA *above* indoor unit**
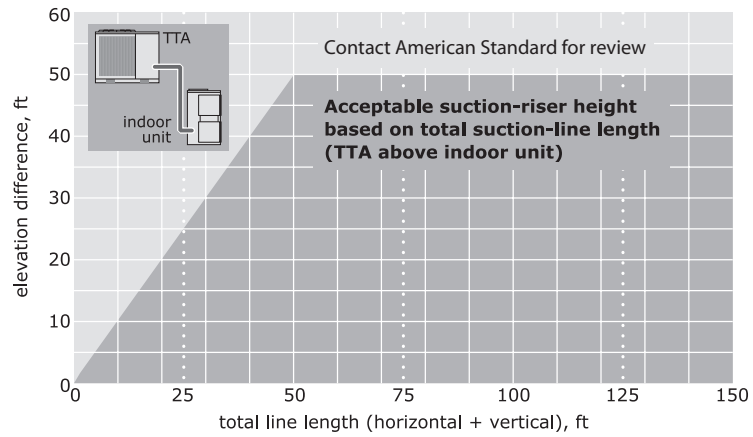


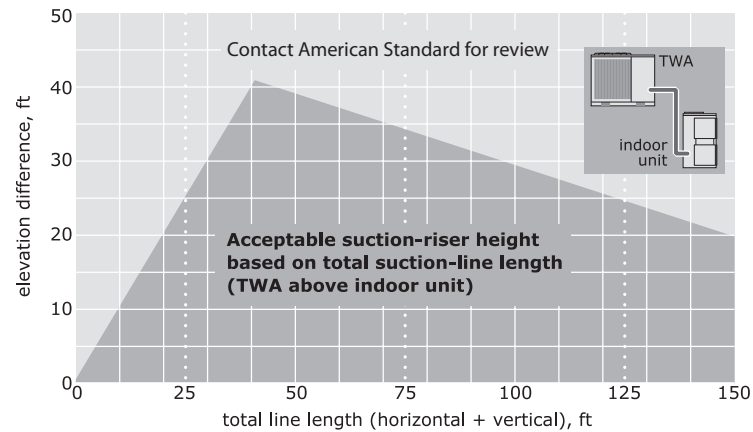**Figure 3. Allowable elevation difference: TWA heat pump *above* indoor unit**



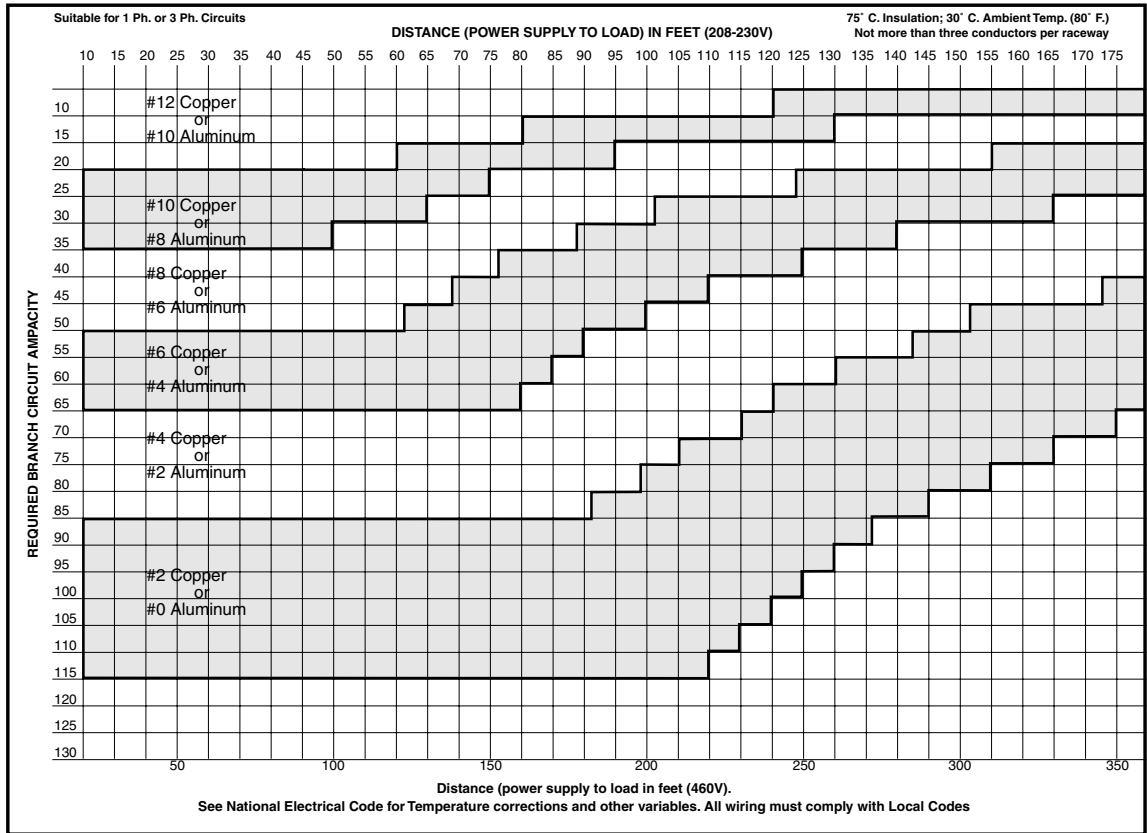**Figure 4. Allowable elevation difference: TTA or TWA *below* indoor unit**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

AC/IN-10

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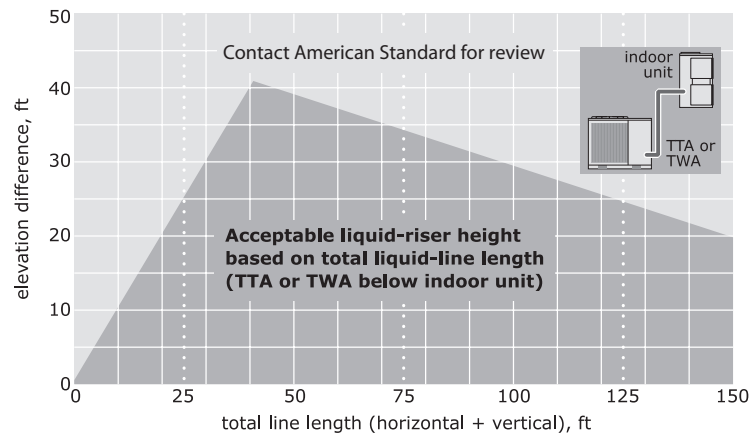
**BRANCH CIRCUIT WIRE SIZING TABLE**
(Based on 2% Voltage Drop)
Chart is based on 75° C. wire. (Types FEPW, RH, RHW, THHW, THW, THWN, XHHW, USE, AND ZW.)
Use Chart For Wire Sizing Only. Refer To Electrical Code, (Or Product Specs.) For Fuse Sizing

Suitable for 1 Ph. or 3 Ph. Circuits

**DISTANCE (POWER SUPPLY TO LOAD) IN FEET (208-230V)**

75° C. Insulation; 30° C. Ambient Temp. (80° F.)
Not more than three conductors per raceway

REQUIRED BRANCH CIRCUIT AMPACITY

#12 Copper or #10 Aluminum

#10 Copper or #8 Aluminum

#8 Copper or #6 Aluminum

#6 Copper or #4 Aluminum

#4 Copper or #2 Aluminum

#2 Copper or #0 Aluminum

Distance (power supply to load in feet (460V).
See National Electrical Code for Temperature corrections and other variables. All wiring must comply with Local Codes

Accessories/Information

## Heater De-Rating Chart

The output of electric heaters, applied at voltages other than the rated 240 or 480 volts, can be easily determined with the use of this chart.

**ELECTRIC HEATER DE-RATING CHART**
(for 240V or 480V Rated Heaters Installed on Lower Voltage Systems)

PERCENT OF RATED OUTPUT

APPLIED VOLTAGE
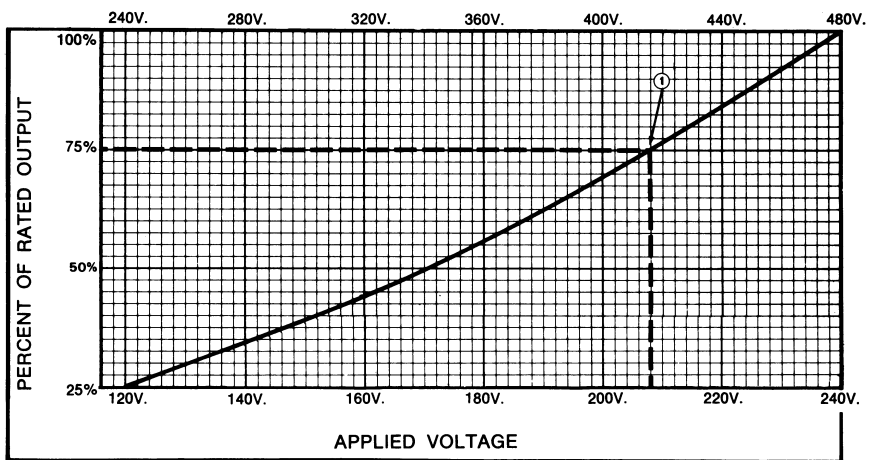
① EXAMPLE: Calculated Heat Loss — 29,200 BTUH      Power Supply — 208V.
The chart indicates that any 240V heater will deliver 75% of its rated capacity at 208V.

$$\frac{29{,}200 \text{ BTUH}}{.75} = 39{,}000 \text{ BTUH}$$

Select a heater having AT LEAST 39,000 BTUH capacity at 240V.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

AC/IN-11

Effective 1/1/13
14-1011-29

# American Standard
## HEATING & AIR CONDITIONING

# Basic Air Conditioning Formulas

## Basic Air Conditioning Formulas

| TO DETERMINE | EXPRESSED AS | COOLING | HEATING and/or HUMIDIFYING |
|---|---|---|---|
| **Total Airflow** | $CFM_T$ | 1. $CFM_T = \dfrac{N_T \, V}{60 \text{ min./hr.}}$ | 1. $CFM_T = \dfrac{N_T \, V}{60 \text{ min./hr.}}$ |
| **Infiltration or Ventilation** | $CFM_O$ | 2. $CFM_O = \dfrac{N_O \, V}{60 \text{ min./hr.}}$ | 2. $CFM_O = \dfrac{N_O \, V}{60 \text{ min./hr.}}$ |
| **Number of Air Changes Per Hour – Total** | $N_T$ | 3. $N_T = \dfrac{CFM_T \,(60 \text{ min./hr.})}{V}$ | 3. $N_T = \dfrac{CFM_T \,(60 \text{ min./hr.})}{V}$ |
| **Number of Air Changes Per Hour – Outdoor Air** | $N_O$ | 4. $N_O = \dfrac{CFM_O \,(60 \text{ min./hr.})}{V}$ | 4. $N_O = \dfrac{CFM_O \,(60 \text{ min./hr.})}{V}$ |
| **Total Heat ($H_T$)** | Btuh | 5. $H_T = CFM_T \times 4.5 \times (h_1 - h_2) = $ Btuh | 6. $H_T = CFM_T \times 4.5 \times (h_2 - h_1) = $ Btuh |
| **Sensible Heat ($H_S$)** | Btuh | 7. $H_S = CFM_T \times 1.08 \times (T_1 - T_2) = $ Btuh | 8. $H_S = CFM_T \times 1.08 \times (T_2 - T_1) = $ Btuh |
| **Latent Heat ($H_L$)** | Btuh | 9. $H_L = CFM_T \times .68 \times (W_1 - W_2) = $ Btuh | 10. $H_L = CFM_T \times .68 \times (W_2 - W_1) = $ Btuh |
| **Entering Air Temperature ($T_1$) (Mixed Air)** | °F. D.B. | 11. $T_1 = t_1 + \dfrac{CFM_O}{CFM_T} \times (t_2 - t_1) = $ °F.D.B. ① <br> ① If duct heat gain is a factor, add to $T_1$: <br> $\dfrac{\text{Duct Heat Gain (Btuh)}}{CFM_T \times 1.08}$ | 12. $T_1 = t_1 - \dfrac{CFM_O}{CFM_T} \times (t_1 - t_2) = $ °F.D.B. ② <br> ② If duct heat loss is a factor, subtract from $T_1$: <br> $\dfrac{\text{Duct Heat Loss (Btuh)}}{CFM_T \times 1.08}$ |
| **Leaving Air D.B. Temperature ($T_2$)** | °F. D.B. | 13. $T_2 = T_1 - \dfrac{H_S}{CFM_T \times 1.08} = $ °F.D.B. | 14. $T_2 = T_1 + \dfrac{H_S}{CFM_T \times 1.08} = $ °F.D.B. |
| **Required Airflow** | $CFM_T$ | 15. $CFM_T = \dfrac{H_S \text{ (total)}}{1.08 \times (T_1 - T_2)} = $ CFM <br> OR <br> $CFM_T = \dfrac{H_S \text{ (internal)}③}{1.08 \times (t_1 - T_2)} = $ CFM <br> ③ Sensible load of outside air not included | 16. $CFM_T = \dfrac{H_S}{1.08 \times (T_2 - T_1)} = $ CFM |
| **Enthalpy – Leaving Air ($h_2$)** | Btu/lb. dry air | 17. $h_2 = h_1 - \dfrac{H_T}{CFM_T \times 4.5} = $ Btu/lb. dry air | 18. $h_2 = h_1 + \dfrac{H_T}{CFM_T \times 4.5} = $ Btu/lb. dry air |
| **Leaving Air W.B. Temperature** | °F.W.B. | 19. Refer to Enthalpy Table and read W.B. temperature corresponding to enthalpy of leaving air ($h_2$) (see #17). | 20. Refer to Enthalpy Table and read W.B. temperature corresponding to enthalpy of leaving air ($h_2$) (see #18). |
| **Heat Required to Evaporate Water Vapor Added to Ventilation Air** | Btuh | 21. $H_L = CFM_O \times .68 \,(W_3 - W_O) = $ Btuh | 22. $H_L = CFM_O \times .68 \,(W_3 - W_O) = $ Btuh |
| **Humidification Requirements** | Lbs. water/hr. | 23. $\left(\begin{array}{c}\text{Make up} \\ \text{Moisture}\end{array}\right) = \dfrac{\text{Excess Latent Capacity of System} \times \% \text{ Run Time}}{1060 \text{ Btu/lb.}} = $ lbs./hr. <br> (Industrial Process Work) | 24. $\left(\begin{array}{c}\text{Make up} \\ \text{Moisture}\end{array}\right) = \dfrac{H_L \text{ loss Btuh (see #22)}}{1060 \text{ Btu/lb.}} = $ lbs./hr. |

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### LEGEND

| | | | |
|---|---|---|---|
| $CFM_T$ | = | Total airflow cubic feet/min. | |
| $CFM_O$ | = | Outdoor air cubic feet/min. | |
| $N_T$ | = | Total air changes per hour | |
| $N_O$ | = | Outdoor air, air changes per hour | |
| V | = | Volume of space cubic feet | |
| $H_T$ | = | Total heat Btuh | |
| $H_S$ | = | Sensible heat Btuh | |
| $H_L$ | = | Latent heat Btuh | |
| * $h_1$ | = | Enthalpy or total heat of entering air | Btu/lb. |
| * $h_2$ | = | Enthalpy or total heat of leaving air | Btu/lb. |
| $T_1$ | = | Temperature of entering air | |
| $T_2$ | = | Temperature of leaving air | |
| $T_{adp}$ | = | Apparatus dewpoint | °F.D.B. |
| $t_1$ | = | Indoor design temperature | °F.D.B. |
| $t_2$ | = | Outdoor design temperature | °F.D.B. |
| $W_1$ | = | Grains of water/lb. of dry air at entering condition | Grains/lb. |
| $W_2$ | = | Grains of water/lb. of dry air at leaving condition | Grains/lb. |
| $W_3$ | = | Grains of water/lb. of dry air at indoor design conditions | Grains/lb. |
| $W_O$ | = | Grains of water/lb. of dry air at outdoor design conditions | Grains/lb. |

\* See Enthalpy of air (Total Heat Content of Air) Table for exact values.

### DERIVATION OF AIR CONSTANTS

The air constants below apply specifically to standard air which is defined as dry air at 70°F and 14.7 P.S.I.A. (29.92 in. mercury column). They can, however, be used in most cooling calculations unless extremely precise results are desired.

4.5 (To convert CFM to lbs./hr.)

$4.5 = \dfrac{60 \text{ min./hr.}}{13.33}$ or 60 X .075

Where 13.33 is the specific volume of standard air (cu.ft./lb.) and .075 is the density (lbs./cu.ft.)

$1.08 = \dfrac{.24 \text{ X } 60}{13.33}$ or .24 X 4.5

.24 BTU = specific heat of standard air (BTU/LB/°F)

$.68 = \dfrac{60}{13.33} \text{ X } \dfrac{1060}{7000}$ or 4.5 X $\dfrac{1060}{7000}$

Where: 1060 = Average Latent Heat of water vapor (BTU/LB.).

7000 = Grains per lb.

Accessories/Information

# Low Ambient Accessories Cooling and Heating Models

**Table AC/IN-13-A — Low Ambient Accessories Cooling Models**

| | Low Ambient Accessory For American Standard Residential Cooling Units | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Cooling Unit** | **55°F** | **30°F to 55°F** | | | | **0°F to 30° or 20°F to 30°F - Please Reference Lowest Approved Outdoor Operating Temperature per Model Family Table** | | | | | | |
| | As Manufactured | AY28X079 | TXV-NB | CCHT | BAYACHP024 | BAYLOAM103 | AY28X079 | TXV-NB | Start Kit | Compressor Crankcase Heater | Windshield | Liquid Line Solenoid Valve |
| 4A7C3① | X | X | X | — | — | X | X | X | N/A | — | X | X |
| 4TTB3/4A7B3① | X | X | X | X | — | X | X | X | X | X | X | X |
| 4A7B4018-060① | X | X | X | X | — | X | X | X | X | X | X | X |
| 4A7A3② | X | X | X | X | — | X | X | X | X | X | X | X |
| 4A7A5018-060② | X | X | X | X | — | X | X | X | X | X | X | X |
| 4A7A6④ | X | X | X | X | — | Not Approved | | | | | | |
| 4A7Z0③ | X | Not Approved | | | | Not Approved | | | | | | |

**Table AC/IN-13-B — Low Ambient Accessories Heating Models**

| | Low Ambient Accessory For American Standard Residential Heat Pump Units | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Heat Pump Unit** | **55°F** | **30°F to 55°F** | | | | **0°F to 30° or 20°F to 30°F - Please Reference Lowest Approved Outdoor Operating Temperature per Model Family Table** | | | | | | |
| | As Manufactured | AY28X079 | TXV-NB | CCHT | BAYACHP024 | BAYLOAM103 | AY28X084 | TXV-NB | Start Kit | Compressor Crankcase Heater | Windshield | Liquid Line Solenoid Valve |
| 4A6C3① | X | X | X | X | — | X | X | X | N/A | — | X | — |
| 4TWB3/4A6B3① | X | X | X | X | — | X | X | X | X | X | X | — |
| 4A6B4① | X | X | X | X | — | X | X | X | X | X | X | — |
| 4A6H5018-060② | X | X | X | X | — | X | X | X | X | X | X | — |
| 4A6H3② | X | X | X | X | — | X | X | X | X | X | X | — |
| 4A6H6④ | X | X | X | X | — | Not Approved | | | | | | |
| 4A6Z0③ | X | Not Approved | | | | Not Approved | | | | | | |

Charts are for quick reference only. For complete application guidelines, consult the specific SSC-APG***.
① Reference AMSSP-APG001-EN for complete Low Ambient Guidelines.
② Reference AMSSP-APG002-EN for complete Low Ambient Guidelines.
③ Reference SSC-APG008-EN for complete Low Ambient Guidelines.
④ Reference APP-APG014-EN.

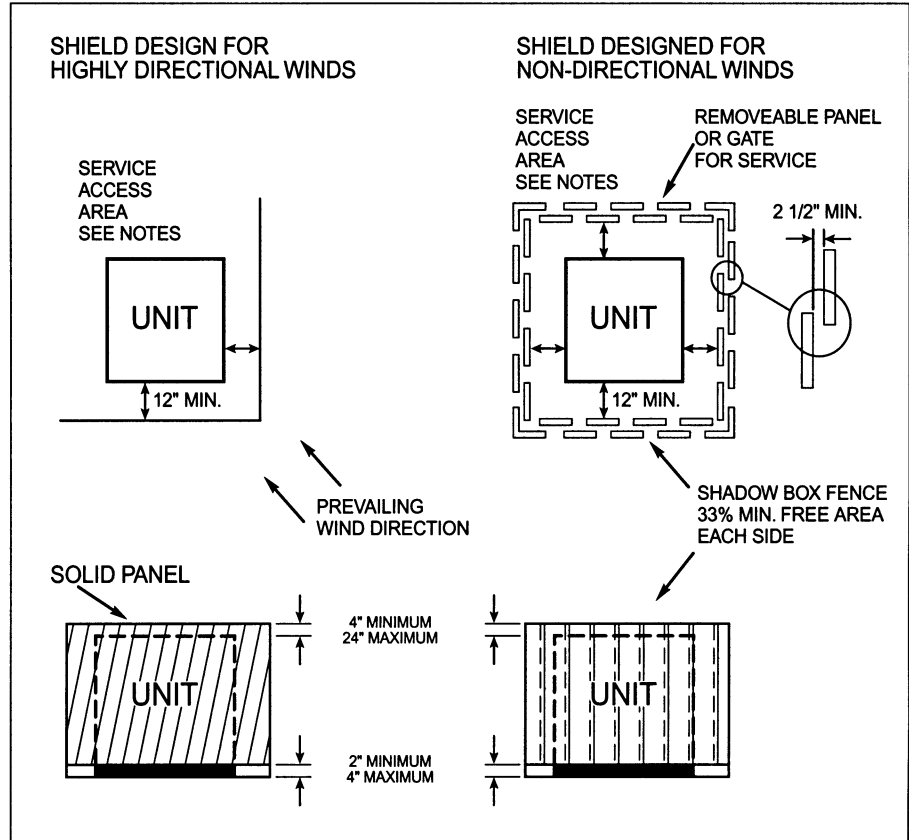| Lowest Approved Outdoor Operating Temperature for Cooling Operation per Model Family Table | |
|---|---|
| **Model Family** | **Lowest Approved OD Ambient** |
| 4A7Z0/4A6Z0 | 55°F |
| 4A7A6/4A6H6 | 30°F |
| 4A7A5018-060/4A6H5 | 20°F |
| 4A7A3/4A6H3 | 0°F |
| 4A7B4018-060/4A6B4 | 20°F |
| 4TTB3/4A7B3/4TWB3/4A6B3 | 0°F |
| 4A7C3/4A6C3 | 0°F |

**For a detailed Application Bulletin on required accessories and wind shields for low outdoor ambient operation, please contact your Territory Manager or Local FSR.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Accessories/Information

# Wind Shields

Wind Shields are required to block prevailing winds across condenser coil. In applications where cooling operation is required to 0°F, wind shields are a Must. Use the following guidelines for your application.



SHIELD DESIGN FOR
HIGHLY DIRECTIONAL WINDS

SHIELD DESIGNED FOR
NON-DIRECTIONAL WINDS

SERVICE ACCESS AREA SEE NOTES

SERVICE ACCESS AREA SEE NOTES

REMOVEABLE PANEL OR GATE FOR SERVICE

2 1/2" MIN.

UNIT

UNIT

12" MIN.

12" MIN.

PREVAILING WIND DIRECTION

SHADOW BOX FENCE 33% MIN. FREE AREA EACH SIDE

SOLID PANEL

UNIT

4" MINIMUM
24" MAXIMUM

2" MINIMUM
4" MAXIMUM

UNIT

Notes:
Minimum working clearance must be in compliance with the National Electric Code. Currently, the minimum clearance between a wood or suitable grounding material type fence requires minimum 3 feet. If other material is used to form the windshield, the minimum space may be increased to 3.5 feet. Please consult the 2006 Edition of the National Electric Code, Article 110 for the most up to date information, please refer to the most current National Electric Code.

**For a detailed Application Bulletin on required accessories and wind shields for low outdoor ambient operation, please contact your Territory Manager or Local FSR.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

AC/IN-14

Effective 1/1/13
14-1011-29

Accessories/Information

## 1GX - 2GX Water Source Heat Pumps

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|
| A | 1 | G | X | 0 | 2 | 2 | T | R | R | 1 | 0 | C | 0 |

**Brand**
A = American Standard

**\*Compressor Type**
1 = Single Stage Compressor
2 = Two Stage Compressor

**Product Category**
G = Geothermal

**Product Type**
X = Premium Packaged System (Water-to-Air)

**Nominal BTU's**
Thousands of BTU's

**\*Discharge Air Configuration**
T = Top (Vertical)
B = Bottom (Vertical)
E = End (Horizontal)
S = Side (Horizontal)
R = Rear (Vertical 042-072 Only)

**\*Return Air Configuration**
L = Left
R = Right

**Heating and/or Cooling**
R = Heating and Cooling

**Voltage/Frequency/Phases**
1 = 208-230/60/1

**\*Hot Water Options**
0 = No Hot Water, No GeoStart
1 = Hot Water Generator with factory installed pump, No GeoStart
3 = No Hot Water, GeoStart
4 = Hot Water Generator with factory installed pump, GeoStart

**\*Coax Options**
C = Copper
N = Cupronickel

**\*Blower Motor Options**
0 = PSC
1 = ECM Blower
2 = Oversized ECM Blower Option (036, 038, 042, 048, 049 Only)
3 = Oversized PSC Blower Option (022, 030, 036, 042, 048 Only)

**Capacities**
Single = 022, 030, 036, 042, 048, 060, 070
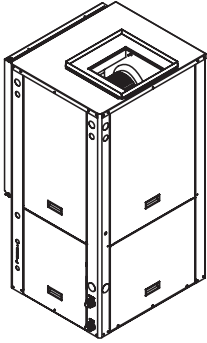Dual = 26, 038, 049, 064, 072

\*Select desired options to create specific model number.
Note: All models have sound kits.

## 1GC Water Source Heat Pumps

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| A | 1 | G | C | 0 | 2 | 4 | T | R | R | 1 | 0 | C | 0 | A |

**Brand**
A = American Standard

**Compressor Type**
1 = Single Stage Compressor

**Product Category**
G = Geothermal

**Product Type**
C = Conventional Packaged System (Water-to-Air)

**Nominal BTU's**
Thousands of BTU's

**\*Discharge Air Configuration**
T = Top (Vertical)
E = End (Horizontal)
S = Side (Horizontal)

**\*Return Air Configuration**
L = Left
R = Right

**Heating and/or Cooling**
R = Heating and Cooling

**Voltage/Frequency/Phases**
1 = 208-230/60/1

**\*Hot Water Options**
0 = No Hot Water, No GeoStart
1 = Hot Water Generator with factory installed pump, No GeoStart
3 = No Hot Water, GeoStart
4 = Hot Water Generator with factory installed pump, GeoStart

**\*Coax Options**
C = Copper
N = Cupronickel

**\*Blower Motor Options**
0 = PSC
3 = Oversized PSC Blower Option (022, 030, 036, 042, 048 Only)
4 = X13

**Vintage**
Current Vintage of the Product

**Capacities**
Single = 024, 030, 036, 042, 048, 060, 070

\*Select desired options to create specific model number.
Note: All models have sound kits.

**Geothermal**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-1

Effective 1/1/13
14-1011-29

# American Standard
HEATING & AIR CONDITIONING

# Water to Air Packaged Units

- Extended range operation (20-120˚F EWT)
- Earth friendly R-410A refrigerant
- Premier 2 microprocessor based controls with fault indicator lights
- Comfort Alert™ compressor monitor
- Copeland single speed or dual capacity scroll compressor
- PSC Motor or ECM variable speed fan motor
- FormiShield™ coated air coil
- Internal expansion valve
- Optional internal electric heat
- 1" Swivel fittings

- Special gray color powder coated heavy gauge galvanized cabinet
- Factory computer run test
- ARI/ASHRAE/ISO 13256-1 performance certified and UL/ETL safety listed
- 2" Filter Rack with MERV 11 filter Included
- Horizontal Hanger Kit Included
- **10-year parts and 10-year labor allowance**

**Table GEO-2-A — 1GX - 2GX Water Source Heat Pumps**

| Unit Model No. | Power Supply Volts/Hz/Phase | Norminal Cooling Capacity (Btuh) ECM 2 Motor | Dimensions (in.)① H x W x L | Shipping Weight (lbs.) | Nominal Supply Opening (WxD)① | Nominal Return Opening (DxH)① | Filter Size ① | Water Inlet/ Outlet Size | Min Circ Amp ECM 2 Motor | Max Fuse |
|---|---|---|---|---|---|---|---|---|---|---|
| A1GX022 | 208-230/60/1 | 21,700 | 48.4x22.3x26.3 | 313 | 14x14 | 22x26 | 28x24 | 1" Swivel | 15.2 | 20 |
| A2GX026 | 208-230/60/1 | 27,200 | 48.4x22.3x26.3 | 313 | 14x14 | 22x26 | 28x24 | 1" Swivel | 16.8 | 25 |
| A1GX030 | 208-230/60/1 | 29,400 | 48.4x22.3x26.3 | 328 | 14x14 | 22x26 | 28x24 | 1" Swivel | 20.0 | 30 |
| A1GX036 | 208-230/60/1 | 35,000 | 50.4x25.4x31.4 | 373 | 18x18 | 28x26 | 28x30 | 1" Swivel | 21.6 | 35 |
| A2GX038 | 208-230/60/1 | 40,200 | 50.4x25.4x31.4 | 378 | 18x18 | 28x26 | 28x30 | 1" Swivel | 24.8 | 40 |
| A1GX042 | 208-230/60/1 | 42,000 | 54.4x25.4x31.4 | 388 | 18x18 | 28x30 | 32x30 | 1" Swivel | 24.8 | 40 |
| A1GX048 | 208-230/60/1 | 49,300 | 54.4x25.4x31.4 | 428 | 18x18 | 28x30 | 32x30 | 1" Swivel | 28.8 | 45 |
| A2GX049 | 208-230/60/1 | 50,000 | 54.4x25.4x31.4 | 428 | 18x18 | 28x30 | 32x30 | 1" Swivel | 30.4 | 50 |
| A1GX060 | 208-230/60/1 | 66,800 | 58.4x25.4x31.4 | 463 | 18x18 | 28x34 | 36x30 | 1" Swivel | 40.0 | 60 |
| A2GX064 | 208-230/60/1 | 67,600 | 58.4x25.4x31.4 | 473 | 18x18 | 28x34 | 36x30 | 1" Swivel | 39.0 | 60 |
| A1GX070 | 208-230/60/1 | 73,200 | 58.4x25.4x31.4 | 488 | 18x18 | 28x34 | 36x30 | 1" Swivel | 44.6 | 70 |
| A2GX072 | 208-230/60/1 | 73,600 | 58.4x25.4x31.4 | 488 | 18x18 | 28x34 | 36x30 | 1" Swivel | 41.0 | 60 |

① Vertical Applications.

* For models not listed and unit details, please refer to the Geothermal/Water Source Heat Pump Product Data publication.
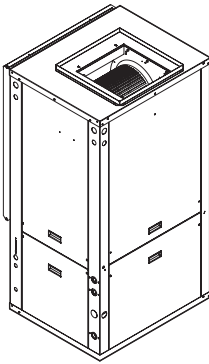


- Extended Range operation (20-120˚F EWT)
- Earth friendly R-410A Refrigerant
- Standard microprocessor controls with LED status and fault lights
- Copeland Single Speed Scroll Compressor
- X-13 ECM motor or 3 speed PSC fan motor
- Coated air coil
- Internal Expansion valve
- Optional internal electric heat
- 1" Swivel fittings

- Special gray color powder coated heavy gauge galvanized cabinet
- Factory computer run test
- ARI/ASHRAE/ISO 13256-1 performance certified and UL/ETL safety listed
- Horizontal hanger kit Included
- 1" filter rack with MERV 8 filter Included
- **10-year Parts and 10-year labor allowance**

**Table GEO-2-B — 1GC Water Source Heat Pump**

| Unit Model No. | Power Supply Volts/Hz/Phase | Norminal Cooling Capacity (Btuh) X13 Motor | Dimensions (in.) H x W x L | Shipping Weight (lbs.) | Nominal Supply Opening (WxD)① | Nominal Return Opening (DxH)① | Filter Size | Water Inlet/ Outlet Size | Min Circ Amp X13 Motor | Max Fuse |
|---|---|---|---|---|---|---|---|---|---|---|
| A1GC024 | 208-230/60/1 | 24,400 | 44.4X22.3x26.3 | 288 | 14x14 | 22x22 | 24X24 | 1" Swivel | 26.8 | 40 |
| A1GC030 | 208-230/60/1 | 29,000 | 44.4x22.3x26.3 | 299 | 14x14 | 22x22 | 24X24 | 1" Swivel | 27.5 | 40 |
| A1GC036 | 208-230/60/1 | 34,500 | 48.4X22.3x26.3 | 307 | 14x14 | 22x26 | 28X24 | 1" Swivel | 31.5 | 45 |
| A1GC042 | 208-230/60/1 | 42,300 | 50.4X25.4X31.4 | 379 | 18x18 | 28x26 | 28X30 | 1" Swivel | 38.4 | 50 |
| A1GC048 | 208-230/60/1 | 49,500 | 50.4X25.4X31.4 | 388 | 18x18 | 28x26 | 28X30 | 1" Swivel | 39.7 | 60 |
| A1GC060 | 208-230/60/1 | 60,900 | 54.4X25.4X31.4 | 448 | 18x18 | 28x30 | 32X30 | 1" Swivel | 46.3 | 70 |
| A1GC070 | 208-230/60/1 | 68,500 | 58.4X25.4X31.4 | 483 | 18x18 | 28x34 | 36X30 | 1" Swivel | 51.0 | 80 |

① Vertical Applications.

* For models not listed and unit details, please refer to the Geothermal/Water Source Heat Pump Product Data publication.

**Models listed are representative ONLY. Please refer to model nomenclature for product line configuration.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

**Geothermal**

# Water to Air Packaged Units

**Table GEO-3-A — Optional Accessories 1GX - 2GX**

| Model Number | Description | Single Speed Models | Dual Capacity Models |
|---|---|---|---|
| | | **Used With** | |
| **Vertical Auxiliary Heaters** | | | |
| EAM5 | ① | 022, 030 | 026 |
| EAM8 | ① | 030 | 026 |
| EAM10 | ① | 030 | 026 |
| EAL10 | ① | 036, 042, 048, 060, 070 | 038, 049, 064, 072 |
| EAL15 | ① | 036, 042, 048, 060, 070 | 038, 049, 064, 072 |
| EAL20 | ① | 048, 060, 070 | 049, 064, 072 |
| **Horizontal Auxiliary Heaters** | | | |
| EAMH5 | ② | 022,030 | 026 |
| EAMH8 | ② | 022,030 | 026 |
| EAMH10 | ② | 030 | 026 |
| EALH10 | ② | 036, 042, 048, 060, 070 | 038, 049, 064, 072 |
| EALH15 | ② | 036, 042, 048, 060, 070 | 038, 049, 064, 072 |
| EALH20 | ② | 048, 060, 070 | 049, 064, 072 |
| **Air Pads for Vertical Topflow Units** | | | |
| AP2430 | AP= High density plastic | 022, 030 | 026 |
| AP32 | AP= High density plastic | 036, 042, 048, 060, 070 | 038, 049, 064, 072 |
| APF2634 | APF= 2" PEX foam, cutable | 022, 030, 036, 042, 048, 060, 070 | 026, 038, 049, 064, 072 |
| **Thermostats (All Controls- 3H, 2C, Dual Fuel Compatible)** | | | |
| AZONE950AC52ZA | 950 Premium Control (Requires Relay Panel) | | |
| BAY24VRPAC52DA | 24 Volt Interface Relay Panel for 950 Control | | |
| ACONT802AS32DA | Programmable Touch Screen Digital Control | | |
| ACONT803AS32DA | Programmable Touch Screen Digital Control with Dehumidification Control | | |
| ACONT402AN32DA | Non-Programmable Comfort Control | | |
| **Disposable Pleated Filters, 2" MERV11③** | | | |
| 59P509-04 | Vertical Units (24x28)④ | 022, 030 | 026 |
| 59P509-08 | Vertical Units (28x30) | 036 | 038 |
| 59P509-07 | Vertical Units (30x32) | 042, 048 | 049 |
| 59P509-06 | Vertical Units (30x36)⑤ | 060, 070 | 064, 072 |
| 59P509-09 | Horizontal Units (18x32) | 022, 030 | 026 |
| 59P509-10 | Horizontal Units (20x37) | 036 | 049 |
| 59P509-02 | Horizontal Units (20x20) | 042, 048 | 049 |
| 59P509-11 | Horizontal Units (20x22) | 042, 048, 060, 070 | 049, 064, 072 |
| 59P509-03 | Horizontal Units (20x25) | 060, 070 | 064, 072 |

① Internal Mount, Electronic Control Board, Sequenced Operation, 15-20kW include internal fuses.
② Internal mount control box, coil assembly external mount, Electronic Control Board, Sequenced Operation, 15-20kW include internal fuses (Use on Horizontal & Rear Discharge Units).
③ 6 month life (Minimum order qty. 2).
④ Bottom flow 22-30
⑤ Bottom flow 36-72

**Geothermal**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

**Table GEO-4-A — Optional Accessories 1GC**

| Model Number | Description | Used With |
|---|---|---|
| **Vertical Auxiliary Heaters** | | |
| EAM5 | ① | 022, 030 |
| EAM8 | ① | 030 |
| EAM10 | ① | 030 |
| EAL10 | ① | 036, 042, 048, 060, 070 |
| EAL15 | ① | 036, 042, 048, 060, 070 |
| EAL20 | ① | 048, 060, 070 |
| **Horizontal Auxiliary Heaters** | | |
| EAMH5 | ② | 022,030 |
| EAMH8 | ② | 022,030 |
| EAMH10 | ② | 030 |
| EALH10 | ② | 036, 042, 048, 060, 070 |
| EALH15 | ② | 036, 042, 048, 060, 070 |
| EALH20 | ② | 048, 060, 070 |
| **Air Pads for Vertical Topflow Units** | | |
| AP2430 | AP= High density plastic | 022, 030 |
| AP32 | AP= High density plastic | 036, 042, 048, 060, 070 |
| APF2634 | APF= 2" PEX foam, cutable | 022, 030, 036, 042, 048, 060, 070 |
| **Thermostats (All Controls- 3H, 2C, Dual Fuel Compatible)** | | |
| AZONE950AC52ZA | 950 Premium Control (Requires Relay Panel) | |
| BAY24VRPAC52DA | 24 Volt Interface Relay Panel for 950 Control | |
| ACONT802AS32DA | Programmable Touch Screen Digital Control | |
| ACONT803AS32DA | Programmable Touch Screen Digital Control with Dehumidification Control | |
| ACONT402AN32DA | Non-Programmable Comfort Control | |
| **Disposable Pleated Filters** | | |
| 59P503B27 | Vertical Units (24x24) | 024, 030 |
| 59P503B05 | Vertical Units (24x28) | 036 |
| 59P503B28 | Vertical Units (30x28) | 042, 048 |
| 59P503B21 | Vertical Units (30x32) | 060 |
| 59P503B04 | Vertical Units (30x36) | 070 |
| 59P503B23 | Horizontal Units (18x32) | 024, 030, 036 |
| 59P503B08 | Horizontal Units (20x37) | 042, 048, 070 |
| 59P503B02 | Horizontal Units③ | 060 |
| 59P503B24 | Horizontal Units③ | 060 |
| 59P503B03 | Horizontal Units④ | 070 |
| 59P503B24 | Horizontal Units④ | 070 |

① Internal Mount, Electronic Control Board, Sequenced Operation, 15-20kW include internal fuses.
② Internal mount control box, coil assembly external mount, Electronic Control Board, Sequenced Operation, 15-20kW include internal fuses (Use on Horizontal & Rear Discharge Units).
③ Use 1 - 20x20 and 1 - 20x22.
④ Use 1 - 20x25 and 1 - 20x22.

**Geothermal**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-4

Effective 1/1/13
14-1011-29

# Water to Water Packaged Units

## 1GW Water Packaged Units

```
1  2  3  4  5 6 7  8  9 10 11 12 13 14
A  1  G  W  0 4 0  N  N  H  1  0  C  N
```

**Brand**
A = American Standard

**Compressor Type**
1 = Single Stage Compressor

**Product Category**
G = Geothermal

**Product Type**
W= Hydronic Packaged System (Water-to-Water)

**Nominal BTU's**
Thousands of BTU's

**Discharge Air Configuration**
N = None

**Return Air Configuration**
N = None

**\*Heating and/or Cooling①**
H = Heating Only
R = Heating and Cooling (Reversible)

**Voltage/Frequency/Phases**
1 = 208-230/60/1

**\*Hot Water Options①**
0 = No Hot Water, No GeoStart
2 = Hot Water Generator without factory installed pump, No GeoStart
3 = No Hot Water, GeoStart
5 = Hot Water Generator without factory installed pump, GeoStart

**\*Coax Options②**
C = Copper
N = Cupronickel
L = Source Cupronickel / Load Copper
S = Source Copper / Load Cupronickel

**Blower Motor Options**
N = None

① Available on 040-075 only. Hot Water Generator requires field installed external pump kit.
② 018-025 heating only models are avaliable only with copper double wall vented load coax for potabale water.

## 2GW Water Packaged Units

```
1  2  3  4  5 6 7  8  9 10 11 12 13 14
A  2  G  W  1 0 0  T  N  R  1  0  B  N
```

**Brand**
A = American Standard

**Compressor Type**
2 = Two Stage Compressor

**Product Category**
G = Geothermal

**Product Type**
W= Hydronic Packaged System (Water-to-Water)

**Nominal BTU's**
Thousands of BTU's

**Discharge Configuration**
T = Top Mounted Connections
R = Rear Mounted Connections

**Return Air Configuration**
N = None

**Heating and/or Cooling**
R = Heating and Cooling (Reversible)

**Voltage/Frequency/Phases**
1 = 208-230/60/1

**Hot Water Options**
0 = No Hot Water, No GeoStart
3 = No Hot Water, GeoStart

**Coax Options**
B = Brazed plate

**Blower Motor Options**
N = None

## W Series Hi Temp Hydronic Water to Water

```
1  2  3  4  5 6 7  8  9 10 11 12 13 14 15
A  2  G  W  0 8 4  R  8  R  1  3  B  N  A
```

**Brand**
A = American Standard

**Compressor Type**
2 = Two-Stage Compression

**Product Category**
G = Geothermal

**Product Type**
W= Hydronic Packaged System (Water-to-Water)

**Nominal BTU's**
Thousands of BTU's
(High Temp Application)

**Water Connections**
T = Top Mounted Connections
R = Rear Mounted Connections

**Controls**
8 = FX10 std. No communication, MUI
MUI = Medium User Interface

**Heating and/or Cooling**
R = Heating and Cooling (Reversible)

**Voltage/Frequency/Phases**
1 = 208-230/60/1

**Options**
3 = GeoStart

**Coax Options**
B = Brazed Plate

**Options**
N= None

**Vintage**
A = Current

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

# Water to Water Packaged Units
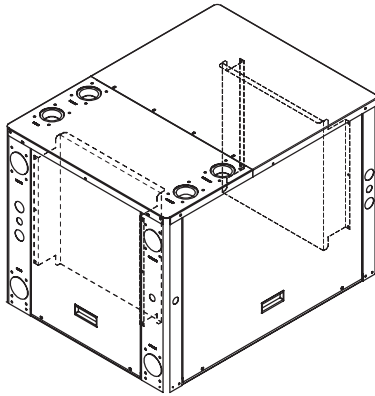
**1GW Series**
- Extended range operation (20-120˚F EWT)
- Earth friendly R-410A refrigerant
- GW series microprocessor based controls
- Scroll (single speed) compressors
- Expansion valve
- Special gray powder coated cabinet
- Factory computer run test
- ARI/ASHRAE/ISO 13256-1 performance certified and UL/ETL safety listed
- Fully insulated cabinet, coax HE, water piping and ref. lines
- Adjust temperature and configuration from control panel on front of units
- **10-year parts and 10-year labor allowance**

**2GW Series**
- Ultra-compact 25"W x 33"D x 24"H
- Standard waterlines out the back or front (field convertible via control box)
- Factory optional top waterlines
- High efficiency brazed plate heat exchanger
- High efficiency scroll compressors (2)
- Optional GeoStart
- FX10 control package with MUI interface
- Performance monitoring and communication through standard DDC protocols
- **10-year parts and 10-year labor allowance**

**Table GEO-6-A — 1GW - 2GW Hydronic Heat Pumps**

| Unit Model No. Refrigerant | Power Supply Volts/Hz/Phase | Norminal Cooling Capacity (Btuh) | Norminal Heating Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Water Supply and Return Size | Min Circ Amp | Max Fuse |
|---|---|---|---|---|---|---|---|---|
| A1GW018 | 208-230/60/1 | 17,300 | 15,000 | 26.1x19.5x23.5 | 213 | 1 | 20.1 | 30 |
| A1GW025 | 208-230/60/1 | 24,700 | 22,000 | 26.1x19.5x23.5 | 247 | 1 | 24.1 | 35 |
| A1GW040 | 208-230/60/1 | 37,700 | 31,000 | 26.2x22.0x31.0 | 305 | 1 | 32.2 | 50 |
| A1GW050 | 208-230/60/1 | 51,500 | 44,000 | 26.2x22.0x31.0 | 340 | $1^{1}/_{4}$ | 40.2 | 60 |
| A1GW060 | 208-230/60/1 | 58,000 | 50,000 | 26.2x22.0x31.0 | 360 | $1^{1}/_{4}$ | 44.8 | 70 |
| A1GW075 | 208-230/60/1 | 68,400 | 62,000 | 26.2x22.0x31.1 | 360 | $1^{1}/_{4}$ | 40.8 | 60 |
| A2GW100 | 208-230/60/1 | 100,000 | 82,000 | 24.1x25.58x33.6 | 385 | 2 | 33.0/41.4 | 50/60 |
| A2GW120 | 208-230/60/1 | 114,000 | 93,000 | 24.1x25.58x33.6 | 395 | 2 | 37.6/46.0 | 60/70 |
| A2GW150 | 208-230/60/1 | 147,000 | 123,000 | 24.1x25.58x33.6 | 395 | 2 | 33.6/42.0 | 60/60 |
| A2GW180 | 208-230/60/1 | 165,000 | 139,000 | 24.1x25.58x33.6 | 415 | 2 | 40.1/48.5 | 70/80 |

*For models not listed and unit details, please refer to the Geothermal Hydronic Heat Pump Product Data publication.

**GW - High Temp Hydronic Heat Pump**
- Capable of producing 150 degree Water Temps
- May be used for baseboard radiator, boiler replacement, and overfloor radiant applications
- Uses R-134A low pressure refrigerant
- Dual Scroll Compressors for part and full load operation
- Brazed Plate Heat Exchanger
- Advanced FX10 Control
- GeoStart and Discharge Line Muffler Standard with GW084
- ARI/ASHRAE/ISO 13256-1 performance certified and UL/ETL safety listed
- **10-year parts and 10-year labor allowance**

**Table GEO-6-B — W Series High Temp Hydronic Heat Pump**

| Unit Model No. Refrigerant | Power Supply Volts/Hz/Phase | Norminal Cooling Capacity (Btuh) | Norminal Heating Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Water Supply and Return Size | Min Circ Amp | Max Fuse |
|---|---|---|---|---|---|---|---|---|
| A2GW084 | 208-230/60/1 | 79,000 | 84,000 | 24.1 x 25.58 x 33.6 | 415 | $1^{1}/_{4}$ | 29.6/38.0 | 50/60 |

**Geothermal**

**Models listed are representative ONLY. Please refer to model nomenclature for product line configuration.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-6

Effective 1/1/13
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## Table GEO-7-A — Optional Accessories GW1

| Model Number | Description | Used With |
|---|---|---|
| **Circulating Pump Kits** | | |
| 24S516-10 | Load-side low flow pump (Potable Water) | 018, 025 |
| EWPK1① | Load-side pump kit, 1" cast iron volute | 018, 025, 040 |
| EWPK2 | Load-side pump kit, 1" bronze volute | 018, 025 |
| EWPK3① | Load-side pump kit, 1 1/4" cast iron volute | 050, 060, 075 |
| 13P003B | Low voltage pump signal relay (combined source pumps) | 018, 025, 040, 050, 060, 075 |
| **Water Connection Kits** | | |
| MA4FPT | 1" MPT x 1" FPT w/1/4 tap, Load Side W-W | 018, 025, 040 |
| MA5FPT | 1 1/4" MPT x 1" FPT w/1/4 tap, Load Side W-W | 050, 060, 075 |
| HKC8S | Stainless steel hose kit 1" | 018, 025, 040 |
| HKC10S | Stainless steel hose kit 1 1/4" | 050, 060, 075 |
| **Hot Water Generatorer Pump Kit** | | |
| DPK5 | Includes 230v 1/25 hp pump and fittings | 040, 050, 060, 075 |
| **Air Pads** | | |
| AP2430 | AP= High density plastic | 018, 025, 040 |
| AP32 | AP= High density plastic | 050, 060, 075 |
| APF2428 | 2" PEX foam, cutable | 018, 025 |
| APF2634 | 2" PEX foam, cutable | 040, 050, 060, 075 |

① Not for use in 018 and 025 potable water applications.

## Table GEO-7-B — Optional Accessories GW2

| Model Number | Description |
|---|---|
| **Hose Kits②** | |
| HHK162S | 2" Stainless Steel hose kit, Y-Strainer, ball valves, and end fittings |
| CR6UBY-125-24 | 1 1/4" Stainless Steel hose kit, Y-Strainer, ball valves, and end fittings |
| **Water Connection Kit①** | |
| CKNDW1 | Source side OR Load side unit fittings, P/T plugs |
| CKNHW1 | 1 1/4" Source side OR Load side unit fittings, P/T plugs |
| **Large Flow Centers②** | |
| FCL1-5028 | 1 Grundfos 3 speed pump (28 feet of head at 50 GPM) |
| FCL2-5028 | 2 Grundfos 3 speed pump (56 feet of head at 50 GPM) |
| FCL1-5038 | 1 Grundfos 3 speed pump (38 feet of head at 50 GPM) |
| FCL2-5038 | 2 Grundfos 3 speed pump (76 feet of head at 50 GPM) |
| FCL1-5055 | 1 Grundfos 3 speed pump (55 feet of head at 50 GPM) |
| FCL2-5055 | 2 Grundfos 3 speed pump (110 feet of head at 50 GPM |
| **Load-Side Pump (pump and 2 "GL" fittings)②** | |
| PML32-160 | 1 Grundfos 3 speed pump (28 feet of head at 50 GPM) |
| PML40-160 | 1 Grundfos 3 speed pump (38 feet of head at 50 GPM) |
| PML40-240 | 1 Grundfos 3 speed pump (55 feet of head at 50 GPM) |
| **Large Flow Centers Fittings (sets of 2)②** | |
| GL6FPT | 1.5" FPT X 2" GeoLink |
| GL8FPT | 2" FPT X 2" GeoLink |
| GL-FPL | Flushing Adapter |
| **Flow Switch Kit** | |
| FPS300 | Flow Switch Kit |
| **Connection Kit** | |
| CK5L | 1 1/4" MPT X 1 1/4" hose barb, brass elbow w/ 1/4" P/T plugs |
| **Rubber Hose Kit w/ Strainer** | |
| CK5L-XLS | CK5L, 2 - 8' 1 1/4" rubber hose, pair 1 1/4" hose barb x 1 1/4 XL style fittings, steel hose clamps, with mesh bronze strainer |

① This part can be used for both load and source side. 2 kits will need to be purchased for fittings for both sides.
② Drop shipped from vendor. Does not include freight.

Geothermal

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

# HydroZone™ Control

- Water to Water Load Side Zone Control
- Menu Driven Software
- Adjustable setpoints and deadbands
- Three control strategies

- Lead/Lag logic
- Utilizes Geo Storage tank sensor
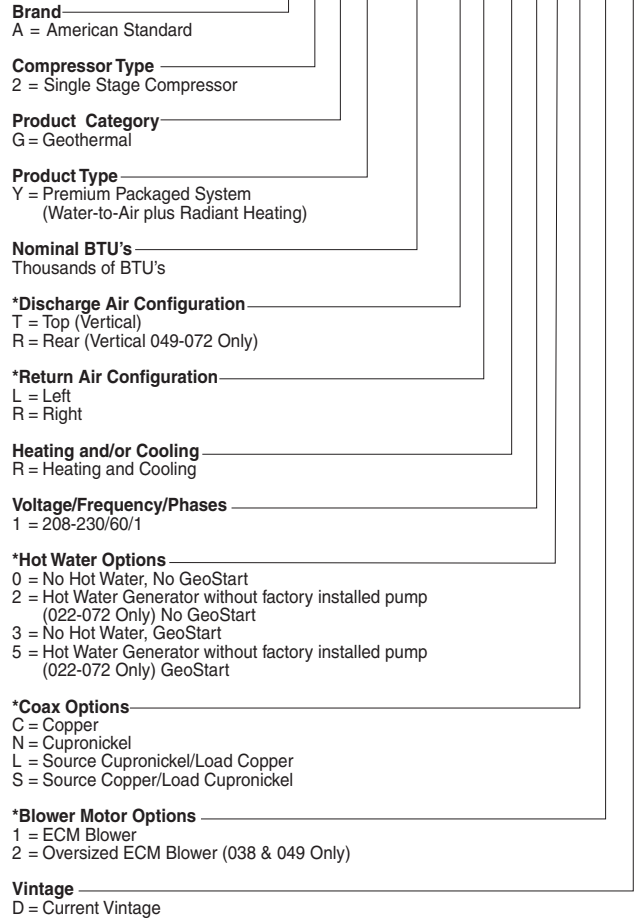- **5-year parts & labor allowance warranty included in list price**

**Table GEO-8-A — HydroZone™ Control**

| Model Number | Specification |
|---|---|
| HZC | HydroZone™ Control Panel |
| HZ0 | HydroZone™ Control with signal isolation board- 0 Zone (24V only) |
| HZ04A9NN | HydroZone™ Control with signal isolation board- 4 Zone 115V output (pump) |
| HZ04AANN | HydroZone™ Control with signal isolation board- 4 Zone 24V output (valve) |
| HZ08A9NN | HydroZone™ Control with signal isolation board- 8 Zone 115V output (pump) |
| HZ08AANN | HydroZone™ Control with signal isolation board- 8 Zone 24V output (valve) |
| HZ12A9NN | HydroZone™ Control with signal isolation board- 12 Zone 115V output (pump) |
| HZ12AANN | HydroZone™ Control with signal isolation board- 12 Zone 24V output (valve) |
| HZ12A9EN | HydroZone™ Control with signal isolation board- 12 Zone 115V output (pump) |
| HZ12AAEN | HydroZone™ Control with signal isolation board- 12 Zone 24V output (valve) |
| HZAB | HydroZone™ Accessory Box (water heater or pump control) |
| L37-346 | 3/4" SWT Zone Valve Motorized Sweat (Qty 1) |
| L37-347 | 1" SWT Zone Valve Motorized Sweat (Qty 1) |
| TSU02 | Outdoor Air Sensor (requried with "outdoor reset control") |

Note: HZ0 is for tank control only with no zones.

**Geothermal**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-8

Effective 1/1/13
14-1011-29

# Triple Function Hybrid Water to Air Systems

## GY Series Hybrid Systems

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| A | 2 | G | Y | 0 | 3 | 8 | T | R | R | 1 | 0 | C | 1 | D |

**Brand**
A = American Standard

**Compressor Type**
2 = Single Stage Compressor

**Product Category**
G = Geothermal

**Product Type**
Y = Premium Packaged System
    (Water-to-Air plus Radiant Heating)

**Nominal BTU's**
Thousands of BTU's

**\*Discharge Air Configuration**
T = Top (Vertical)
R = Rear (Vertical 049-072 Only)

**\*Return Air Configuration**
L = Left
R = Right

**Heating and/or Cooling**
R = Heating and Cooling

**Voltage/Frequency/Phases**
1 = 208-230/60/1

**\*Hot Water Options**
0 = No Hot Water, No GeoStart
2 = Hot Water Generator without factory installed pump
    (022-072 Only) No GeoStart
3 = No Hot Water, GeoStart
5 = Hot Water Generator without factory installed pump
    (022-072 Only) GeoStart

**\*Coax Options**
C = Copper
N = Cupronickel
L = Source Cupronickel/Load Copper
S = Source Copper/Load Cupronickel

**\*Blower Motor Options**
1 = ECM Blower
2 = Oversized ECM Blower (038 & 049 Only)
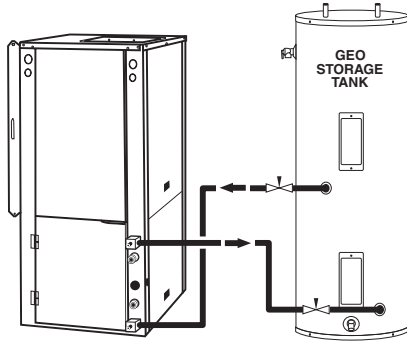
**Vintage**
D = Current Vintage

**Capacities**
Two Stage = 038, 049, 064, 072

\*Select desired options to create specific model number.
Note: The factory installed water option (hot water generator) does not include factory mounted circulating pump or temperature control.
DPK5 (ordered seperately) includes field installed circulator, hot water tank adaptor, temperature limit and installation instructions.

**Geothermal**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-9

Effective 1/1/13
14-1011-29

# American Standard
## HEATING & AIR CONDITIONING

# Triple Function Hybrid Water to Air Systems

GEO STORAGE TANK

- Extended range operation (20-120˚F EWT)
- Hybrid "3 in 1" system-space heat, space cool, hot water to radiant floor zones
- Optional hot water generator
- Earth friendly R-410A refrigerant
- Premier 2 microprocessor based controls
- Copeland dual capacity scroll Compressor
- ECM variable speed fan motor
- FormiShield™ coated air coil
- Expansion valve
- Optional internal electric heat

- 1" Swivel fittings
- Special gray powder coated heavy gauge galvanized cabinet
- Factory computer run test
- ARI/ASHRAE/ISO 13256-1 performance certified and UL/ETL safety listed
- 2" filter rack with MERV 11 filter Included
- **10-year parts and 10-year labor allowance**

## Table GEO-10-A — GY Series Hybrid Systems

| Unit Model No. | Power Supply Volts/Hz/Phase | Norminal Cooling Capacity (Btuh) | Dimensions (in.) H x W x L | Shipping Weight (lbs.) | Supply Opening (WxD) | Return Opening (DxH) | Filter Size | Water Inlet/ Outlet Size | Min Circ Amp | Max Fuse |
|---|---|---|---|---|---|---|---|---|---|---|
| A2GY038 | 208-230/60/1 | 35,200 | 50.4x25.6x31.6 | 445 | 18x18 | 28x26 | 28x30 | 1" Swivel | 31.2 | 45 |
| A2GY049 | 208-230/60/1 | 43,800 | 54.4x25.6x31.6 | 550 | 18x18 | 28x30 | 32x30 | 1" Swivel | 36.8 | 50 |
| A2GY064 | 208-230/60/1 | 59,400 | 58.4x25.6x31.6 | 560 | 18x18 | 28x34 | 36x30 | 1" Swivel | 45.5 | 70 |
| A2GY072 | 208-230/60/1 | 69,100 | 58.4x25.6x31.6 | 560 | 18x18 | 28x34 | 36x30 | 1" Swivel | 47.5 | 70 |

* For models not listed and unit details, please refer to the Geothermal Heat Pump with Water Heating for Radiant Floor Applications Product Data publication.

## Table GEO-10-B — Optional Accessories

| Model Number | Description | Used With |
|---|---|---|
| **Disposable Pleated Filters, 2" MERV11①** | | |
| 59P509-08 | Vertical Units (28x30) | 038 |
| 59P509-07 | Vertical Units (30x32) | 049 |
| 59P509-06 | Vertical Units (30x36) | 064, 072 |
| **Air Pads for Vertical Units** | | |
| AP32 | AP - High density plastic | 038, 049, 064, 072 |
| APF2634 | APF - 2" PEX foam, cutable | 038, 049, 064, 072 |
| **Vertical Auxiliary Heaters** | | |
| EAL10③ | Vertical Auxiliary Heaters | 038, 049, 064, 072 |
| EAL15③ | Vertical Auxiliary Heaters | 038, 049, 064, 072 |
| EAL20③ | Vertical Auxiliary Heaters | 049, 064, 072 |
| **Horizontal Auxiliary Heaters** | | |
| EALH10④ | Horizontal Units (Rear Discharge Units Only) | 038, 049, 064, 072 |
| EALH15④ | Horizontal Units (Rear Discharge Units Only) | 038, 049, 064, 072 |
| EALH20④ | Horizontal Units (Rear Discharge Units Only) | 049, 064, 072 |
| **Hot Water Generator Pump Kit** | | |
| DPK5⑤ | | 038, 049, 064, 072 |
| **Thermostats (All Controls- 3H, 2C, Dual Fuel Compatible)** | | |
| AZONE950AC52ZA | 950 Premium Control (Requires Relay Panel) | |
| BAY24VRPAC52DA | 24 Volt Interface Relay Panel for 950 Control | |
| ACONT802AS32DA | Programmable Touch Screen Digital Control | |
| ACONT803AS32DA | Programmable Touch Screen Digital Control with Dehumidification Control | |
| ACONT402AN32DA | Non-Programmable Comfort Control | |

① Minimum order qty. 2.
② Bottom Flow 36-72.
③ Sequenced Operation, 15-20kW include internal fuses.
④ Sequenced Operation, 15-20kW include internal fuses. Rear discharge units only.
⑤ Must be purchased with any Y with hot water generator option.
Note: For hydronic accessories, please see hydronic price book.

**Models listed are representative ONLY. Please refer to model nomenclature for product line configuration.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-10

Effective 1/1/13
14-1011-29

Geothermal

# Split Heat Pump Units

## 2GN Indoor Split Heat Pumps

```
 1  2  3  4  5  6  7  8  9 10 11 12 13 14
 A  2  G  N  0  2  2  N  N  R  1  0  C  N
```

**Brand**
A = American Standard

***Compressor Type**
2 = Two Stage Compressor

**Product Category**
G = Geothermal

**Product Type**
N = Premium Split System Interior Grade

**Nominal BTU's**
Thousands of BTU's

**Discharge Air Configuration**
N = None

**Return Air Configuration**
N = None

**Heating and/or Cooling**
R = Heating and Cooling

**Voltage/Frequency/Phases**
1 = 208-230/60/1

***Hot Water Options**
0 = No Hot Water, No GeoStart
1 = Hot Water Generator with external factory pump, No GeoStart
3 = No Hot Water, GeoStart
4 = Hot Water Generator with external factory pump, GeoStart

***Coax Options**
C = Copper
N = Cupronickel

**Blower Motor Options**
N = None

**Capacities**
Dual = 026, 038, 049, 064

*Select desired options to create specific model number.

## GE Outdoor Split Heat Pumps

```
 1  2  3  4  5  6  7  8  9 10 11 12 13 14
 A  2  G  E  0  2  6  N  N  R  1  0  C  N
```

**Brand**
A = American Standard

**Compressor Type**
2 = Two Stage Compressor

**Product Category**
G = Geothermal

**Product Type**
E = Premium Split System Exterior Grade

**Nominal BTU's**
Thousands of BTU's

**Discharge Air Configuration**
N = None

**Return Air Configuration**
N = None

**Heating and/or Cooling**
R = Heating and Cooling

**Voltage/Frequency/Phases**
1 = 208-230/60/1

***Hot Water Options**
0 = No Hot Water, No GeoStart
3 = No Hot Water, GeoStart

***Coax Options**
C = Copper
N = Cupronickel

**Blower Motor Options**
N = None

**Capacities**
Dual = 026, 038, 049, 064
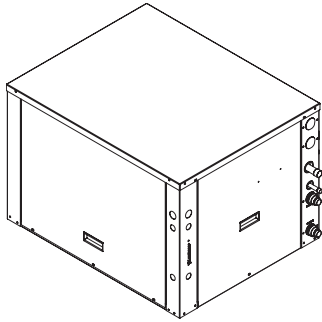
*Select desired options to create specific model number.

**Geothermal**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-11

Effective 1/1/13
14-1011-29

# Split Heat Pump Units

- Extended range operation (20-120˚F EWT)
- Earth friendly R-410A refrigerant
- Dual capacity scroll compressor
- Premier 2 microprocessor based controls with fault Indicator Lights
- Expansion valve
- 1" Swivel fittings

- Special gray powder coated heavy gauge galvanized cabinet
- Accumulator on all models
- Factory computer run test
- ARI/ASHRAE/ISO 13256-1 performance certified and UL/ETL safety listed
- **10-year parts and 10-year labor allowance**

## Table GEO-12-A — 2GN Indoor Split Heat Pumps

| Unit Model No. | Power Supply Volts/Hz/Phase | Norminal Cooling Capacity (Btuh) | Dimensions (in.) H x W x L | Shipping Weight (lbs.) | Refrigerant Suction Line ① | Refrigerant Liquid Line ① | Min Circ Amp | Max Fuse |
|---|---|---|---|---|---|---|---|---|
| A2GN026 | 208-230/60/1 | 26,200 | 19.5x22.5x26.5 | 209 | $5/8$ | $3/8$ | 18.6 | 25 |
| A2GN038 | 208-230/60/1 | 35,000 | 21.25x25.5x31.5 | 256 | $3/4$ | $3/8$ | 26.6 | 40 |
| A2GN049 | 208-230/60/1 | 47,700 | 21.25x25.5x31.5 | 270 | $3/4$ | $3/8$ | 32.2 | 50 |
| A2GN064 | 208-230/60/1 | 59,100 | 21.25x25.5x31.5 | 291 | $7/8$ | $1/2$ | 37.8 | 60 |

① 20' Line Set Length. Consult Guide for other lengths.
* For models not listed and unit details, please refer to the Geothermal Indoor Split Heat Pump Product Data publication.

## Table GEO-12-B — Optional Accessories

| Model Number | Description | Used With |
|---|---|---|
| **Air Pads** | | |
| AP32 | AP= High density plastic | 026, 038, 049, 064, 072 |
| APF2634 | APF= 2" PEX foam, cutable | 026, 038, 049, 064, 072 |
| **Thermostats (All Controls- 3H, 2C, Dual Fuel Compatible)** | | |
| AZONE950AC52ZA | 950 Premium Control (Requires Relay Panel) | |
| BAY24VRPAC52DA | 24 Volt Interface Relay Panel for 950 Control | |
| ACONT802AS32DA | Programmable Touch Screen Digital Control | |
| ACONT803AS32DA | Programmable Touch Screen Digital Control with Dehumidification Control | |
| ACONT402AN32DA | Non-Programmable Comfort Control | |

**Models listed are representative ONLY. Please refer to model nomenclature for product line configuration.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-12

Effective 1/1/13
14-1011-29

# Split Heat Pump Units
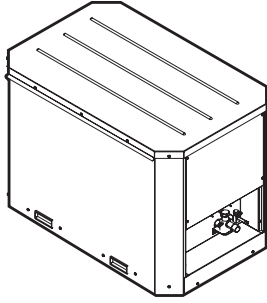
- Extended range operation (20-120°F EWT)
- Earth Friendly R-410A Refrigerant
- Rated for outdoor installation
- Premier 2 microprocessor based controls with fault indicator lights
- Copeland 2 stage scroll compressor
- Expansion valve
- Gray powder coated heavy gauge galvanized cabinet

- Accumulator on all models
- Factory computer run test
- ARI/ASHRAE/ISO 13256-1 performance certified and UL/ETL safety listed
- Internally mounted flow center in cabinet (field Installed)
- **10-year parts and 10-year labor allowance**

### Table GEO-13-A — 2GE Outdoor Split Heat Pumps

| Unit Model No. | Power Supply Volts/Hz/Phase | Norminal Cooling Capacity (Btuh) | Dimensions (in.) H x W x L | Shipping Weight (lbs.) | Refrigerant Suction Line ① | Refrigerant Liquid Line ① | Min Circ Amp | Max Fuse |
|---|---|---|---|---|---|---|---|---|
| A2GE026 | 208-230/60/1 | 26,200 | 26.7x36.0x23.9 | 209 | $5/8$ | $3/8$ | 17 | 25 |
| A2GE038 | 208-230/60/1 | 35,000 | 26.7x36.0x23.9 | 256 | $3/4$ | $3/8$ | 23.4 | 40 |
| A2GE049 | 208-230/60/1 | 47,700 | 26.7x36.0x23.9 | 270 | $3/4$ | $3/8$ | 27.9 | 50 |
| A2GE064 | 208-230/60/1 | 59,100 | 26.7x36.0x23.9 | 291 | $7/8$ | $1/2$ | 32.4 | 60 |

① 20' Line Set Length. Consult Guide for other lengths.
\* For models not listed and unit details, please refer to the Geothermal/Water Source Outdoor Split Heat Pump Product Data publication.

### Table GEO-13-B — Optional Accessories

| Model Number | Description | All GE Unit Sizes |
|---|---|---|
| **Mounting Pad** | | |
| AP3042 | Bramec III,  6"x 6" modular construction | |
| **Thermostats (All Controls- 3H, 2C, Dual Fuel Compatible)** | | |
| AZONE950AC52ZA | 950 Premium Control (Requires Relay Panel) | |
| BAY24VRPAC52DA | 24 Volt Interface Relay Panel for 950 Control | |
| ACONT802AS32DA | Programmable Touch Screen Digital Control | |
| ACONT803AS32DA | Programmable Touch Screen Digital Control with Dehumidification Control | |
| ACONT402AN32DA | Non-Programmable Comfort Control | |

**Geothermal**

**Models listed are representative ONLY. Please refer to model nomenclature for product line configuration.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-13

Effective 1/1/13
14-1011-29

## Air Handler

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| T | A | M | G | A | 0 | C | 3 | 6 | H | 3 | 1 | S | A | A |

**Brand**
T = Best
G = Good

**Product Type**
A = Air Handler

**Convertability**
M = Multi-poise 4-way
F = Upflow Front Return, 3-way
T = 3-way

**Product Tier**
2 = Good, Entry Level Feature Set
4 = Better, Retail Replacement Mid Effy.
5 = Better, Entry Level High Effy., Multi-Speed
7 = Best, Retail Replacement High Effy., Variable-Speed
8 = Best, Retail Ultimate High Effy., Variable-Speed
G = Best, Geothermal

**Major Design Change**

**No Descriptor**
0 = Air Handler / Coil

**Size (Footprint)**
A = 17.5 x 21.5
B = 21.0 x 21.5
C = 23.5 x 21.5

**Cooling Size: Air Handler or Coil**
0-9 = AH Coil - 1000 BTU's (24, 36, 48, 60)

**Airflow Type & Capability**
S = Low Effy PSC, 1-5 - nom. Tonnage (cfm/ton)
M = Mid Effy Multi-Speed, 1-5 - nom. Tonnage (cfm/ton)
H = High Effy Variable, 1-5 - nom. Tonnage (cfm/ton)
V = High Effy Variable, 1-5 - nom. Tonnage (cfm/ton)

**Power Supply**
1 = 208-230/1/60

**System Control Type**
S = Standard - 24 VAC
C = CLII 13.8 VDC

**Minor Design Change**

**Unit Parts Identifier**

## GCX Coils

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|
| A | G | C | X | C | R | 0 | 2 | 6 | A | M | A | A | X |

**Brand**
A = American Standard

**Product Category**
G = Geothermal

**Product Type**
C = Split System Dual Fuel Coil

**Coil Design**
X = Direct Expansion
    Evaporator Coil TXV Included

**Coil Cabinet**
C = Cabinet Encased
U = Uncased

**Model Type**
R = Refrigerant Coil
H = Hydronic Coil

**Nominal Coil Capacity**

| Refrigerant Models | Recommended Airflow CFM |
|---|---|
| 026 M bthu | 800-980 |
| 036 M bthu | 1225 |
| 048 M bthu | 1425-1625 |
| 060 M bthu | 1760 |

| Hydronic Models | |
|---|---|
| 060 M bthu | 1760 |

**Coil Width**
A = 20.8¨ / 20.0¨

**Airflow Configuration**
Cased = Multi-poise
Uncased = Multi-poise

**Series**
A = Current

**Vintage**
A = Current

**Minor Design Change - not orderable**

Geothermal

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-14

Effective 1/1/13
14-1011-29

# Split Air Handlers
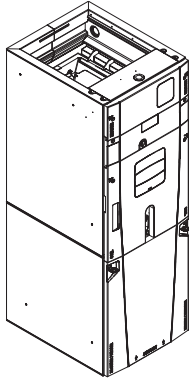
- Unique cabinet design
  - 2% or less air leakage
  - Double wall foamed cabinet system
  - ≥ R-4.2 insulating value (Avg. Insulating Value R-8.2)
  - No loose fiber design
  - Smooth cleanable interior design
  - Sweat eliminating design
  - Composite foamed cabinet doors
  - Water proof cabinet design
  - Integrated horizontal drain pans
  - Modular cabinet
- Control board protection pocket built into cabinet wall

- Multi-position up/down flow horizontal left/right
- Variable speed ECM motor
- Electronic Expansion Valve (EEV)
- Aluminum coil with integrated slide deck for easy removal and polarized plug connections on coil EEV
- Molded in 1" standard filter rail
- Alert port to view control board codes without door removal
- **Vortica®** blower with polarized plug connections and integrated slide deck for easy removal.
- **10-year warranty registered**

**Table GEO-15-A — TAMG Variable Speed R-410A with Comfort-R™ Enhanced Mode Option 200-230/1/60**

| Unit Model No. | Cooling Capacity (Btuh) | Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Supply Opening | Return Opening | Filter Sizes | Line Size Gas | Liquid |
|---|---|---|---|---|---|---|---|---|
| TAMGA0A24H21SA | 24000 | 49.9x 17.5x 21.8 | 126 | 14.5x 14.35 | 14.5x 17.15 | 16x20x1 | $3/4$ | $3/8$ |
| TAMGA0C36H31SA | 36000 | 56.9x 23.5x 21.8 | 157 | 20.5x 14.35 | 20.5x 17.15 | 22x20x1 | $7/8$ | $3/8$ |
| TAMGA0C48H41SA | 48000 | 61.7x 23.5x 21.8 | 174 | 20.5x 14.35 | 20.5x 17.15 | 22x20x1 | $7/8$ | $3/8$ |
| TAMGA0C60H51SA | 60000 | 61.7x 23.5x 21.8 | 175 | 20.5x 14.35 | 20.5x 17.15 | 22x20x1 | $7/8$ | $3/8$ |

**Table GEO-15-B — Optional Accessories**

| Model Number | Description | Used With |
|---|---|---|
| BAYEVAC05BK1AA | 5 kW (16400 BTU) electric heater, breakers | TAMGA0A24-C60 |
| BAYEVAC05LG1AA | 5 kW (16400 BTU) electric heater, lugs | TAMGA0A24-C60 |
| BAYEVAC08BK1AA | 8 kW (26200 BTU) electric heater, breakers | TAMGA0A24-C60 |
| BAYEVAC08LG1AA | 8 kW (26200 BTU) electric heater, lugs | TAMGA0A24-C60 |
| BAYEVAC10BK1AA | 10 kW (32800 BTU) electric heater, breakers | TAMGA0A24-C60 |
| BAYEVAC10LG1AA | 10 kW (32800 BTU) electric heater, lugs | TAMGA0A24-C60 |
| BAYEVBC15BK1AA | 15 kW (49200 BTU) electric heater, breakers | TAMGA0C36-C60 |
| BAYEVBC20BK1AA | 20 kW (65600 BTU) electric heater, breakers | TAMGA0C36-C60 |
| BAYEVCC25BK1AA | 25 kW (82000 BTU) electric heater, breakers | TAMGA0C48-C60 |
| BAYEVAC10LG3AA | 10 kW (32800 BTU) electric heater, lugs, 3-Phase | TAMGA0A24-C60 |
| BAYEVBC15LG3AA | 15 kW (49200 BTU) electric heater, lugs, 3-Phase | TAMGA0C36-C60 |
| BAYWVAA05SC1AA | 40,000 BTUH, RS-485 control, hydronic heater, for A① cabinet | TAMGA0A24 |
| BAYWVCC08SC1AA | 65,000 BTUH, RS-485 control, hydronic heater, for C① cabinet | TAMGA0C36-C60 |
| BAYWVCC11SC1AA | 100,000 BTUH, No control, hydronic heater, for C cabinet | TAMGA0C60 |
| BAYWVBRD485 | RS-485 control for BAYWVCC11SC1AA | TAMGA0C60 |
| BAYSUPFLGAA | Supply Duct Flange A cabinet | TAMGA0A24 |
| BAYSUPFLGCA | Supply Duct Flange C cabinet | TAMGA0C36-C60 |
| BAYRETFLGAA | Return Duct Flange A cabinet | TAMGA0A24 |
| BAYRETFLGCA | Return Duct Flange C cabinet | TAMGA0C36-C60 |
| TASB175SB②④ | Plenum Stand with Integrated Sound Baffle A cabinet | TAMGA0A24 |
| TASB235SB②④ | Plenum Stand with Integrated Sound Baffle C cabinet | TAMGA0C36-C60 |
| MTISRKIT1620② | Side Return Kit with 16"x20" Filter | TAMGA0A24-C60 |
| TASSBK175②③ | Sound Baffle Kit 17.5" Cabinet | TAMGA0A24 |
| TASSBK235②③ | Sound Baffle Kit 23.5" Cabinet | TAMGA0C36-C60 |
| BAYSPEKT200 | Single Power Entry Kit | TAMGA0A24-C60 |
| BAYSRKIT100 | Side Return Kit | TAMGA0A24-C60 |
| BAYICSKIT01 | Internal Condensate Switch Kit | TAMGA0A24-C60 |
| BAYHHKIT001 | Horizontal Hanger Kit | TAMGA0A24-C60 |
| BAYUVCLK001 | UVC Lights | TAMGA0A24-C60 |
| BAYLVKIT100 | Low Voltage Conduit Entry Kit | TAMGA0A24-C60 |

① A Cabinet is 17.5" wide and C Cabinet is 23.5" wide.
② Contact your distributor for information.
③ In return plenum applications, use TASSBK kits for sound reduction.
④ In open air applications, Plenum Stand with Sound Baffle provides sound reduction.

**Geothermal**

**Models listed are representative ONLY. Please refer to model nomenclature for product line configuration.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-15

Effective 1/1/13
14-1011-29

**Table GEO-16-A — Heaters**

| AIR HANDLER | HEATER MODEL NUMBER BAYEV- | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| MODEL NUMBER | AC05BK1AA 4.80 Kw BK | AC05LG1AA 4.80 Kw LG | AC08BK1AA 7.68 Kw BK | AC08LG1AA 7.68 Kw LG | AC10BK1AA 9.60 Kw BK | AC10LG1AA 9.60 Kw LG | BC15BK1AA 14.40 Kw BK | BC20BK1AA 19.20 Kw BK | CC25BK1AA 24.00 Kw BK |
| TAMGA0A24H21SA | Y | Y | Y | Y | Y | Y | — | — | — |
| TAMGA0C36H31SA | Y | Y | Y | Y | Y | Y | Y | Y | — |
| TAMGA0C48H41SA | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| TAMGA0C60H51SA | Y | Y | Y | Y | Y | Y | Y | Y | Y |

| AIR HANDLER | HEATER MODEL NUMBER BAYEV- | |
|---|---|---|
| MODEL NUMBER | AC10LG3AA 9.60 Kw LG | BC15LG3AA 14.40 Kw LG |
| TAMGA0A24H21SA | Y | — |
| TAMGA0C36H31SA | Y | Y |
| TAMGA0C48H41SA | Y | Y |
| TAMGA0C60H51SA | Y | Y |
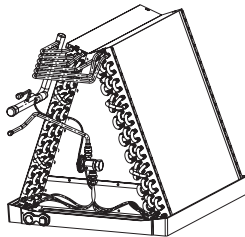


# GCX - Coils

- "A" Coil Design
- Electro-Coated Coil
- Copper Tube/ Aluminum Fin Design
- Factory Configured for Upflow  and Horizontal Left
- Field Configurable for Downflow or Horizontal Right
- Factory Installed TXV
- Sweat Connections
- Condensate Drain Pan Included

**Table GEO-16-B — Common Model Configurations**

| Unit Model No. Cased Coil | Unit Model No. Matched Heat Pump | Recommended Airflow (CFM) | Cased Cabinet Dimensions (in.) H x W x D | Supply Connection Width/ Depth | Uncased Dimensions (in.) H x W x D | Shipping Weight (lbs.) | Hydronic Connection In/Out | Condensate Drain Connection, FTP |
|---|---|---|---|---|---|---|---|---|
| GCX_R026 | A1GN022 | 800 | 29.1x20.8x26.0 | 19.0/24.1 | 20.7x20.0x24.9 | 100 | N/A | $^3/_4$ |
| GCX_R026 | A2GN/GE026 | 925 | 29.1x20.8x26.1 | 19.0/24.1 | 20.7x20.0x24.10 | 100 | N/A | $^3/_4$ |
| GCX_R026 | A1GN030 | 980 | 29.1x20.8x26.2 | 19.0/24.1 | 20.7x20.0x24.11 | 100 | N/A | $^3/_4$ |
| GCX_R060 | A1GN036 | 1225 | 29.1x20.8x26.3 | 19.0/24.1 | 20.7x20.0x24.12 | 100 | N/A | $^3/_4$ |
| GCX_R060 | A2GN/GE038 | 1225 | 29.1x20.8x26.4 | 19.0/24.1 | 20.7x20.0x24.13 | 100 | N/A | $^3/_4$ |
| GCX_R060 | A1GN042 | 1425 | 29.1x20.8x26.5 | 19.0/24.1 | 20.7x20.0x24.14 | 100 | N/A | $^3/_4$ |
| GCX_R060 | A1GN048 | 1625 | 29.1x20.8x26.6 | 19.0/24.1 | 20.7x20.0x24.15 | 100 | N/A | $^3/_4$ |
| GCX_R060 | A2GN/GE049 | 1625 | 29.1x20.8x26.7 | 19.0/24.1 | 20.7x20.0x24.16 | 100 | N/A | $^3/_4$ |
| GCX_H060 | A1GN060 | 1760 | 29.1x20.8x26.8 | 19.0/24.1 | 20.7x20.0x24.17 | 100 | $^7/_8$ | $^3/_4$ |
| GCX_H060 | A2GN/GE064 | 1760 | 29.1x20.8x26.9 | 19.0/24.1 | 20.7x20.0x24.18 | 100 | $^7/_8$ | $^3/_4$ |
| GCX_H060 | A1GN070 | 1760 | 29.1x20.8x26.10 | 19.0/24.1 | 20.7x20.0x24.19 | 100 | $^7/_8$ | $^3/_4$ |
| GCX_H060 | A2GN/GE072 | 1760 | 29.1x20.8x26.11 | 19.0/24.1 | 20.7x20.0x24.20 | 100 | $^7/_8$ | $^3/_4$ |

**Geothermal**

**Models listed are representative ONLY. Please refer to model nomenclature for product line configuration.**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-16

# Standard Accessories

**Table GEO-17-A — Accessories**

| Model Number | Description |
|---|---|
| **GL Flow Centers and Accessories** | |
| Pre-assembled with pump(s), 3-way valves with flush ports, internal components injected with foam.  Horizontal or vertical mounting capability.  GL features a Die Cast Brass valve and pump volute, high-impact polystyrene cabinet, GL5PES, and uses GeoLink Connection Kits. | |
| FC1-GL | 1 Grundfos Pump |
| FC2-GL | 2 Grundfos Pumps |
| 2 Brass adapters with P/T plugs for unit connection, 10' reinforced 1" rubber hose for unit to flow center and two 1" GL x 1" hose barb for flow center connection. | |
| CK4L-GLI | Unit Connection Kit 1" GL x 1" Insert |
| **Rubber Hose** | |
| 1" rubber hose for connection from unit to flow center. | |
| RH550 | 50' of 1" Rubber Hose |
| **Geo Storage Tank** | |
| Use with Hot Water Generator Option or Hydronic Storage. | |
| GEO-STORAGE- 80 | $63^1/_4$ x 24 |
| GEO-STORAGE-120 | $63^1/_4$ x 28 |
| **Loop Expansion Tank** | |
| LET | $1^1/_4$ Socket Fusion, $^3/_4$ Gallon Capacity |
| **Anti-Freeze** | |
| EN2-D | 55 Gallon Drum - Environol 2000 Pure |
| EN2-P | 5 Gallon Pail - Environol 2000 Pure (minimum order quantity for EN2-P is 5 pails.) |
| **Premier IntelliZone 4 Zone Control - with Cabinet and 10' Blower Wiring Harness** | |
| Multiple level zone calls communicate exact zone load requirements. Controls up to 4 zones with dual capacity compressor (2 with single-speed compressor). Direct control of ECM2 fan motor to match needs of the space. Five fan speeds on line, up to 12 speeds available. Zone sizes as small as 25% of whole house (dual capacity compressor). Individual zone selectable savings or comfort mode. Four upstaging options: normal, quicker, faster or faster with timer for various application scenarios. | |
| ZCK4 | See Parts and Accessories Catalog for Rectangular and Round Dampers |
| ZTK240 | Zone Transformer Kit - 208/240V - 24V |
| ZBHE | Zone Blower Harness Extension - 10', Extends ECM2 Harness |
| **Earth Loop Flushing System①** | |
| High volume, high head, self-priming pump. Quick connect hoses. Heavy duty design. Mounted on a cart. All pipe is schedule 80 polypropolene. | |
| LFC-F | |
| GL-FP | 1" Cam Lever Male Elbow for Flush Port. |
| **Adapter Sets** | |
| 2 pcs. included in each set. | |
| 92B025-99 | Unit Connector Insulation Kit. |
| GLGH | Garden Hose Adapter for Loop Pump Replacement. |
| **Service Tool Kit** | |
| Includes 0-100 PSI Pressure Gauge, Pressure Gauge to PT Port Adapter, Digital Thermometer, Loop Pressurizer, Alcohol Specific Gravity Hygrometer. | |
| GEOTHERMAL-STK | 99P247A01, LP1, CAMT, 11P538A01, 11P538A02 (Includes DPT160, PG100, GA125) |

Note: See Parts and Accessories Catalog for Complete Listing of Geothermal Accessory Items.

**Geothermal**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.
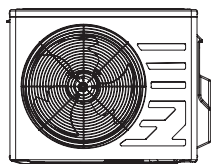
GEO-17

Effective 1/1/13
14-1011-29

# Ductless Mini-Split System
# Single Phase – ½-3 Tons

**4TXK85**

**4MXW85**

**Table DU-1-A — 18 SEER R-410A Mini-Split System HP — Single Phase, 1/2 to 3 Ton①**

| Outdoor Model Number Indoor Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) W | D | H | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size (in) OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4TXK8509A10N0B | 208/230/1/60 | 9,000 | 33.4 | 12.6 | 21.3 | 90.3 | 60 | 10 | 15 | $3/8$ | $1/4$ |
| 4MXW8509A10N0B | 208/230/1/60 | | 33.3 | 7.1 | 10.8 | 28.6 | 42-52 | | | $3/8$ | $1/4$ |
| 4TXK8512A10N0B | 208/230/1/60 | 12,000 | 33.4 | 12.6 | 23.2 | 96.9 | 62 | 10 | 15 | $3/8$ | $1/4$ |
| 4MXW8512A10N0B | 208/230/1/60 | | 33.3 | 7.1 | 10.8 | 28.6 | 43-54 | | | $3/8$ | $1/4$ |
| 4TXK8518A10N0B | 208/230/1/60 | 18,000 | 37.6 | 15.6 | 27.6 | 110.1 | 65 | 16 | 20 | $1/2$ | $1/4$ |
| 4MXW8518A10N0B | 208/230/1/60 | | 37 | 7.9 | 11.7 | 37.4 | 45-59 | | | $1/2$ | $1/4$ |
| 4TXK8524A10N0B | 208/230/1/60 | 21,400 | 38.6 | 16.8 | 31.1 | 145.3 | 68 | 16 | 20 | $5/8$ | $1/4$ |
| 4MXW8524A10N0B | 208/230/1/60 | | 39.6 | 8.6 | 12.4 | 46.2 | 47-63 | | | $5/8$ | $1/4$ |
| 4TXK8536A10N0B | 208/230/1/60 | 33,600 | 38.6 | 16.8 | 31.1 | 170 | 75 | 23 | 35 | $5/8$ | $1/4$ |
| 4MXW8536A10N0B | 208/230/1/60 | | 53.1 | 10 | 12.8 | 59.5 | 63-69 | | | $5/8$ | $1/4$ |

**4TXK65**

**4MXW65**

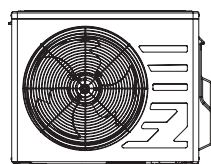**Table DU-1-B — 16 SEER R-410A Mini-Split System HP — Single Phase, 1/2 to 2 Ton①**

| Outdoor Model Number Indoor Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) W | D | H | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size (in) OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4TXK6509A10N0B | 208/230/1/60 | 9,000 | 27.9 | 12.5 | 21.7 | 72.7 | 59 | 10 | 15 | $3/8$ | $1/4$ |
| 4MXW6509A10N0B | 208/230/1/60 | | 30.3 | 7.9 | 11.1 | 25.3 | 36-53 | | | $3/8$ | $1/4$ |
| 4TXK6512A10N0B | 208/230/1/60 | 12,000 | 27.9 | 12.5 | 21.7 | 77.1 | 62 | 10 | 15 | $3/8$ | $1/4$ |
| 4MXW6512A10N0B | 208/230/1/60 | | 30.3 | 7.9 | 11.1 | 26.4 | 38-54 | | | $3/8$ | $1/4$ |
| 4TXK6518A10N0B | 208/230/1/60 | 18,000 | 37.6 | 15.6 | 27.6 | 114.5 | 66 | 15 | 25 | $1/2$ | $1/4$ |
| 4MXW6518A10N0B | 208/230/1/60 | | 34.1 | 8.5 | 12 | 35.2 | 43-58 | | | $1/2$ | $1/4$ |
| 4TXK6524A10N0B | 208/230/1/60 | 22,000 | 37.6 | 15.6 | 27.6 | 125.5 | 56 | 16 | 25 | $1/2$ | $1/4$ |
| 4MXW6524A10N0B | 208/230/1/60 | | 39.7 | 8.7 | 12.4 | 44 | 44-59 | | | $1/2$ | $1/4$ |

**4TYK65**

**4MYW65**

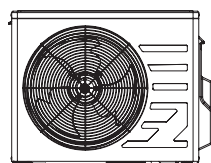**Table DU-1-C — 16 SEER R-410A Mini-Split System AC — Single Phase, 1/2 to 2 Ton①**

| Outdoor Model Number Indoor Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) W | D | H | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size (in) OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4TYK6509A10N0B | 208/230/1/60 | 9,000 | 28 | 12.5 | 21.7 | 72.7 | 59 | 10 | 15 | $3/8$ | $1/4$ |
| 4MYW6509A10N0B | 208/230/1/60 | | 30.3 | 7.9 | 11.1 | 25.3 | 36-53 | | | $3/8$ | $1/4$ |
| 4TYK6512A10N0B | 208/230/1/60 | 12,000 | 28 | 12.5 | 21.7 | 77.1 | 62 | 10 | 15 | $3/8$ | $1/4$ |
| 4MYW6512A10N0B | 208/230/1/60 | | 30.3 | 7.9 | 11.1 | 26.4 | 38-54 | | | $3/8$ | $1/4$ |
| 4TYK6518A10N0B | 208/230/1/60 | 18,000 | 37.6 | 15.6 | 27.6 | 114.5 | 66 | 15 | 25 | $1/2$ | $1/4$ |
| 4MYW6518A10N0B | 208/230/1/60 | | 34.1 | 8.5 | 12 | 35.2 | 43-58 | | | $1/2$ | $1/4$ |
| 4TYK6524A10N0B | 208/230/1/60 | 22,000 | 37.6 | 15.6 | 27.6 | 123.3 | 66 | 16 | 25 | $1/2$ | $1/4$ |
| 4MYW6524A10N0B | 208/230/1/60 | | 39.7 | 8.7 | 12.4 | 44 | 44-59 | | | $1/2$ | $1/4$ |

① See AHRI for approved combinations and ratings.

\* Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.
\*\* Rated in accordance with AHRI Standard 270-2008.

**Ductless**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

DU-1

Effective 1/1/13
14-1011-29

# Ductless Multi-Split System
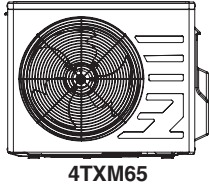# Single Phase – ½ - 3-½ Tons

**4TXM65**

### Table DU-2-A — R-410A Multi-Split System AC — Single Phase①②③

| Outdoor Model Number Indoor Model Number | Power Supply | Nom. Cap. Cooling (BTUH)④ | Uncrated Dimensions(in.) W | D | H | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size (in) OD Gas | OD Liq. | No. of Circuits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4TXM6518A1020A | 208/230/1/60 | 18,000 | 35.4 | 14.9 | 23.5 | 105.6 | 66 | 15 | 20 | $^3/_8$ | $^1/_4$ | 2 |
| 4TXM6524A1030A | 208/230/1/60 | 24,000 | 37.2 | 15.6 | 27.6 | 145.2 | 66 | 20 | 30 | $^3/_8$ | $^1/_4$ | 3 |
| 4TXM6530A1040A | 208/230/1/60 | 30,000 | 37.2 | 15.6 | 27.6 | 147.4 | 66 | 26 | 45 | $^3/_8$ | $^1/_4$ | 4 |
| 4TXM6542A1050A | 208/230/1/60 | 42,000 | 40.0 | 17.3 | 43.4 | 246.4 | 68 | 26 | 40 | $^3/_8$ | $^1/_4$ | 5 ⑤ |

**4MXW85**

### Table DU-2-B — 16 SEER R-410A Multi-Split System HP — Single Phase②

| Outdoor Model Number Indoor Model Number | Power Supply | Nom. Cap. Cooling (BTUH) | Uncrated Dimensions(in.) W | D | H | Shipping Weight (lbs.) | Sound** Rating | MCA* | Max. Fuse* | Line Size (in) OD Gas | OD Liq. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4MXW8509A10N0B | 208/230/1/60 | 9,000 | 33.3 | 7.1 | 10.8 | 28.6 | 42-52 | | | $^3/_8$ | $^1/_4$ |
| 4MXW8512A10N0B | 208/230/1/60 | 12,000 | 33.3 | 7.1 | 10.8 | 28.6 | 43-54 | | | $^3/_8$ | $^1/_4$ |
| 4MXW8518A10N0B | 208/230/1/60 | 18,000 | 37 | 7.9 | 11.7 | 37.4 | 45-59 | | | $^1/_2$ | $^1/_4$ |
| 4MXW8524A10N0B | 208/230/1/60 | 21,400 | 39.6 | 8.6 | 12.4 | 46.2 | 47-63 | | | $^5/_8$ | $^1/_4$ |
| 4MXW8536A10N0B | 208/230/1/60 | 33,600 | 53.1 | 10 | 12.8 | 59.5 | 63-69 | | | $^5/_8$ | $^1/_4$ |

① Units are matched with 4MXW85 indoor units.
② See AHRI for allowable combinations and ratings.
③ Because of limited capabilities, please refer to the product ratings for approved combinations.
④ Capacity varies depending on the indoor unit matches.
⑤ Includes two 3/8 x 1/4 circuits, two 1/2 x 1/4 circuits, and one 5/8 x 3/8 circuit.

**\*** Information subject to change. Please confirm with current Product Data/Service Facts for current factory production.

**\*\*** Rated in accordance with AHRI Standard 270-2008.

**Ductless**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

DU-2

Effective 1/1/13
14-1011-29

# Ductless Multi-Split System
# Single Phase – ½ - 3-½ Tons

**Table DU-3-A — Ductless Multi-split system approved combinations**

| Outdoor Unit | One Unit | Two Units | | Three Units | | | Four Units | | Five Units |
|---|---|---|---|---|---|---|---|---|---|
| **4TXM6518A1020B** | 9 | 9+9 | | | | | | | |
| | 12 | 9+12 | | | | | | | |
| **4TMX6524A1030B** | | 9+9 | 9+12 | 9+9+9 | 9+12+12 | | | | |
| | | 9+18 | 12+12 | 9+9+12 | 9+9+18 | | | | |
| | | 12+18 | 18+18 | 12+12+12 | | | | | |
| **4TXM6530A1040B** | | 9+9 | 9+12 | 9+9+9 | 9+12+18 | 9+9+9+9 | | | |
| | | 9+18 | 12+12 | 9+9+12 | 12+12+12 | 9+9+9+12 | | | |
| | | 12+18 | 18+18 | 9+9+18 | 12+02+18 | 9+9+12+12 | | | |
| | | | | 9+12+12 | | | | | |
| **4TMX6542A1050B** | | 9+9 | | 9+9+9 | 12+12+12 | 9+9+9+9 | 9+12+12+21 | 9+9+9+9+9 | |
| | | 9+12 | | 9+9+12 | 12+12+18 | 9+9+9+12 | 9+12+12+24 | 9+9+9+9+12 | |
| | | 9+18 | | 9+9+18 | 12+12+21 | 9+9+9+18 | 9+12+18+18 | 9+9+9+9+18 | |
| | | 9+21 | | 9+9+21 | 12+12+24 | 9+9+9+21 | 9+12+18+21 | 9+9+9+9+21 | |
| | | 9+24 | | 9+9+24 | 12+18+18 | 9+9+9+24 | 9+12+21+21 | 9+9+9+9+24 | |
| | | 12+12 | | 9+12+12 | 12+18+21 | 9+9+12+12 | 9+18+18+18 | 9+9+9+12+12 | |
| | | 12+18 | | 9+12+18 | 12+18+24 | 9+9+12+18 | 12+12+12+12 | 9+9+9+12+18 | |
| | | 12+21 | | 9+12+21 | 12+21+21 | 9+9+12+21 | 12+12+12+18 | 9+9+9+12+21 | |
| | | 12+24 | | 9+12+24 | 12+21+24 | 9+9+12+24 | 12+12+12+21 | 9+9+9+18+18 | |
| | | 18+18 | | 9+18+18 | 12+24+24 | 9+9+18+18 | 12+12+12+24 | 9+9+12+12+12 | |
| | | 18+21 | | 9+18+21 | 18+18+18 | 9+9+18+21 | 12+12+18+18 | 9+9+12+12+18 | |
| | | 18+24 | | 9+18+24 | 18+18+21 | 9+9+18+24 | 12+12+18+21 | 9+9+12+12+21 | |
| | | 21+21 | | 9+21+21 | 18+18+24 | 9+9+21+21 | | 9+12+12+12+12 | |
| | | 21+24 | | 9+21+24 | 18+21+21 | 9+12+12+12 | | 9+12+12+12+18 | |
| | | 24+24 | | 9+24+24 | 21+21+21 | 9+12+12+18 | | 12+12+12+12+12 | |

Notes:
See AHRI for approved combinations and ratings
9 = 4MXW8509A10N0B
12 = 4MXW8512A10N0B
18 = 4MXW8518A10N0B
21 = 4MXW8521A10N0B (available soon)
24= 4MXW8524A10N0B

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

**Ductless**

# Ductless Mini-split and Multi Split

## Table DU-4-A — Features

| Feature | 4TXK85 Mini-split HP 18 SEER | 4TXK65 Mini-split HP 16 SEER | 4TYK65 Mini-split AC 16 SEER | 4TXM65 Multi-split 16-22 SEER |
|---|:---:|:---:|:---:|:---:|
| • R410-A refrigerant | ✔ | ✔ | ✔ | ✔ |
| • Flexibility to accomodate to different applications | — | — | — | ✔ |
| • Connect up to 5 indoor units to a single condensing unit | — | — | — | ✔ |
| • Nominal capacity 9-24 MBH | — | ✔ | ✔ | — |
| • Nominal capacity 9-36 MBH | ✔ | — | — | ✔ |
| • Nominal capacity 10-42 MBH | — | — | — | ✔ |
| • Cooling efficiency 16 SEER | — | ✔ | ✔ | ✔ |
| • Cooling efficiency range 16-22 SEER | ✔ | — | — | — |
| • Heating efficiency range 8-8.5 HSPF | — | ✔ | ✔ | ✔ |
| • Heating efficiency range 8.2-10 HSPF | ✔ | — | — | — |
| • Cooling or Heat Pump | ✔ | ✔ | — | ✔ |
| • Cooling only | — | — | ✔ | — |
| • Low sound level | ✔ | ✔ | ✔ | ✔ |
| • Blue fin anti-corrosion treatment | ✔ | ✔ | — | ✔ |
| • Energy Star qualified | ✔ | — | — | — |
| • ETL and AHRI listed | ✔ | ✔ | ✔ | ✔ |
| • Sleep mode function | ✔ | ✔ | ✔ | ✔ |
| • Memory reset function | ✔ | ✔ | ✔ | ✔ |
| • Low ambient cooling to 0 degrees F | ✔ | ✔ | ✔ | ✔ |
| • Improved air quiality with active carbon and catechin filters | ✔ | ✔ | ✔ | ✔ |
| • **Registered limited warranty 5-year on all other functional parts (Residential Use)①** | ✔ | ✔ | ✔ | ✔ |
| • **Optional extended warranties available** | ✔ | ✔ | ✔ | ✔ |

① Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at americanstandardair.com or by phone at 800-554-8005; otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on ASDealerNet.com.

**See the Service First Mini-Split Accessory Catalog for the complete accessory list.**

## Table DU-4-B — Optional outdoor unit accessories

| Model Number | Description | 4TXK85 Mini-split HP 18 SEER | 4TXK65 Mini-split HP 16 SEER | 4TYK65 Mini-split AC 16 SEER | 4TXM65 Multi-split 16-22 SEER |
|---|---|:---:|:---:|:---:|:---:|
| TAYREFLN050 | Lineset Kit $1/4$ x $3/8$ - 25' | ✔ | ✔ | ✔ | ✔ |
| TAYREFLN055 | Lineset Kit $1/4$ x $3/8$ - 35' | ✔ | ✔ | ✔ | ✔ |
| TAYREFLN060 | Lineset Kit $1/4$ x $3/8$ - 50' | ✔ | ✔ | ✔ | ✔ |
| TAYREFLN560 | Lineset Kit $1/4$ x $1/2$ - 25' | ✔ | ✔ | ✔ | ✔ |
| TAYREFLN565 | Lineset Kit $1/4$ x $1/2$ - 35' | ✔ | ✔ | ✔ | ✔ |
| TAYREFLN570 | Lineset Kit $1/4$ x $1/2$ - 50' | ✔ | ✔ | ✔ | ✔ |
| TAYREFLN155 | Lineset Kit $1/4$ x $5/8$ - 25' | ✔ | — | — | ✔ |
| TAYREFLN160 | Lineset Kit $1/4$ x $5/8$ - 35' | ✔ | — | — | ✔ |
| TAYREFLN165 | Lineset Kit $1/4$ x $5/8$ - 50' | ✔ | — | — | ✔ |

## Table DU-4-C — Optional indoor unit accessories

| Model Number | Description | 4TXW85 Mini-split Indoor 18 SEER | 4MXW65 Mini-split Indoor 16 SEER | 4MYW65 Mini-split Indoor 16 SEER |
|---|---|:---:|:---:|:---:|
| BAYFTHW01P2A | Active Carbon & Catechin filters for 9 &12 MBH 16 SEER units | ✔ | ✔ | ✔ |
| BAYFTHW02P2A | Active Carbon & Catechin filters for 18 & 24 MBH 16 SEER units and 9, 12, 18 & 24 MBH 18 SEER units | ✔ | ✔ | ✔ |
| BAYFTHW03P2A | Active Carbon & Catechin filters for 36 MBH 18 SEER units | ✔ | ✔ | ✔ |
| AREMOTE1AHAND1 | Wireless controller | ✔ | ✔ | ✔ |

**Ductless**

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/13
14-1011-29

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