

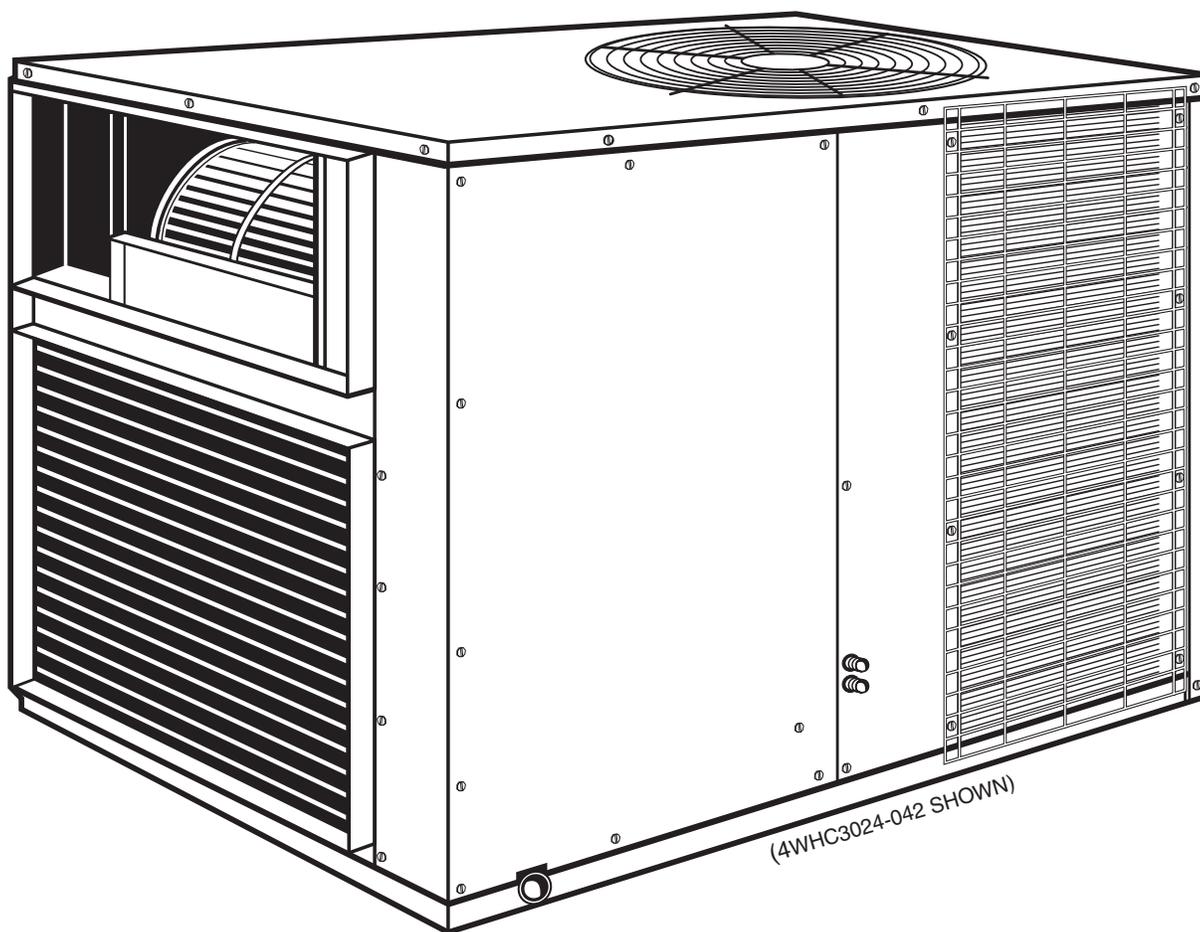


TRANE®

22-1830-04

Product Data

4WHC3024 through 4WHC3060
Packaged Horizontal - Over/Under
Heat Pump
2 - 5 Ton
R-410A



It's Hard to Stop a Trane.

HORIZONTAL PACKAGED HEAT PUMPS

Trane's 4WHC3 packaged heat pumps are designed for efficiency, reliability and easy installation.

Reliable electronic Demand Defrost, rugged compressor, filter drier and thermal expansion devices are the backbone of Trane heat pump. We have also made installation easier and less costly by standardizing the cabinet and accessories. Two standardized cabinet designs (one cabinet design for the 2-3-1/2 ton models and one cabinet design for the 4-5 ton models).

Better Installability

These heat pump units have an over/under horizontal configuration which provides an efficient airflow delivery. This dedicated design eliminates the need for any unit conversion, saving field labor and installed cost.

Better Serviceability

With standardized cabinet designs, all components were designed to be located in the same location, regardless of unit size. Our timesaving rotolock compressor fittings provide easy removal if service on the compressor is required.

A simplified control panel that features colored and numbered wire is standard on all products. This aids in reducing troubleshooting time when wire tracing is required. And easy access to all major components can be accomplished by removing quick service access panels.

Unmatched Quality and Reliability

All major components on these products, including the compressor, have been designed and manufactured for maximum service. Every Climatuff® compressor is designed and manufactured to exacting specifications. Each design is life tested in extreme environments to ensure reliable and long lasting operation in normal applications. Each compressor has internal motor protection for added reliability.

Design Features

- Climatuff® compressor, designed and manufactured to provide reliable, economical operation
- Internal pressure relief and internal overload protection
- Multi-speed indoor fan motor on 4WHC3024-036 models, and variable speed Direct Drive blower motor on 4WHC3042, 3048-060 models.
- External pressure taps for refrigerant check

- Thermal expansion valve refrigerant control
- Demand defrost control system
- Reliable, solenoid-operated reversing valve
- Copper tube, aluminum plate fin coils
- Polarized plug for easy field connection of low voltage to supplementary heater
- Low ambient cooling to 45° F. as manufactured; to 0° F. with accessory
- Duct flanges

- Certified to UL Standard 1995 and A.H.R.I. standards
- Outdoor coil guard

Accessories

- Supplemental Electric Heaters
- Thermostats
- Low ambient cooling to 0° F.

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Optional Equipment Listing

OPTIONAL EQUIPMENT FOR 4WHC3 PACKAGED UNITS (check mark [✓] indicates accessories included)

Anti-Short Cycle Timer (All 4WHC3) ①②	1BAYASCT001[]
Extreme Conditions Mounting Kit - curb mount (All 4WHC3)	BAYECMT002A[]
Extreme Conditions Mounting Kit - slab or rack mount (All 4WHC3)	BAYECMT003A[]
Low Ambient Cooling Kit (All 4WHC3)	BAYLOAM011A[]
5 Minute Delay Relay (All 4WHC3) ②	TAYASCT501A[]
3Heat/2Cig (All 4WHC3)	TCONT402A[]
2Heat/2Cig (All 4WHC3)	TCONT602A[]
3Heat/2Cig (All 4WHC3)	TCONT802A[]
3Heat/2Cig w/Humidity Control (All 4WHC3)	TCONT803A[]

- NOTES: ① Not for use with electronic thermostats
 ② Activated on Power Off

General Data

MODEL	4WHC3024A1000A	4WHC3030A1000A	4WHC3036A1000A	4WHC3042A1000A
RATED Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Performance (COOLING) ①				
BTUH	25400	29400	35600	41500
Indoor Airflow (CFM)	800	1000	1200	1400
Power Input (KW)	2.12	2.45	3.24	3.77
EER/SEER (BTU/Watt-Hr.) ⑥	12.00 / 13.5	12 / 14	11 / 13	11 / 13
Sound Power Rating [dB(A)] ②	76	75	75	77
Performance (HEATING) ①				
(High Temp.) BTUH - C.O.P.	23000 - 3.4	27800 - 3.70	36600 - 3.7	39500 - 3.5
Power Input (KW)	1.99	2.2	2.9	3.31
(Low Temp.) BTUH - C.O.P.	11800 - 2.07	14100 - 2.29	20200 - 2.48	23600 - 2.26
Power Input (KW)	1.67	1.82	2.39	3.06
HSPF (BTU / Watt-Hr.) ⑥	7.7	8	8	7.7
POWER CONN.—V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Min. Brch. Cir. Ampacity ③	14	19	22	31
Fuse Size—Max. (amps)	20	30	35	50
Fuse Size—Recmd. (Amps)	20	30	35	50
COMPRESSOR	RECIP	RECIP	RECIP	SCROLL
No. Used—No. Speeds	1 - 1	1 - 1	1 - 1	1 - 1
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
R.L. Amps—L.R. Amps	8.3 - 57.8	11.1 - 63	13.2 - 71.8	18.6 - 105
OUTDOOR COIL—TYPE	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN
Rows/F.P.I.	2 / 22	2 / 22	2 / 22	2 / 22
Face Area (sq.ft.)	11.2	11.2	11.2	12.3
Tube Size (in.)	3/8	3/8	3/8	3/8
Refrigerant Control	TXV-NB	TXV-NB	TXV-NB	TXV-NB
INDOOR COIL—TYPE	PLATE FIN	PLATE FIN	PLATE FIN	PLATE FIN
Rows/F.P.I.	4 / 12	4 / 12	4 / 12	5 / 15
Face Area (sq.ft.)	3.44	3.44	3.44	3.44
Tube Size (in.)	3/8	3/8	3/8	3/8
Refrigerant Control	TXV-NB	TXV-NB	TXV-NB	TXV-NB
Drain Conn. Size (in.)	3/4 FEMALE PVC	3/4 FEMALE PVC	3/4 FEMALE PVC	3/4 FEMALE PVC
Duct Connections	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING
OUTDOOR FAN —TYPE	PROPELLER	PROPELLER	PROPELLER	PROPELLER
No. Used/Dia. (in.)	1 / 20	1 / 20	1 / 20	1 / 20
Type Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. ④	2500	2500	2500	2600
No. Motors—HP	1 - 1/5	1 - 1/5	1 - 1/5	1 - 1/5
Motor Speed R.P.M.	850	850	850	850
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps—L.R. Amps	1.0 - 2.2	1.0 - 2.2	1.0 - 2.2	1.0 - 2.2
INDOOR FAN—TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Dia x Width (in.)	9 X 9	10 X 10	10 X 10	10 X 10
No. Used	1	1	1	1
Drive / Speeds (No.)	DIRECT / 2	DIRECT / 2	DIRECT / 2	DIRECT / Variable
CFM vs. in. w.g. ⑤	SEE FAN PERF TABLE			
No. Motors—HP	1 - 0.25	1 - 0.5	1 - 0.5	1 - 0.75
Motor Speed R.P.M.	1075	1050	1050	VARIABLE
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps	1.8	4.1	4.1	6.8
FILTER / FURNISHED	NO	NO	NO	NO
Type Recommended	THROWAWAY	THROWAWAY	THROWAWAY	THROWAWAY
Min. Face Area ⑦	2.67	3.33	4.00	4.67
REFRIGERANT				
Charge (lbs. of R-410A)	8.8 lbs	8.5 lbs	9.2 lbs	9.2 lbs
DIMENSIONS				
H X W X D	H X W X D	H X W X D	H X W X D	H X W X D
Crated (in.)	36 X 33-13/16 X 48	36 X 33-13/16 X 48	36 X 33-3/4 X 48	36 X 33-3/4 X 48
Uncrated	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING
WEIGHT				
Shipping (lbs.)	345	345	345	353
Net (lbs.)	298	298	298	306

① Certified in accordance with the Unitary Air-Conditioner Equipment certification program, which is based on AHRI Standard 210/240.

② Sound Power values are not adjusted for AHRI 270-95 tonal corrections.

③ Calculated in accordance with currently prevailing Nat'l Electrical Code.

④ Standard Air — Dry Coil — Outdoor.

⑤ Standard Air — Wet Coil — Indoor.

⑥ Rated in accordance with D.O.E. test procedure.

⑦ Filters must be installed in return air system. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendations with clean resistance of 0.05" W.C.

General Data

MODEL	4WHC3048A1000A	4WHC3060A1000A
RATED Volts/Ph/Hz	208-230/1/60	208-230/1/60
Performance (COOLING) ①		
BTUH	47000	60000
Indoor Airflow (CFM)	1600	1950
Power Input (KW)	4.27	5.55
EER/SEER (BTU/Watt-Hr.) ⑥	11 / 13.5	10.8 / 13
Sound Power Rating [dB(A)] ②	84	84
Performance (HEATING) ①		
(High Temp.) BTUH - C.O.P.	44500 - 3.5	57000 - 3.5
Power Input (KW)	3.73	4.77
(Low Temp.) BTUH - C.O.P.	27300 - 2.21	34700 - 2.26
Power Input (KW)	3.53	4.52
HSPF (BTU / Watt-Hr.) ⑥	7.7	7.7
POWER CONN.—V/Ph/Hz	208-230/1/60	208-230/1/60
Min. Brch. Cir. Ampacity ③	37	43
Fuse Size—Max. (amps)	50	60
Fuse Size—Recmd. (Amps)	50	60
COMPRESSOR	SCROLL	SCROLL
No. Used—No. Speeds	1 - 1	1 - 1
Volts/Ph/Hz	208-230/1/60	208-230/1/60
R.L. Amps—L.R. Amps	21.8 - 117	26.3 - 134
OUTDOOR COIL—TYPE	PLATE FIN	PLATE FIN
Rows/F.P.I.	2 / 22	2 / 22
Face Area (sq.ft.)	14.31	14.31
Tube Size (in.)	3/8	3/8
Refrigerant Control	TXV-NB	TXV-NB
INDOOR COIL—TYPE	PLATE FIN	PLATE FIN
Rows/F.P.I.	3 / 16	4 / 16
Face Area (sq.ft.)	5.31	5.31
Tube Size (in.)	3/8	3/8
Refrigerant Control	TXV-NB	TXV-NB
Drain Conn. Size (in.)	3/4 FEMALE PVC	3/4 FEMALE PVC
Duct Connections	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING
OUTDOOR FAN — TYPE	PROPELLER	PROPELLER
No. Used/Dia. (in.)	1 / 22	1 / 22
Type Drive/No. Speeds	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. ④	4100	4100
No. Motors—HP	1 - 1/2	1 - 1/2
Motor Speed R.P.M.	1080	1080
Volts/Ph/Hz	208-230/1/60	208-230/1/60
F.L. Amps—L.R. Amps	3.4 - 7.7	2.8 - 6.6
INDOOR FAN—TYPE	CENTRIFUGAL	CENTRIFUGAL
Dia x Width (in.)	11 X 11	11 X 11
No. Used	1	1
Drive / Speeds (No.)	DIRECT / VAR	DIRECT / VAR
CFM vs. in. w.g. ⑤	SEE FAN PERF TABLE	SEE FAN PERF TABLE
No. Motors—HP	1 - 0.75	1 - 1.0
Motor Speed R.P.M.	VARIABLE	VARIABLE
Volts/Ph/Hz	208-230/1/60	208-230/1/60
F.L. Amps	6.8	6.9
FILTER / FURNISHED	NO	NO
Type Recommended	THROWAWAY	THROWAWAY
Min. Face Area ⑦	5.33	6.67
REFRIGERANT		
Charge (lbs. of R-410A)	9 lbs.	10.3 lbs.
DIMENSIONS	H X W X D	H X W X D
Crated (in.)	39-3/8 X 47 X 66	39-3/8 X 47 X 66
Uncrated	SEE OUTLINE DRAWING	SEE OUTLINE DRAWING
WEIGHT		
Shipping (lbs.)	520	537
Net (lbs.)	448	465

① Certified in accordance with the Unitary Air-Conditioner Equipment certification program, which is based on AHRI Standard 210/240.

② Sound Power values are not adjusted for AHRI 270-95 tonal corrections.

③ Calculated in accordance with currently prevailing Nat'l Electrical Code.

④ Standard Air — Dry Coil — Outdoor.

⑤ Standard Air — Wet Coil — Indoor.

⑥ Rated in accordance with D.O.E. test procedure.

⑦ Filters must be installed in return air system. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendations with clean resistance of 0.05" W.C.

Heater Data

UNIT MODEL	ELECTRIC HEATER MODEL	RATED VOLTAGE	PHASE	HEATER CAPACITY		NO. OF STAGES	KW/STAGE		MCA (2)	MAX. FUSE OR HACR CKT BKR SIZE (4)	CANADA ONLY MAX. CKT BKR SIZE (5)
				KW	BTUH		1	2			
4WHC3024A1000**	BAYHTRC106A	208/240	1	4.33/5.76	14800/19600	1	4.33/5.76	---	26/30(3)	30/30	30/30
	BAYHTRC111A	208/240	1	7.93/10.56	27000/36000	1	7.93/10.56	---	48/55(3)	50/60	50/60
4WHC3030A1000**	BAYHTRC106A	208/240	1	4.33/5.76	14800/19600	1	4.33/5.76	---	26/30(3)	30/30	30/30
	BAYHTRC111A	208/240	1	7.93/10.56	27000/36000	1	7.93/10.56	---	48/55(3)	50/60	50/60
	BAYHTRC117A#	208/240	1	12.98/17.28	44300/59000	1	12.98/17.28	---	78/90(3)	80/90	100/100
4WHC3036A1000**	BAYHTRC106A	208/240	1	4.33/5.76	14800/19600	1	4.33/5.76	---	26/30(3)	30/30	30/30
	BAYHTRC109A	208/240	1	6.12/8.16	20900/27800	1	6.12/8.16	---	37/43(3)	40/45	40/50
	BAYHTRC111A	208/240	1	7.93/10.56	27000/36000	1	7.93/10.56	---	48/55(3)	50/60	50/60
	BAYHTRC117A#	208/240	1	12.98/17.28	44300/59000	1	12.98/17.28	---	78/90(3)	80/90	100/100
4WHC3042A1000**	BAYHTRC106A	208/240	1	4.33/5.76	14800/19600	1	4.33/5.76	---	26/30(3)	30/30	30/30
	BAYHTRC109A	208/240	1	6.12/8.16	20900/27800	1	6.12/8.16	---	37/43(3)	40/45	40/50
	BAYHTRC111A	208/240	1	7.93/10.56	27000/36000	1	7.93/10.56	---	48/55(3)	50/60	50/60
	BAYHTRC117A#	208/240	1	12.98/17.28	44300/59000	1	12.98/17.28	---	78/90(3)	80/90	100/100
4WHC3048A1000**	BAYHTRC106A	208/240	1	4.33/5.76	14800/19600	1	4.33/5.76	---	26/30(3)	30/30	30/30
	BAYHTRC109A	208/240	1	6.12/8.16	20900/27800	1	6.12/8.16	---	37/43(3)	40/45	40/50
	BAYHTRC110A	208/240	1	7.93/10.56	27000/36000	1	7.93/10.56	---	48/55(3)	50/60	50/60
	BAYHTRC111A	208/240	1	7.93/10.56	27000/36000	1	7.93/10.56	---	48/55(3)	50/60	50/60
4WHC3060A1000**	BAYHTRC117A#	208/240	1	12.98/17.28	44300/59000	1	12.98/17.28	---	78/90(3)	80/90	100/100
	BAYHTRC106A	208/240	1	4.33/5.76	14800/19600	1	4.33/5.76	---	26/30(3)	30/30	30/30
	BAYHTRC109A	208/240	1	6.12/8.16	20900/27800	1	6.12/8.16	---	37/43(3)	40/45	40/50
	BAYHTRC111A	208/240	1	7.93/10.56	27000/36000	1	7.93/10.56	---	48/55(3)	50/60	50/60

NOTES:

1. Any power supply and circuits must be wired and protected in accordance with local electrical codes.
 - (2) The MCA values listed are for electric heater only.
 3. Field wire must be rated at least 75°C
 - (4) The HACR circuit breaker is for U.S.A. installations only.
 - (5) For Canada installation reference only.
- # Heater uses fuses.

Performance Data

4WHC3024 Indoor Blower Performance

MOTOR SPEED		EXTERNAL STATIC PRESSURE - IN. W.G.				
		0.2	0.3	0.4	0.5	0.6
② LOW	WATTS	273	258	245	229	---
	CFM	875	811	761	697	---
HIGH	WATTS	354	338	325	312	293
	CFM	1047	994	928	864	767

① - WET COIL, NO FILTERS

D675069
4WHC3024

② - FACTORY SETTING

4WHC3030 Indoor Blower Performance

MOTOR SPEED		EXTERNAL STATIC PRESSURE - IN. W.G.			
		0.2①	0.3①	0.4①	0.5①
② LOW	WATTS	220	225	245	---
	CFM	1060	1005	965	---
HIGH	WATTS	260	270	280	285
	CFM	1135	1090	1055	1015

① - WET COIL, NO FILTERS

D672417

② - FACTORY SETTING

4WHC3036 Indoor Blower Performance

MOTOR SPEED		EXTERNAL STATIC PRESSURE (IN. WG)			
		0.2	0.3	0.4	0.5
② LOW	WATTS	325	330	340	350
	CFM	1205	1160	1115	1075
HIGH	WATTS	410	415	410	395
	CFM	1325	1275	1215	1150

① - WET COIL, NO FILTERS

D675039

② - FACTORY SETTING

Performance Data

4WHC3042 Indoor Blower Performance

AIRFLOW SETTING	DIPSWITCH SETTINGS				EXTERNAL STATIC PRESSURE - IN. W.G.											
					.20 ①		.30 ①		.40 ①		.50 ①		.60 ①		.70 ①	
	1	2	3	4	CFM	PWR WATTS	CFM	PWR WATTS	CFM	PWR WATTS	CFM	PWR WATTS	CFM	PWR WATTS	CFM	PWR WATTS
350 CFM/TON	OFF	OFF	OFF	ON	1235	356	1238	391	1246	433	1245	466	1247	500	1250	538
400 CFM/TON ②	OFF	OFF	OFF	OFF	1408	505	1410	529	1415	574	1415	609	1408	637	1380	633
450 CFM/TON	OFF	OFF	ON	OFF	1572	613	1576	651	1569	683	1545	700	1540	720	1531	738

① - WET COIL, NO FILTERS

D674982

② - FACTORY SETTING

4WHC3048 Indoor Blower Performance

AIRFLOW SETTING	DIPSWITCH SETTINGS				EXTERNAL STATIC PRESSURE - IN. W.G.											
					.20 ①		.30 ①		.40 ①		.50 ①		.60 ①		.70 ①	
	1	2	3	4	CFM	PWR WATTS	CFM	PWR WATTS	CFM	PWR WATTS	CFM	PWR WATTS	CFM	PWR WATTS	CFM	PWR WATTS
350 CFM/TON	OFF	OFF	OFF	ON	1380	160	1390	195	1390	225	1390	260	1390	290	1365	335
400 CFM/TON ②	OFF	OFF	OFF	OFF	1613	225	1625	260	1640	305	1640	340	1640	370	1625	405
450 CFM/TON	OFF	OFF	ON	OFF	1760	270	1770	310	1775	345	1785	390	1785	435	1785	480

① - WET COIL, NO FILTERS ② - FACTORY SETTING

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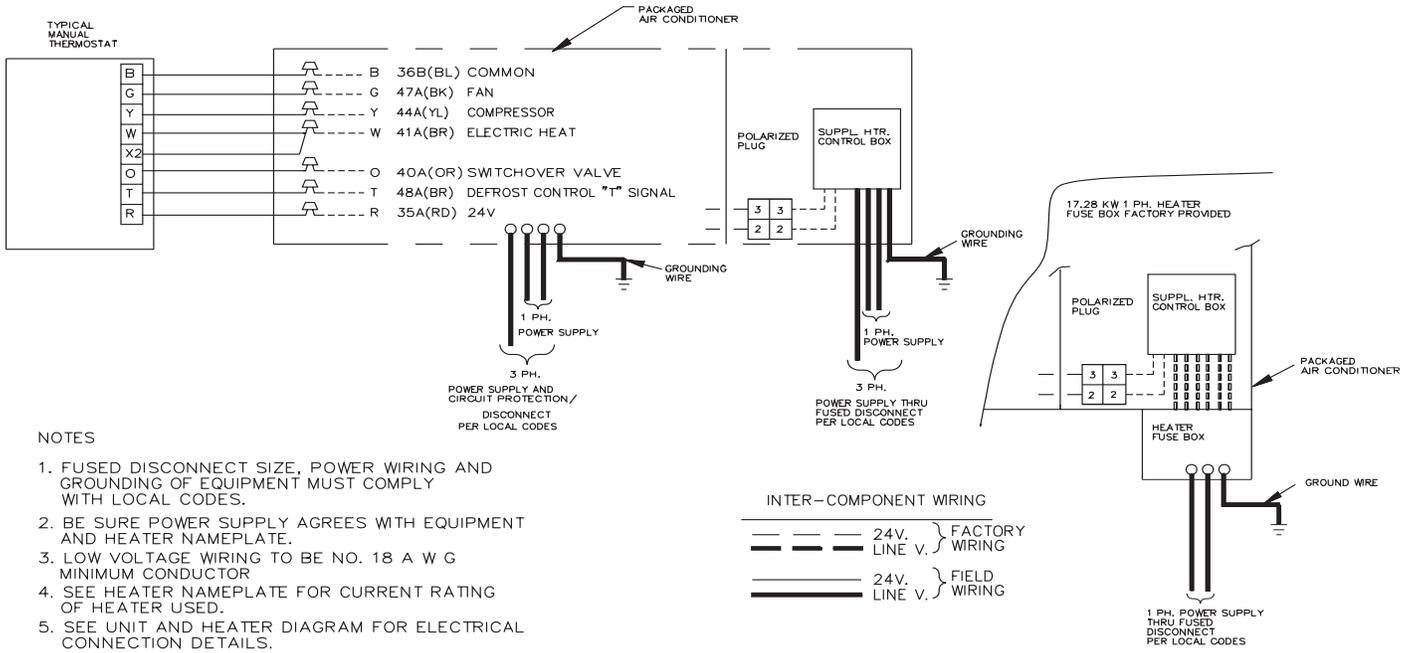
4WHC3060 Indoor Blower Performance

AIRFLOW SETTING	DIPSWITCH SETTINGS				EXTERNAL STATIC PRESSURE - IN. W.G.																	
					.20 ①			.30 ①			.50 ①			.70 ①			.90 ①			1.0 ①		
	1	2	3	4	CFM	PWR WATTS	BHP	CFM	PWR WATTS	BHP	CFM	PWR WATTS	BHP	CFM	PWR WATTS	BHP	CFM	PWR WATTS	BHP	CFM	PWR WATTS	BHP
350 CFM/TON	OFF	OFF	OFF	ON	1740	285	.26	1750	395	.31	1725	395	.37	1710	470	.43	1675	550	.51	1650	335	.55
400 CFM/TON ②	OFF	OFF	OFF	OFF	1990	385	.36	2010	520	.41	2020	520	.48	2005	590	.55	1990	690	.64	1895	405	.68
450 CFM/TON	OFF	OFF	ON	OFF	2165	665	.62	2170	820	.76	2150	820	.76	2150	830	.77	2150	855	.79	---	---	---

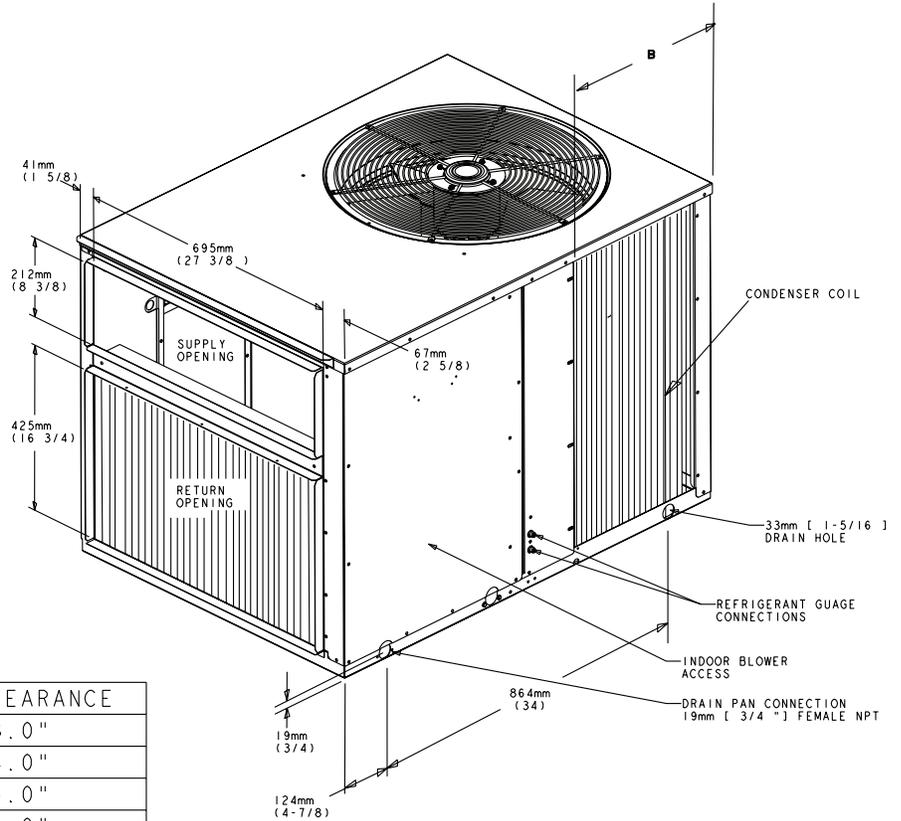
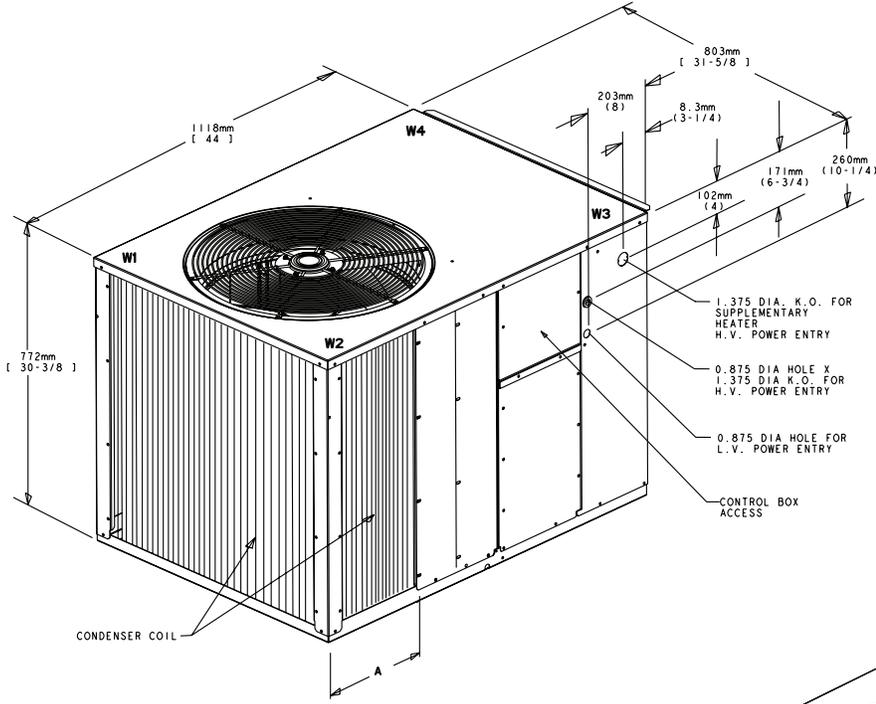
① - WET COIL, NO FILTERS ② - FACTORY SETTING

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Field Wiring Diagram



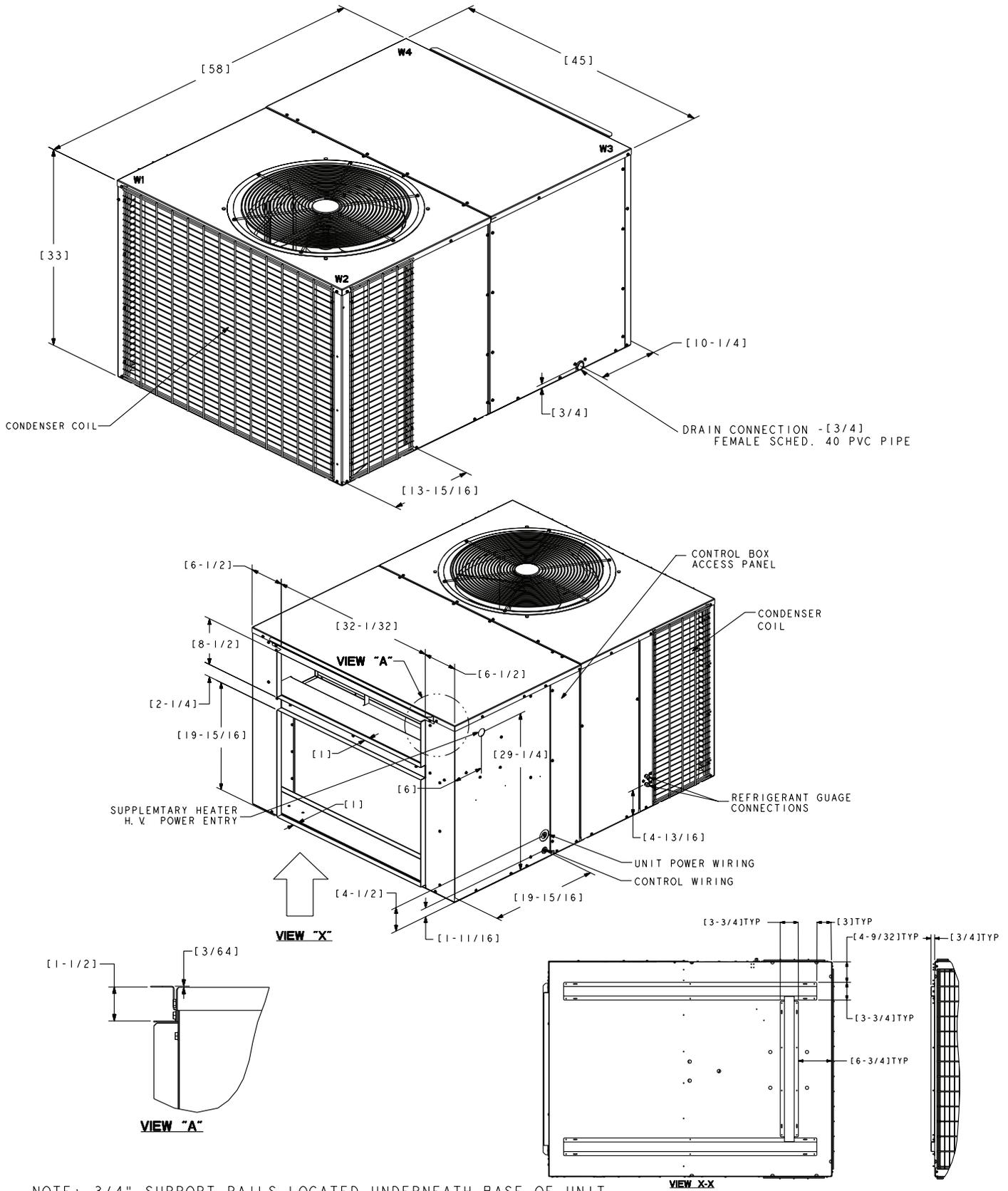
Dimensional Data and Weights



INSTALLATION/SERVICE CLEARANCE	
BACK	48.0"
LEFT SIDE	24.0"
RIGHT SIDE	36.0"
TOP	36.0"

MODEL	APPROX. CORNER WEIGHT - KG(LBS)				TOTAL WEIGHT KG(LBS)	COIL DIMENSION-mm (in)	
	W1	W2	W3	W4		A	B
4WHC3024	47 (103)	30 (66)	30 (66)	29 (63)	135 (298)	356 (14)	406 (16)
4WHC3030	47 (103)	30 (66)	30 (66)	29 (63)	135 (298)	356 (14)	406 (16)
4WHC3036	47 (103)	30 (66)	30 (66)	29 (63)	135 (298)	356 (14)	406 (16)
4WHC3042	39 (87)	37 (81)	30 (66)	33 (72)	139 (306)	508 (20)	406 (16)

Dimensional Data and Weights



NOTE: 3/4" SUPPORT RAILS LOCATED UNDERNEATH BASE OF UNIT.

MODEL	APPROX. CORNER WEIGHT - KG(LBS)				TOTAL WEIGHT LBS.
	W1	W2	W3	W4	
4WHC3048	62(137)	61(134)	40(88)	41(90)	203(448)
4WHC3060	65(143)	62(137)	44(97)	45(99)	211(465)

INSTALLATION/SERVICE CLEARANCE	
BACK	48.0"
LEFT SIDE	24.0"
RIGHT SIDE	36.0"
TOP	36.0"

Mechanical Specifications

General

All units are factory assembled, piped, internally wired and fully charged with R-410A. Units are certified to UL Standard 1995. All units are factory run-tested to check cooling and heating operation, defrost operation, fan and blower rotation and control sequence. Units shall be designed to operate at ambient temperatures between 5°F and 45°F in cooling mode (as shipped) and between 75°F and -20°F in heating mode. Cooling and heating performances are rated in accordance with AHRI standards. Units are designed for either rooftop or ground level installation. All units shall be dedicated horizontal airflow and are not convertible.

Unit Casing

All components are mounted in a weather-resistant steel cabinet with a baked-on enamel finish. Access panels are provided for unit controls, indoor coil and supply air fan. Top covers shall be removable for access or installation of electric heaters and outdoor fan and compressor. Indoor air section is completely insulated with fireproof, permanent, odorless glass fiber material. Knockouts are provided for utility and control connections. Drain connections are provided to accommodate indoor coil water runoff.

Compressor

Hermetically sealed, high efficiency Climatuff® compressor designed for heat pump duty. Internal over current and over temperature protection, low pressure protection.

Refrigerant Circuit

All units have thermostatic expansion valve refrigerant control for heating and cooling operation. Service pressure tap ports, check valves, solenoid-operated reversing valve, and refrigerant line filter driers are standard.

Indoor and Outdoor Coil

Indoor and outdoor coils are constructed of aluminum plate fins mechanically bonded to 0.375-inch seamless copper tubing.

Outdoor Fan

One, direct-drive, statically and dynamically balanced propeller fan is used in a top discharge configuration. Permanently lubricated weatherproof motors have built-in thermal overload protection.

Indoor Fan

Forward-curved, centrifugal-type fan with multispeed, direct-drive motor. Motor shall be permanently lubricated and has built-in overload protection.

Demand Defrost Control

Microcomputer logic is used to sense the need for defrost and permits defrost cycles only when coil icing conditions begin to cause serious heat pump capacity reductions.

Accessories

Supplemental Electric Heater-Heater module shall mount in unit discharge air passage. Each heater assembly includes automatically resetting heat limit switches for thermal protection. A polarized plug provides connection to unit low voltage control wiring.

Indoor Thermostat-Two-stage heating, one-stage cooling thermostat is available in either manual or automatic changeover. Thermostat provides automatic or continuous fan operation and includes outdoor thermistor, emergency heat switch with indicator light, and auxiliary heat indicator light.

Low Ambient Control Kit-Provides low ambient cooling operation to 0°F.

