REZNOR®



# Replacement Parts for V3® Series Model UDAP, UDAS, UDBP, and UDBS Unit Heaters

**IMPORTANT**

1. **Always include complete heater model and serial number so that any specification change can be considered for parts replacement. It can save time and expense.**
2. **Specifications are subject to change without notice.**
3. **We reserve the right to substitute functional replacements**
4. **Order by P/N; not Heater Option Designation.**

## Model UDAP
## Power Vent, Fan Type
## Model UDAS
## Separated Combustion, Fan Type




## Model UDBP
## Power Vent, Blower Type
## Model UDBS
## Separated Combustion, Blower Type




### Warranty - Models UDAP, UDAS, UDBP, and UDBS

One-year limited warranty on the heater.

Nine-year extended limited warranty on the heat exchanger, burner, and flue collection box assembly.

Four-year extended limited warranty on all electrical and mechanical operating components (with the exception of blower belts).

**Contact your distributor for details.**

### INDEX

**B**
Bearings 12
Belt 10
Belt Guard 18
Blower 12
Blower Inlet Guard 18
Burner 14
Burner Orifice 14

**C**
Cabinet Parts 11
Fan Motor Capacitor 5, 6
Circuit Board 5, 6
Circuit Board (DSI Ignition Cntrl) 5
Collar 11
Concentric Adapter Box 15
Contactor 8
Control Compartment 4
DDC Controller 7
Control of 2-6 Heaters 19
Gas Conversion Kits 14

**D**
Date of Manufacture 3
Disconnect Switch 5
Door Handle 11
Drives 10

**E**
Electrical Components 4
Exhaust (Vent) Terminal 15
Exhaust Grill 15

**F**
Fan Blade 11
Fan Guard 11
Flame Sensor 5, 6
Flue Wrapper 13
Fuse 5

**G**
Guards 18

**H**
Hanger Bar 11
Hanger Kits 18
Heat Exchanger 14
High Altitude Switch 16

**I**
Ignition Control 6
Combustion Air Inlet 15
Inlet Guard 15

**L**
Label 11
Limit Control 5, 6
Horizontal Louver 11
Vertical Louvers 16

**M**
Belt Drive Motor 8
Blower Motor 8
Direct Drive Motor 8
Fan Motor 5
Venter Motor 13
Motor Adjustment Bracket 12
Motor Mounting Components 12

**N**
Downturn Nozzles 17

**O**
Option CC1 16
Option CC14 15
Option CC2 15
Option CC6 15
Option CD1 16
Option CD10 18
Option CD11 18
Option CD12 18
Option CE1 19
Option CG1 7
Option CG2 7
Option CG4 7
Option CK10 18
Option CK22 19
Option CK8 18
Option CL1 19
Option CL22 19
Option CL31 19
Option CL32 19
Option D10 7
Option D14 7
Options CD2, CD3, CD4, CD5 17
Orifice 14

**P**
Paint 11
Polytube Adapter 18
High Altitude Pressure Switch 16
Pressure Switch 5, 6
Pressure Tap 13
Blower Pulley 10
Motor Pulley 10

**R**
Rating Plate 2
References 3
Restrictor 12

**S**
Serial No. 2
Shaft 12
Silicone Sealant 15
Motor Starter 8
Starter Overload 8
Ceiling Suspension Kit 19
Disconnect Switch 5, 6
Door Switch 5, 6
Flame Rollout Switch 5, 6

**T**
Terminal Board 5, 6
Thermostat 19
Stepdown Transformer Kits 7
Transformer 5, 6

**V**
Gas Valve 5, 6
Manual Shutoff Valve 19
Vent Cap 16
Venter Housing 13
Venter Motor 13
Venter Wheel 13
Venting and Combustion Air Kits 15

**W**
Website 3
Wiring Harness 5

## Rating Plate and Serial No.

### Example of a Rating Plate, Model UDAP

**REZNOR**
MERCER, PA. USA 16137
MADE IN MEXICO

NRTL

**UNIT HEATER**
**CATEGORY [ Z ]**
ANSI Z83.8 [ A ] CSA 2.6 [ A' ] UNIT HEATER
CSA .10.96 U.S. (2nd Ed.) UNIT HEATERS FOR RESIDENTIAL INSTALLATION
**MODEL [ B ]** **[ C ]**
**SERIAL NO. BBD 79 X7 N 00000**
**[ D ]** VOLTS **[ D ]** PH **[ D ]** HZ MAXIMUM TOTAL INPUT **[ D ]** AMPS
**TYPE OF GAS: [ E ]**
FOR USE AT 0-2000 FEET, 0-610 METERS OF ALTITUDE.
ORIFICE SIZE [ F ] DRILL HAS BEEN FACTORY ADJUSTED

| | SEA LEVEL |
|---|---|
| NORMAL INPUT | [ J ] BTU/HR |
| THERMAL OUTPUT CAPACITY | [ L ] BTU/HR |
| MINIMUM INPUT(-2 MODELS) | [ M ] BTU/HR |
| NORMAL MANIFOLD PRESSURE | [ G ] IN.W.C. |
| MIN. PERMISSIBLE GAS SUPPLY PRESSURE FOR PURPOSE OF INPUT ADJUSTMENT. | [ H ] IN.W.C. |

CLEARANCES TO COMBUSTIBLE CONSTRUCTION: TOP-**[ N ]** ", FLUE CONNECTION-6", CONTROL SIDE-18", OPP. SIDE-**[ P ]** ", BOTTOM-1", FRONT-36".
FOR ALTERNATE INSTALLATIONS USE THE LATEST EDITIONS OF THE APPROPRIATE STANDARD LISTED BELOW:

| | |
|---|---|
| FOR AIRCRAFT HANGARS | USE STANDARD ANSI/NFPA 409 |
| FOR PARKING STRUCTURES | USE STANDARD ANSI/NFPA 88A |
| FOR REPAIR GARAGES | USE STANDARD ANSI/NFPA 88B |

THIS UNIT IS NOT FOR USE WITH DUCTS.
THIS UNIT IS NOT FOR USE WITH FILTERS.
IN THE EVENT THE FLAME ROLLOUT SENSOR CAUSES THE HEATER TO SHUT OFF, DETERMINE AND CORRECT THE CAUSE. FAILURE TO DO SO COULD RESULT IN PERSONAL INJURY OR DEATH. TO RESET, DEPRESS THE BUTTON ON THE SENSOR LOCATED ON THE BURNER BOX ASSEMBLY.

### Example of a Rating Plate, Model UDBP

**REZNOR**
MERCER, PA. USA 16137
MADE IN MEXICO

NRTL

**UNIT HEATER**
**CATEGORY** [ Z ]
ANSI Z83.8 [ A ] CSA 2.6 [ A' ] UNIT HEATER

**MODEL** [ B ] [ C ]
**SERIAL NO.** [ K ] HP
**[ D ]** VOLTS **[ D ]** PH **[ D ]** HZ MAXIMUM TOTAL INPUT **[ D ]** AMPS
**TYPE OF GAS: [ E ]**
FOR USE AT 0-2000 FEET, 0-610 METERS OF ALTITUDE.
ORIFICE SIZE [ F ] DRILL

| | |
|---|---|
| NORMAL INPUT | [ J ] BTU/HR |
| THERMAL OUTPUT CAPACITY | [ L ] BTU/HR |
| MINIMUM INPUT(-2 MODELS) | [ M ] BTU/HR |
| NORMAL MANIFOLD PRESSURE | [ G ] IN.W.C. |
| MIN. PERMISSIBLE GAS SUPPLY PRESSURE FOR PURPOSE OF INPUT ADJUSTMENT. | [ H ] IN.W.C. |
| TEMPERATURE RISE RANGE FROM [ Q ] DEG. F. TO [ R ] DEG. F. | |
| MAXIMUM EXTERNAL STATIC PRESSURE [ S ] IN. W.C. | |

CLEARANCES TO COMBUSTIBLE CONSTRUCTION: TOP-**[ N ]** ", FLUE CONNECTION-6", CONTROL SIDE-18", OPP. SIDE-**[ P ]** ", BOTTOM-1", FRONT-36"
FOR ALTERNATE INSTALLATIONS USE THE LATEST EDITIONS OF THE APPROPRIATE STANDARD LISTED BELOW:

| | |
|---|---|
| FOR AIRCRAFT HANGARS | USE STANDARD ANSI/NFPA 409 |
| FOR PARKING STRUCTURES | USE STANDARD ANSI/NFPA 88A |
| FOR REPAIR GARAGES | USE STANDARD ANSI/NFPA 88B |

INSTALLATION OF THIS UNIT IN AIRCRAFT HANGERS IN ACCORDANCE WITH THE REQUIREMENTS OF THE ENFORCING AUTHORITIES AND IN PUBLIC GARAGES IN ACCORDANCE WITH THE CAN/CGA-B149 (.1 OR .2 ) CODES.
THIS UNIT IS NOT FOR USE WITH FILTERS.
THIS UNIT MAY BE USED WITH DUCTS.

### Rating Plate Key:

| | | | |
|---|---|---|---|
| **A** | Date of ANSI Standard | **K** | Blower Motor Horsepower |
| **A'** | Date of CSA Standard | **L** | BTU Thermal Output Sea Level |
| **B** | Model No. | **M** | BTU Minimum Input Sea Level |
| **C** | Month and Year of Manufacture | **N** | Top Clearance |
| **D** | Voltage, Phase, 60 Hertz, Maximum Total Input Amps | **P** | Left Side Clearance |
| **E** | Natural Gas or Propane | **Q** | Temperature Rise From (°F) |
| **F** | Orifice Size | **R** | Temperature Rise To (°F) |
| **G** | Manifold Pressure (3.5" w.c. Natural Gas; 10" w.c. Propane) | **S** | Maximum External Static Pressure (inches w.c.) |
| **H** | Minimum Gas supply Pressure (5.0" w.c. Natural Gas; 11.0" w.c. Propane) | **Z** | Category |
| **J** | BTU Normal Input Sea Level | | |

**Decoding a Serial No.**

| Example of a Serial No. | BBD | 79 | X7 | N | 00000 |
|---|---|---|---|---|---|
| **CODE Nos.** | **1** | **2** | **3** | **4** | **5** |

| CODE No. | Explanation |
|---|---|
| **1** | Date of manufacture (see below) |
| **2** | Type of ignition system |
| **3** | Type of gas valve |
| **4** | Gas (N = natural; L = propane) |
| **5** | Consecutive number (identification only) |

**First Element of the Serial Number - Date of Manufacture**

| Year | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2002** | BBA | BBB | BBC | BBD | BBE | BBF | BBG | BBH | BBI | BBJ | BBK | BBL |
| **2003** | BCA | BCB | BCC | BCD | BCE | BCF | BCG | BCH | BCI | BCJ | BCK | BCL |
| **2004** | BDA | BDB | BDC | BDD | BDE | BDF | BDG | BDH | BDI | BDJ | BDK | BDL |
| **2005** | BEA | BEB | BEC | BED | BEE | BEF | BEG | BEH | BEI | BEJ | BEK | BEL |
| **2006** | BFA | BFB | BFC | BFD | BFE | BFF | BFG | BFH | BFI | BFJ | BFK | BFL |
| **2007** | BGA | BGB | BGC | BGD | BGE | BGF | BGG | BGH | BGI | BGJ | BGK | BGL |
| **2008** | BHA | BHB | BHC | BHD | BHE | BHF | BHG | BHH | BHI | BHJ | BHK | BHL |
| **2009** | BIA | BIB | BIC | BID | BIE | BIF | BIG | BIH | BII | BIJ | BIK | BIL |
| **2010** | BJA | BJB | BJC | BJD | BJE | BJF | BJG | BJH | BJI | BJJ | BJK | BJL |
| **2011** | BKA | BKB | BKC | BKD | BKE | BKF | BKG | BKH | BKI | BKJ | BKK | BKL |
| **2012** | BLA | BLB | BLC | BLD | BLE | BLF | BLG | BLH | BLI | BLJ | BLK | BLL |
| **2013** | BMA | BMB | BMC | BMD | BME | BMF | BMG | BMH | BMI | BMJ | BMK | BML |
| **2014** | BNA | BNB | BNC | BND | BNE | BNF | BNG | BNH | BNI | BNJ | BNK | BNL |
| **2015** | BOA | BOB | BOC | BOD | BOE | BOF | BOG | BOH | BOI | BOJ | BOK | BOL |
| **2016** | BPA | BPB | BPC | BPD | BPE | BPF | BPG | BPH | BPI | BPJ | BPK | BPL |
| **2017** | BQA | BQB | BQC | BQD | BQE | BQF | BQG | BQH | BQI | BQJ | BQK | BQL |
| **2018** | BRA | BRB | BRC | BRD | BRE | BRF | BRG | BRH | BRI | BRJ | BRK | BRL |
| **2019** | BSA | BSB | BSC | BSD | BSE | BSF | BSG | BSH | BSI | BSJ | BSK | BSL |
| **2020** | BTA | BTB | BTC | BTD | BTE | BTF | BTG | BTH | BTI | BTJ | BTK | BTL |

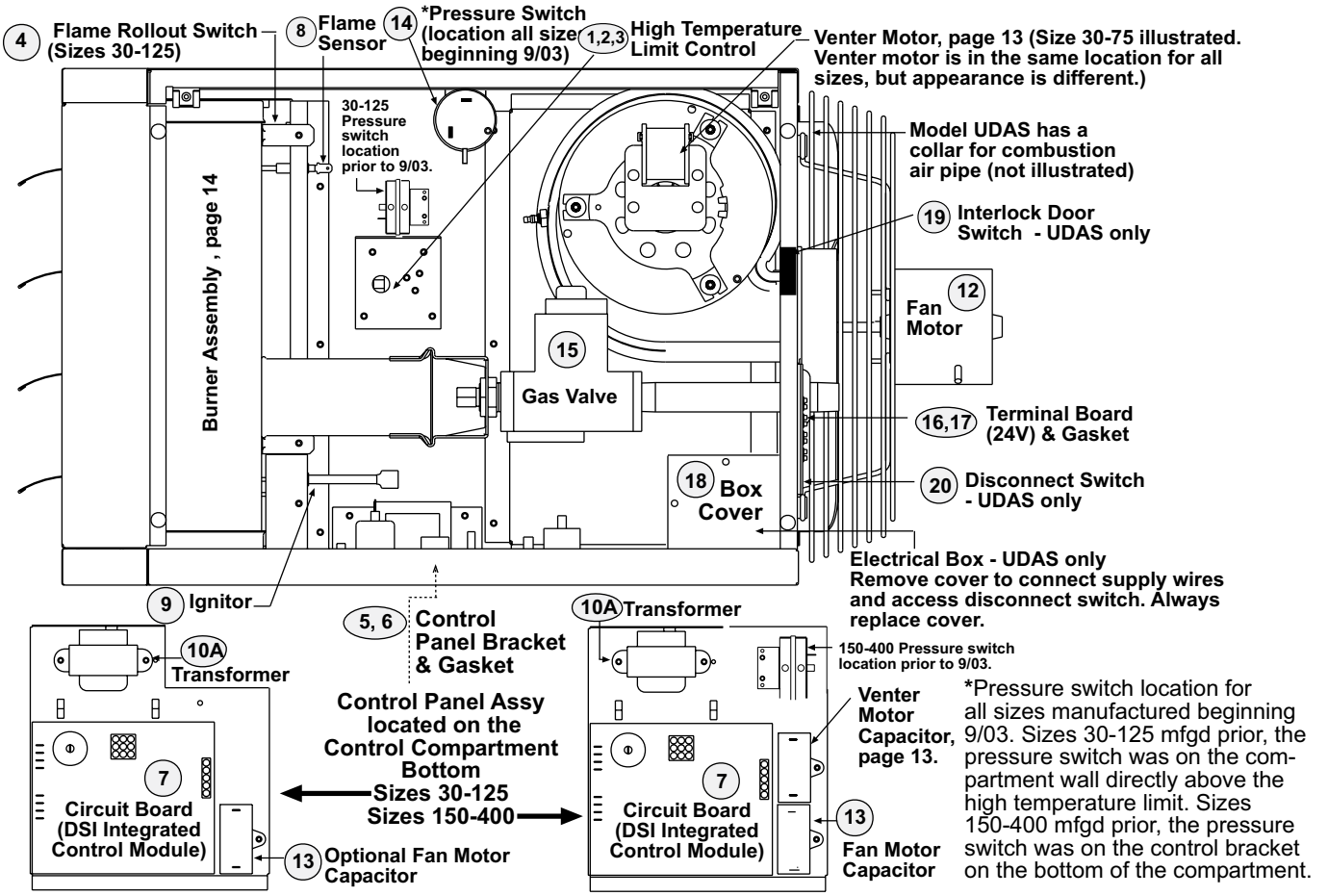
**References**

| **Printed Forms** (Request by Form designation; not P/N.) | **Form** | **P/N** |
|---|---|---|
| Installation/Operation/Maintenance - All UDAP and UDAS | I-UDA | 195673 |
| Installation/Operation/Maintenance - All UDBP and UDBS | I-UDB | 202658 |
| Venting Installation - Models UDAP and UDBP | I-UD-V-PV | 195675 |
| Venting Installation - Model UDAP-CV with Option AV6 (common vent) | I-UD-V-CV | 195677 |
| Venting Installation - Models UDAS and UDBS | I-UD-V-SC | 195676 |
| Gas Conversion | CP-UD-GC | 197209 |
| High Altitude (above 6000 ft) | I-UD-HA | 197081 |

**Website** (Forms are available for downloading.)
www.RezSpec.com

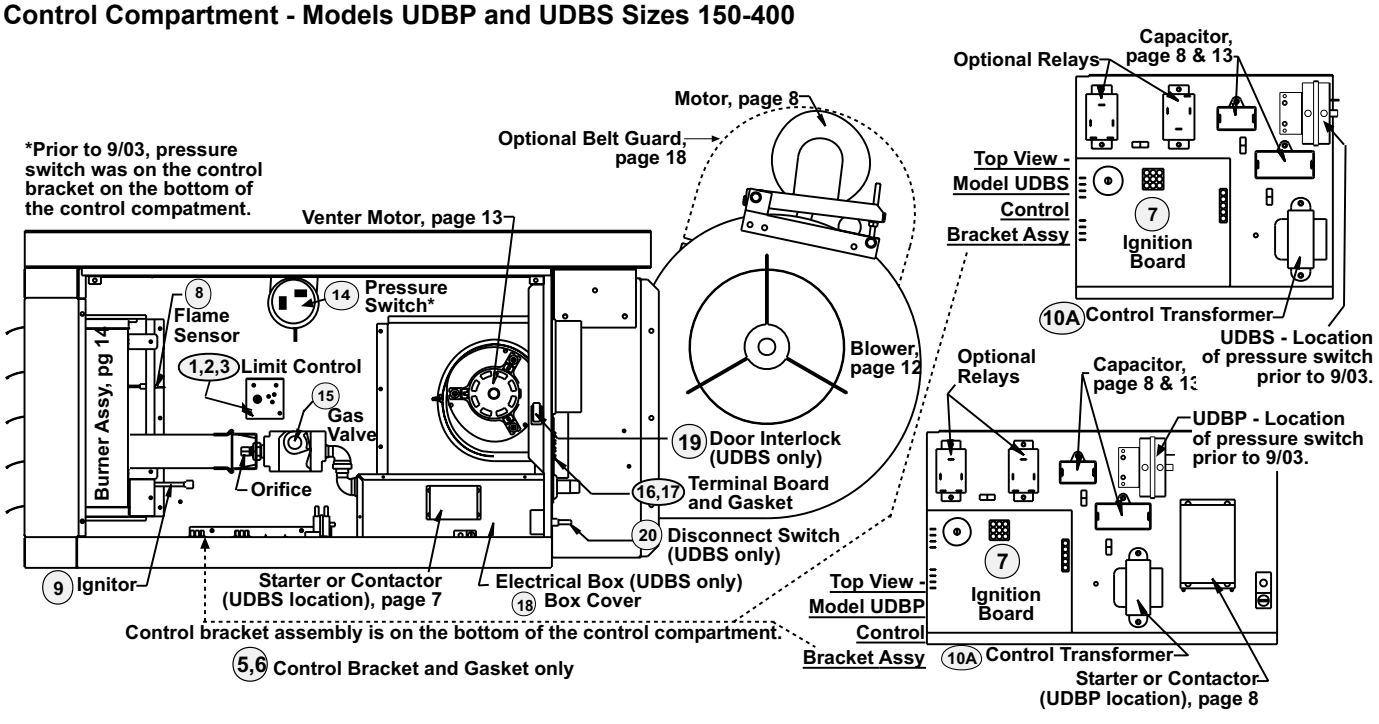
**Electrical Components -** Location, Quantity (Quantities other than one are listed in parenthesis.), and P/N (see page 6 for photos)

## Control Compartment - Models UDAP and UDAS Sizes 30-400

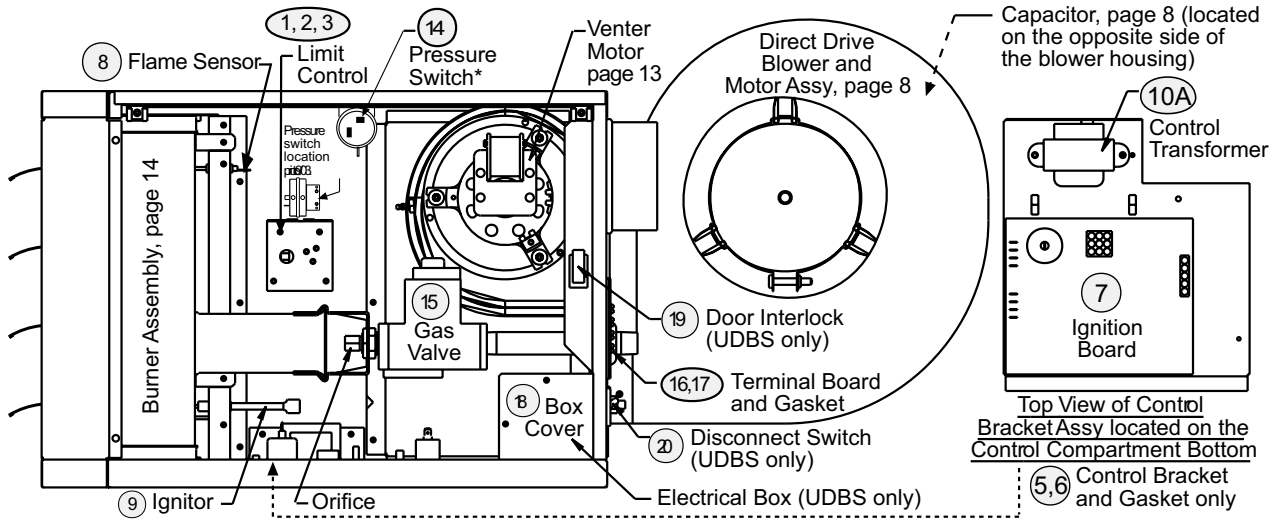



*Pressure switch location for all sizes manufactured beginning 9/03. Sizes 30-125 mfgd prior, the pressure switch was on the compartment wall directly above the high temperature limit. Sizes 150-400 mfgd prior, the pressure switch was on the control bracket on the bottom of the compartment.

## Control Compartment - Models UDBP and UDBS Sizes 150-400



## Control Compartment - Models UDBP and Sizes 30-125




*Prior to 9/03, pressure switch was located on the inner wall just above the limit control.

| Code | Description | | Model | 30 | 45 | 60 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 350 | 400 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1A | High Temperature Limit Control, Auto Reset (**NOTE:** Color listed is the color of the identifying dot on the limit control label. "None" indicates no colored dot on the label.) | | UDAP/UDAS | **96512**, 220°F, Blue | | **45602**, 180°F, None | | | **85449**, 200°F, Yellow | **45602**, 180°F, None | **82091**, 160°F, Red | **45602**, 180°F, None | **82091**, 160°F, Red | **45602**, 180°F, None | **85449**, 200°F, Yellow | **45602**, 180°F, None | |
| | | | UDBP/UDBS | **201961**, 275°F, Green | **96512**, 220°F, Blue | **85449**, 200°F, Yellow | | **96512**, 220°F, Blue | **201961**, 275°F, Green | **45602**, 180°F, None | **202048**, 240°F, Silver | | **45602**, 180°F, None | | **201962**, 250°F, Orange | **202048**, 240°F, Silver | **85449**, 200°F, Yellow |
| 1B | High Temperature Limit Control, Auto Reset - UDAP w/Opt AL2B | | UDAP-45LN (low noise) | N/A | **85449**, 200°F, Yellow | N/A | | | | | | | | | | | |
| 2 | Limit Control Plate | | All | **170025** | | | | | | | | | | | | | |
| 3 | Limit Control Bracket | | UDAP/UDAS | **170026** | | | | | | | | | | | | | |
| | | | UDBP/UDBS | **201771** | | | | | | | | | | | **202701** | | |
| 4 | Flame Rollout Switch, Manual Reset | | UDAP/UDAS | **197033**, 210°F / -31°F, Violet Dot | **196949**, 225°F / -31°F, Red Dot | | | **196950**, 250°F / -31°F, Yellow Dot | | -- | -- | -- | -- | -- | -- | -- | -- |
| 5 | Control Mounting Bracket | | UDAP/UDAS | **195551** | | | | | | **195294** | | | | | | | |
| | | | UDBP | **195551** | | | | | | **202736** | | | | | | | |
| | | | UDBS | **195551** | | | | | | **195294** | | | | | | | |
| 6 | Cntrl Mounting Bracket Gasket | | All | **195664** | | | | | | **195669** | | | | | | | |
| 7 | Circuit Board (DSI Ignition Cntrl) | | All | **195265**, UTC 1097-210, Serial No.Code 79 | | | | | | | | | | | | | |
| 7A | Fuse for Circuit Board | | All | P/N **201685** or replace with a field-supplied Type ATC or ATO 3 amp fuse, Color Code Violet. | | | | | | | | | | | | | |
| 8 | Flame Sensor | | All | **195292** | | | | | | | | | | | | | |
| 9 | Ignitor (Electrode Assy) | | All | **175272** | | | | | | | | | | | | | |
| 10A | Transformer | 115V | UDAP/UDAS | **175265**, 25VA | | | | | | | | | | | | | |
| | | | All* | **194808**, 40 VA (*40VA transformer only applies to UDAP and UDAS when equipped with multiple heater control Option CL31) | | | | | | | | | | | | | |
| | | 208V-230V/1ph | | **194536**, 40 VA | | | | | | | | | | | | | |
| | | 208V-230V/3ph | UDBP/UDBS | -- | -- | -- | -- | -- | -- | **194536**, 40 VA | | | | | | | |
| 10B ** | Xformer w/ Opts D10/14 DDC Cntrls | 115V | UDAP/UDAS 150-400 with Opt D10&D14 | N/A | | | | | | **175265**, 25VA and **194808**, 40VA | | | | | | | |
| | | 208V-230V/1ph | | N/A | | | | | | (2) **194536**, 40 VA | | | | | | | |
| 11 | Stepdown Transformer | 480V supply-120V | UDBP/UDBS | -- | -- | -- | -- | -- | -- | **11100** , 1/2 KVA | | | | | | | |
| | | 575V supply-120V | | -- | -- | -- | -- | -- | -- | **202056**, 575/120 | | | | | | | |
| 12A | Fan Motor (See spacing, pg 6.) | 115V Open | UDAP/UDAS | **196240** | **196241** | | **196242** | **196243** | **196244** | **196245** | | | **196246** | | **196247** | | |
| | | 115V TEFC (AL14) | | **203310** | | | | **203724** | | **196824** | | | | | **196825** (Must be Fasco Rev D) | | |
| | | ***208/230V Open | | **196826** *** | | | | **195302** *** | | | | | | | **195303** *** | | |
| 12B | Fan Mtr 115V w/Opt AL2B | | UDAP45-LN | N/A | **203030** | N/A | | | | | | | | | | | |
| 13 | Fan Motor Capacitor | | 115V | **195642** (on units manufactured beginning 2/2011) | | | | | | **195643**, 7.5 mfd | | | | | | | |
| | | | 208/230V | -- | -- | -- | -- | **195642**, 5 mfd | | **195643**, 7.5 mfd | | | | | | | |
| | | | 115Vw/AL14 | -- | -- | -- | -- | | | | | | | | | | |
| 14 | Pressure Switch, 0 to 6000 ft (Above 6000 ft, see kits on page 16.) **NOTE**: Color listed is the identifying color of the pressure switch label. | | UDAP-CV **** | **197028**, .65" w.c., Yellow | **196388**, .50" w.c., Orange | **197029**, .60" w.c., Light Blue | | **196362**, .55" w.c., White | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | UDAP | **197030**, 40" w.c., Green | | **196388**, .50" w.c., Orange | | | **197030**, 40" w.c., Green | | **201158**, 1.10" w.c., Blue | | | | | **201158**, 1.10" w.c., blue, on Sizes 350 & 400 mfgd beginning 7/23/2009. **201159**, 1.40" w.c., red, Sizes 350 & 400 mfgd prior to 7/23/2009 | |
| | | | UDAS | **197028**, .65" w.c., Yellow | | | | **196362**, .55" w.c., White | **197032**, 45" w.c., Pink | **197030**, 40" w.c., Green | **201158**, 1.10" w.c., Blue | | | | | | |
| | | | UDBP | **197030**, 40" w.c., Green | | **196388**, .50" w.c., Orange | | **197030**, 40" w.c., Green | | **197030**, 40" w.c., Green | **201158**, 1.10" w.c., Blue | | | | | | |
| | | | UDBS | **197030**, 40" w.c., Green | **196388**, .50" w.c., Orange | **197029**, .60", Lt Blue | **196388**, .50" w.c., Orange | **197030**, 40" w.c., Green | **197032**, 45" w.c., Pink | **197030**, 40" w.c., Green | **201158**, 1.10" w.c., Blue | | | | | | |
| 15 | Gas Valve | Natural, 1-Stage | All | **196980**, 1/2x1/2, MH VR8205K8905 (replaces 196848, Sizes 30-75) | | | | | | | | | | **196981**, 3/4x3/4, MH VR8305K4241 | | | |
| | | Propane, 1-Stage | | **196982**, 1/2x1/2, MH VR8205K2965 (replaces 196850, Sizes 30-75) | | | | | | | | | | **196983**, 3/4x3/4, MH VR8305K4258 | | | |
| | | Natural, 2-Stage | | -- | -- | **197066**, 1/2x1/2, MH VR8205N2921 (replaces 196849, Sizes 60-75) | | | | | | | | **197067**, 3/4x3/4, MH VR8305N4297 | | | |
| | | Propane, 2-Stage | | -- | -- | **197064**, 1/2x1/2, MH VR8205N2913 (replaces 196851, Sizes 60-75) | | | | | | | | **197065**, 3/4x3/4, MH VR8305N4289 | | | |
| 16 | Terminal Board (24V), 4 pole | | All | **196813** | | | | | | | | | | | | | |
| 17 | Terminal Board Gasket | | UDAS and UDBS only | **196327** | | | | | | | | | | | | | |
| 18 | Electrical Box Cover | | | **201945** | | | | | | | | | | | | | |
| 19 | Door Switch | | | **217262**, Carling #TA22B-TLB-B | | | | | | | | | | | | | |
| 20 | Disconnect Switch | | | **101902 (after 10/06)** / (201946 before 10/06) | | | | | | **101902** (replaced 202054) | | | | | | | |
| 21 | Wiring Harness with 9 pin Terminal | | UDAP/UDAS | **197148** | | **197199** | | **197149** | | **201417** | | | **201418** | | **201419** | | |
| | | | UDBP/UDBS | **203523** | | **203524** | | **203525** | | **203526** | | | **203527** | | **203528** | | |
| 22 | Wiring Harness w/ 5 pin Terminal | | All | **195653** | | | | | | **195656** | | | | | | | |

**** For location, see page 7. ***When inventory of the 208/230V fan motors is depleted, they will no longer be available as replacement parts. A replacement 115V motor and the installation of a stepdown transformer kit (Opt CG1 or 2, page 7) will be required. Check with your distributor for availability. ****Model UDAP-CV is a Model UDAP with factory-installed Common Vent Option AV6**

## Electrical Components - See locations on pages 4 and 5.

**CODE 1 - High Temperature Limit Control, Auto Reset**

**P/N 45602,** 180°F, No Dot
**P/N 85449,** 200°F, Yellow Dot
**P/N 96512**, 220°F, Blue Dot
**P/N 202048**, 240°F, Silver Dot
**P/N 201962**, 250°F, Orange Dot
**P/N 201961**, 275°F, Green Dot



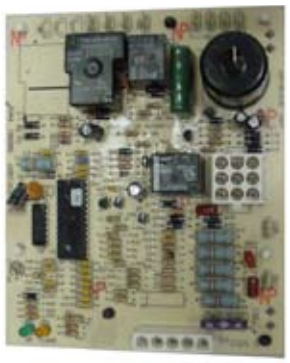
Bracket, **P/N 170026**
Plate, **P/N 170025**

**CODE 4 - Flame Rollout Switch, Manual Reset**



UDAP/UDAS 30, **P/N 197033**, 210°F, Violet Dot
UDAP/UDAS 45, 60, 75, **P/N 196949,** 225°F, Red Dot
UDAP/UDAS 100, 125, **P/N 196950,** 250°F, Yellow Dot

**CODE 7 - Circuit Board (DSI Ignition Control), P/N 195265, UTC 1097-210**



To replace fuse, use **P/N 201685** or a field supplied Type ATC or ATO 3 amp fuse, Color Code Violet.

**CODE 8 - Flame Sensor, P/N 195292**



**CODE 9 - Ignitor (Electrode Assembly), P/N 175272**



**CODE 10 - Transformer**



115V-25VA, **P/N 175265**
115V-40VA, **P/N 194808**
208/230V-40VA, **P/N 194536**

**CODE 11 - Stepdown Transformer**



460V-120V, 1/2 KVA (500VA), **P/N 11100**
575V-120V, **P/N 202056**

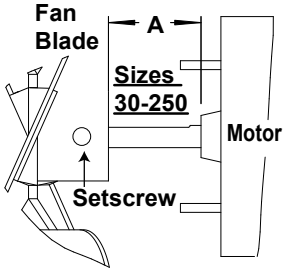
(Stepdown transformer is not in the control compartment; it hangs on the outside of the heater cabinet.)

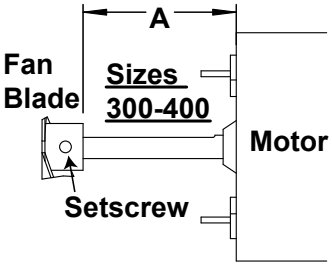
**CODE 12 - Fan Motor**



See motor application and P/N's on page 5.
For fan blade P/N's, see page 11.

**Fan Blade/ Motor Spacing by Size**




**CODE 13 - Fan Motor Capacitor**



| UDAP/UDAS Size | | 30 | 45 | UDAP45LN (w/AL2B) | 60 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 350 | 400 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Dimension A** | inches | 1 | 9/16 | 3/4 | 1-1/2 | 2-1/8 | 2-3/8 | 2-5/16 | 2-3/8 | 2-1/8 | 1-5/8 | 2 | 2 | 2 | 1-7/8 | 1-3/8 |
| | mm | 25 | 14 | 19 | 38 | 54 | 60 | 59 | 60 | 54 | 41 | 51 | 51 | 51 | 48 | 35 |
| Setscrew torque | (in/lbs ±10) | 80 | | | | | 120 | | 130 | | | | | | | |

**CODE 14 - Pressure Switch, H/W #IS2**



See application and P/N's on page 5. For high altitude (above 6000 ft) , see page 16.

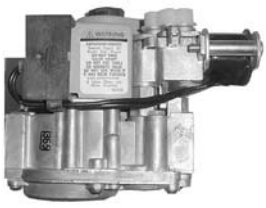
**CODE 15 - Gas Valve**

See application by P/N, Type, and Size on page 5.



| P/N | Serial No. Code | Replacement for Serial No. Code |
|---|---|---|
| **196980** | Y2 | X7 |
| **196981** | Y3 | |
| **196982** | Y4 | X9 |
| **196983** | Y5 | |

**Single-Stage Gas Valve**



| P/N | Serial No. Code | Replacement for Serial No. Code |
|---|---|---|
| **197066** | Y8 | X8 |
| **197067** | Y9 | |
| **197064** | Y6 | Y1 |
| **197065** | Y7 | |

**Two-Stage Gas Valve**

**CODE 16 - Terminal Board, 24V, 4 pole, P/N 196813**



**CODE 17** - Terminal Board Gasket for UDAS and UDBS, **P/N 196327**

**CODE 19 - Interlock Door Switch, UDAS and UDBS, P/N 217262**



**CODE 20 - Disconnect Switch, UDAS and UDBS**



**DDC Controller, P/N 207944, and other components used in Option D10 and Option D14 (D14 requires field-provided sensor) - applies to Sizes 150-400**

| CODE | P/N | Description |
|---|---|---|
| **21A** | **207944** | Novar Controller, Model Minio 737200000 |
| **21B** | **207945** | Novar Discharge Sensor Model 712007000DTS 30 (Option D10 only) |
| **22** | **208069** | Controller Bracket |
| **23** | **195669** | Gasket |
| **24** | **98118** | Relay, Heat |

**Code 21A, Novar Controller (mounts on the inside wall of the control compartment)**



**CODE 24 - Relay**

**CODE 10B - Transformer (See page 5.)**

**CODE 22 - Bracket**
**CODE 23 - Gasket**

**CODE 25 - Stepdown Transformer Kits (Same as Options CG1, CG2, CG4)**



**Stepdown Transformer**

| **For Model UDAP or UDAS** | **30** | **45, 60, 75, 100** | **125, 150, 175, 200** | **225, 250** | **300, 350, 400** |
|---|---|---|---|---|---|
| **Option CG1 (208 to 120V)** | **260919** | **260920** | **260921** | **260922** | **260923** |
| includes **Transformer** (P/N, kva) | **260927, .25** | **260928, .50** | **260929, .75** | **223462, 1.0** | **260930, 1.5** |
| **Option CG2 (230 to 120V) and Option CG4 (460 to 120V)** | **197150** | **197151** | **197152** | **197153** | **197154** |
| includes **Transformer** (P/N, kva) | **11279, .25** | **11100, .50** | **11217, .75** | **16065, 1.0** | **197085, 1.5** |
| **All UDAP/UDAS Option CG1, CG2, and CG4 Kits listed above include the following parts:** | | | | | |
| Transformer Bracket | **197079** | | | **197080** | |
| Transformer Bracket Gasket | **195663** | | | | |
| Hex Head Cap Screw | **32253**, 3/8 x 1" lg | | | | |
| 3/8" Lock Washer | **5197** | | | | |
| 3/8" Flat Washer | **6593** | | | | |
| BX Cable, 3/8" | **45097**, 38" | **174394**, 46" | **63292**, 49" | **10460**, 56" | **201465**, 70" |
| Black wire 14 gauge, 105°C | **32520**, 54" | **7208**, 62" | **123150**, 65" | **48862**, 72" | **201466**, 86" |
| White wire 14 gauge, 105°C | **201243**, 54" | **201242**, 62" | **123152**, 65" | **48861**, 72" | **201467**, 86" |
| Green wire 14 gauge, 105°C | **201241**, 54" | **201240**, 62" | **201468**, 65" | **201462**, 72" | **201469**, 86" |
| Anti-Short Bushing | (2) **16358** | | | | |
| Straight Connector | **16199** | | | | |
| 90° Connector | **1417**, T&B #XC-290 | | | | |
| Cable Clamp, 1/2" | **16227**, Heyco #3328 | | | | |
| Sheetmetal Screws | (3) **11813**, #10 x 1/2" | | | | |
| Wire Connector 73B | (10) **16354**, Ideal #3-0253 | | | | |

**NOTE:** For stepdown transformer for **UDBP or UDBS with 460V or 575V**, see CODE 11, page 6.

| **For Model UDBP or UDBS** | **30, 45** | **60, 75** | **100, 125** |
|---|---|---|---|
| **Option CG1 (208 to 120V)** | **260924** | **260925** | **260926** |
| includes **Transformer** (P/N, kva) | **260928, .50** | **223462, 1.0** | **260931, 2.0** |
| **Option CG2 (230 to 120V) and Option CG4 (460 to 120V)** | **202976** | **202977** | **202978** |
| includes **Transformer** (P/N, kva) | **11100, .50** | **16065, 1.0** | **202979, 2.0** |
| **All UDBP/UDBS Option CG1, CG2, and CG4 Kits listed above include the following parts:** | | | |
| Transformer Bracket | **197079** | | |
| Transformer Bracket Gasket | **195663** | | |
| BX Cable, 3/8", (length in inches) | **45097**, 38" | **174394**, 46" | **63292**, 49" |
| Black wire 14 gauge, 105°C, (length in inches) | **32520**, 54" | **7208**, 62" | **123150**, 65" |
| White wire 14 gauge, 105°C, (length in inches) | **201243**, 54" | **201242**, 62" | **123152**, 65" |
| Green wire 14 gauge, 105°C, (length in inches) | **201241**, 54" | **201240**, 62" | **201468**, 65" |
| Anti-Short Bushing | (2) **16358** | | |
| Straight Connector, T&B #302 | **16202** | | |
| 90° Connector, T&B #XC-290 | **1417** | | |
| Cable Clamp, 1/2" Heyco #3328 | **16227** | | |
| Sheetmetal Screws | (3) **11813** | | |
| Wire Connector 73B | (10) **16354** | | |

# Blower Motor, Capacitor, Starter, and Contactor

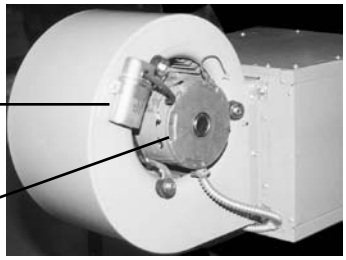
## Model UDBP and UDBS Sizes 30-125

| Code | Description | 30 | 45 | 60 | 75 | 100 | 125 |
|---|---|---|---|---|---|---|---|
| 26 | Direct Drive Motor Assembly | **202731** | | **202732** | | **202733** | |
| 26A | Motor | **201760** | | **201761** | | **201762** | |
| | | 1/6 HP | | 1/3 HP | | 3/4 HP | |
| 26B | Fleximount Adapter | - | - | - | - | 201764 | |
| 26C | Motor Band | **51221** | | | | - | - |
| 26D | Support Arm | (3) **51223** | | | | - | - |
| 26E | Hex Head Cap Screw 1/4" - 20 X 1-1/2" long | **51231** | | | | - | - |
| 26F | 1/4" - 20 Nut (Keps) | **7328** | | | | - | - |
| 26G | BX Cable, 3/8" | **2889**, 30" | | | | **174387**, 43" | |
| 26H | Anti-Short Bushing | (2) **16358** | | | | | |
| 27 | Blower Motor Capacitor, 370V | **101917** | | **101918** | | **201763** | |
| | | 5MFD | | 7.5MFD | | 15MFD | |
| 28A | Capacitor End Cap | **82113** | | | | | |
| 28B | Capacitor Strap Bracket | **82114** | | | | | |

**CODE 26 - Direct Drive Motor**

**CODE 27- Motor Capacitor**

**CODE 26A - Motor**



**CODE 29 - Belt Drive Blower Motor**



**CODE 30 and 31 - Motor Starter and Overload**



**CODE 32 - Blower Motor Contactor**

Motors that don't list a contactor require a starter.
If a contactor is listed below, starter is optional.



## Model UDBP and UDBS Sizes 150-400 -

### CODE 29 Belt Drive Motor; CODE 30 Starter Overload; CODE 31 Motor Starter; CODE 32 Contactor

Motors that don't list a contactor require a starter. If a contactor is listed, starter is optional.

| MOTOR | | | Mfr | Reznor | Volt | ph | Service | Power | Efficiency | OVERLOAD | | | | STARTER | | CONTACTOR | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Type | HP | FLA | Model No. | P/N | | | Factor | Factor | | min | max | GE # | P/N | GE # | P/N | GE # | P/N |
| Open | 1/4 | 4.6 | BF2024 | **210611** | 120 | 1 | 1.35 | | | 4.00 | 6.30 | RTA1-L | **151191** | CL00A310T-J | **151146** | 42AF35AF | **119626** |
| Open | 1/4 | 2.3 | BF2024 | **210611** | 208 | 1 | 1.15 | 63 | 59.0% | 1.80 | 2.70 | RTA1-J | **151189** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| Open | 1/4 | 2.3 | BF2024 | **210611** | 240 | 1 | 1.15 | 63 | 59.0% | 1.80 | 2.70 | RTA1-J | **151189** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| Open | 1/4 | 1.1 | M3003 or H200 | **115864** | 208 | 3 | 1.35 | 72 | 74.0% | 1.00 | 1.50 | RTA1-G | **151187** | CL00A310T-L | **151150** | - | - |
| Open | 1/4 | 1.4 | M3003 or H200 | **115864** | 240 | 3 | 1.35 | 72 | 74.0% | 1.00 | 1.50 | RTA1-G | **151187** | CL00A310T-S | **151147** | - | - |
| Open | 1/4 | 0.75 | M3003 or H200 | **115864** | 480 | 3 | 1.35 | 72 | 81.0% | 0.65 | 1.10 | RTA1-F | **151186** | CL00A310T-J | **151146** | - | - |
| Open | 1/3 | 6 | BF2034 | **202091** | 120 | 1 | 1.35 | | | 4.00 | 6.30 | RTA1-L | **151191** | CL00A310T-J | **151146** | 42AF35AF | **119626** |
| Open | 1/3 | 3 | BF2034 | **202091** | 208 | 1 | 1.35 | | | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| Open | 1/3 | 3 | BF2034 | **202091** | 240 | 1 | 1.35 | | | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| Open | 1/3 | 1.4 | M3007 or H260 | **115863** | 208 | 3 | 1.35 | | | 1.00 | 1.50 | RTA1-G | **151187** | CL00A310T-L | **151150** | - | - |
| Open | 1/3 | 1.6 | M3007 or H260 | **115863** | 240 | 3 | 1.35 | | | 1.30 | 1.90 | RTA1-H | **151188** | CL00A310T-S | **151147** | - | - |
| Open | 1/3 | 0.8 | M3007 or H260 | **115863** | 480 | 3 | 1.35 | | | 0.65 | 1.10 | RTA1-F | **151186** | CL00A310T-J | **151146** | - | - |
| Open | 1/2 | 8.8 | 327P828 or BF2054 | **102627** | 120 | 1 | 1.15 | | | 8.00 | 12.00 | RTA1-N | **151193** | CL00A310T-J | **151146** | 42AF35AF | **119626** |
| Open | 1/2 | 5.1 | 327P828 or BF2054 | **102627** | 208 | 1 | 1.15 | | | 4.00 | 6.30 | RTA1-L | **151191** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| Open | 1/2 | 4.4 | 327P828 or BF2054 | **102627** | 240 | 1 | 1.15 | | | 4.00 | 6.30 | RTA1-L | **151191** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| Open | 1/2 | 2.5 | H880 | **159183** | 208 | 3 | 1.25 | | | 1.80 | 2.70 | RTA1-J | **151189** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| Open | 1/2 | 3 | H880 | **159183** | 240 | 3 | 1.25 | | | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| Open | 1/2 | 1.5 | H880 | **159183** | 480 | 3 | 1.25 | | | 1.30 | 1.90 | RTA1-H | **151188** | CL00A310T-J | **151146** | 42AF35AF | **119626** |
| Open | 1/2 | 0.9 | H991 | **202089** | 575 | 3 | 1.25 | | | 0.65 | 1.10 | RTA1-F | **151186** | CL00A310T-J | **151146** | - | - |
| Open | 3/4 | 11 | 312P629 | **93548** | 120 | 1 | 1.25 | | | 10.00 | 16.00 | RTA1-P | **151194** | CL01A310T-J | **151151** | 42AF35AF | **119626** |
| Open | 3/4 | 6.3 | 312P629 | **93548** | 208 | 1 | 1.25 | | | 5.50 | 8.50 | RTA1-M | **151192** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| Open | 3/4 | 5.5 | 312P629 | **93548** | 240 | 1 | 1.25 | | | 4.00 | 6.30 | RTA1-L | **151191** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| Open | 3/4 | 2.9 | 312P696 | **36951** | 208 | 3 | 1.25 | | | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| Open | 3/4 | 2.6 | 312P696 | **36951** | 240 | 3 | 1.25 | | | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| Open | 3/4 | 1.3 | 312P696 | **36951** | 480 | 3 | 1.25 | | | 1.00 | 1.50 | RTA1-G | **151187** | CL00A310T-J | **151146** | 42AF35AF | **119626** |
| Open | 3/4 | 1 | H992 | **202090** | 575 | 3 | 1.25 | | | 0.65 | 1.10 | RTA1-F | **151186** | CL00A310T-J | **151146** | - | - |
| Open | 1 | 13 | 327P297 or C523 | **13685** | 120 | 1 | 1.25 | | | 10.00 | 16.00 | RTA1-P | **151194** | CL01A310T-J | **151151** | 42AF35AF | **119626** |
| Open | 1 | 7.5 | 327P297 or C523 | **13685** | 208 | 1 | 1.25 | | | 5.50 | 8.50 | RTA1-M | **151192** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| Open | 1 | 6.5 | 327P297 or C523 | **13685** | 240 | 1 | 1.25 | | | 5.50 | 8.50 | RTA1-M | **151192** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| Open | 1 | 3.7 | 312P703 or H882 | **36580** | 208 | 3 | 1.15 | | 79.0% | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| Open | 1 | 3.2 | 312P703 or H882 | **36580** | 240 | 3 | 1.15 | | 79.0% | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| Open | 1 | 1.6 | 312P703 or H882 | **36580** | 480 | 3 | 1.15 | | 79.0% | 1.30 | 1.90 | RTA1-H | **151188** | CL00A310T-J | **151146** | 42AF35AF | **119626** |
| Open | 1 | 1.1 | E1006 | **158175** | 575 | 3 | 1.15 | | 82.5% | 1.00 | 1.50 | RTA1-G | **151187** | CL00A310T-J | **151146** | - | - |
| Open | 1.5 | 15 | C621 | **194202** | 120 | 1 | 1.2 | 86.4 | 77.2% | 10.00 | 16.00 | RTA1-P | **151194** | CL02A310T-J | **151156** | 42AF35AF | **119626** |
| Open | 1.5 | 7.8 | C621 | **194202** | 208 | 1 | 1.2 | 86.4 | 77.2% | 5.50 | 8.50 | RTA1-M | **151192** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| Open | 1.5 | 7.5 | C621 | **194202** | 240 | 1 | 1.2 | 86.4 | 77.2% | 5.50 | 8.50 | RTA1-M | **151192** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| Open | 1.5 | 5.6 | H884 | **115859** | 208 | 3 | 1.15 | 66.4 | 78.6% | 4.00 | 6.30 | RTA1-L | **151191** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| Open | 1.5 | 5 | H884 | **115859** | 240 | 3 | 1.15 | 66.4 | 78.6% | 4.00 | 6.30 | RTA1-L | **151191** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| Open | 1.5 | 2.8 | H884 | **115859** | 480 | 3 | 1.15 | 66.4 | 78.6% | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-J | **151146** | 42AF35AF | **119626** |
| Open | 1.5 | 1.6 | E1007 | **158162** | 575 | 3 | 1.15 | 85.3 | 84.0% | 1.30 | 1.90 | RTA1-H | **151188** | CL00A310T-J | **151146** | - | - |

## Blower Motor, Starter, and Contactor (cont'd)

Motors that don't list a contactor require a starter. If a contactor is listed, starter is optional.

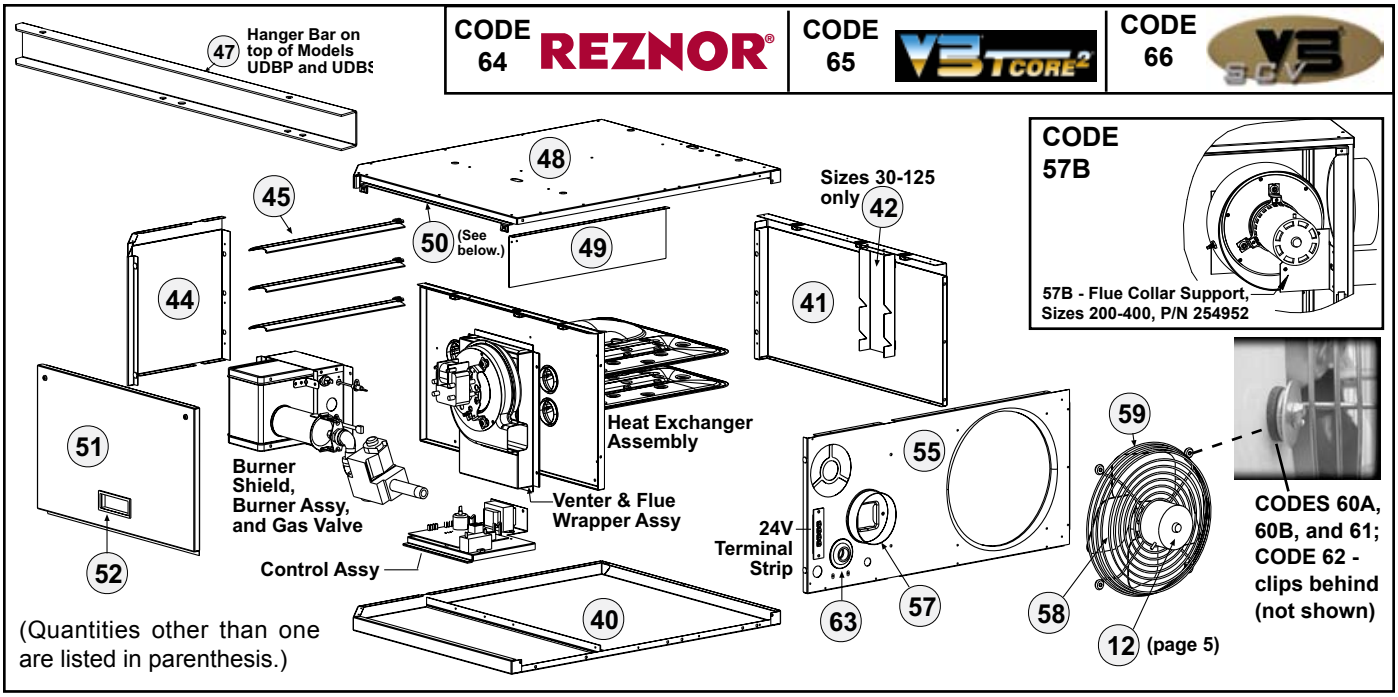
| MOTOR (cont'd) | | | Mfr | Reznor | Volt | ph | Service | Power | Efficiency | OVERLOAD | | | | STARTER | | CONTACTOR | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Type | HP | FLA | Model No. | P/N | | | Factor | Factor | | min | max | GE # | P/N | GE # | P/N | GE # | P/N |
| Open | 2 | 24.6 | 327P922 | **202581** | 120 | 1 | 1 | | | 21.00 | 26.00 | RTA1-U | **151197** | CL04A310M-J | **151165** | 42AF35AF | **119626** |
| Open | 2 | 12.3 | 327P922 | **202581** | 208 | 1 | 1.15 | | | 10.00 | 16.00 | RTA1-N | **151193** | CL01A310T-L | **151155** | 42AF35AG | **119627** |
| Open | 2 | 12.3 | 327P922 | **202581** | 240 | 1 | 1.15 | | | 8.00 | 12.00 | RTA1-N | **151193** | CL01A310T-S | **151152** | 42AF35AG | **119627** |
| Open | 2 | 7 | H886 | **159327** | 208 | 3 | 1.15 | 67 | 79.0% | 5.50 | 8.50 | RTA1-M | **151192** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| Open | 2 | 6.6 | H886 | **159327** | 240 | 3 | 1.15 | 67 | 79.0% | 5.50 | 8.50 | RTA1-M | **151192** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| Open | 2 | 3.5 | H886 | **159327** | 480 | 3 | 1.15 | 67 | 79.0% | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-J | **151146** | 42AF35AF | **119626** |
| Open | 2 | 2.1 | E1008 | **158176** | 575 | 3 | 1.15 | 86 | 84.0% | 1.80 | 2.70 | RTA1-J | **151189** | CL00A310T-J | **151146** | - | **-** |
| Open | 3 | 14 | B735 | **111560** | 208 | 1 | 1.15 | 94.5 | 80.3% | 10.00 | 16.00 | RTA1-P | **151194** | CL02A310T-L | **151159** | - | **-** |
| Open | 3 | 12.4 | B735 | **111560** | 240 | 1 | 1.15 | 94.5 | 80.3% | 10.00 | 16.00 | RTA1-P | **151194** | CL01A310T-S | **151152** | - | **-** |
| Open | 3 | 9 | H845 | **159185** | 208 | 3 | 1.15 | | | 8.00 | 12.00 | RTA1-N | **151193** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| Open | 3 | 8.6 | H845 | **159185** | 240 | 3 | 1.15 | | | 8.00 | 12.00 | RTA1-N | **151193** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| Open | 3 | 4.3 | H845 | **159185** | 480 | 3 | 1.15 | | | 4.00 | 6.30 | RTA1-L | **151191** | CL00A310T-J | **151146** | 42AF35AF | **119626** |
| Open | 3 | 3.6 | 181532-01 or H954 | **120019** | 575 | 3 | 1.15 | 80.3 | 83.8% | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-J | **151146** | - | **-** |
| Open | 5 | 13.4 | 181159-01 or 196033 | **113371** | 208 | 3 | 1.15 | 87.2 | 85.0% | 10.00 | 16.00 | RTA1-P | **151194** | CL01A310T-L | **151155** | - | **-** |
| Open | 5 | 13.2 | 181159-01 or 196033 | **113371** | 240 | 3 | 1.15 | 87.2 | 85.0% | 10.00 | 16.00 | RTA1-P | **151194** | CL01A310T-S | **151152** | - | **-** |
| Open | 5 | 6.6 | 181159-01 or 196033 | **113371** | 480 | 3 | 1.15 | 87.2 | 85.0% | 5.50 | 8.50 | RTA1-M | **151192** | CL00A310T-J | **151146** | - | **-** |
| Open | 5 | 5.4 | 8-181533-01 or H956 | **120020** | 575 | 3 | 1.15 | 85.9 | 85.3% | 4.00 | 6.30 | RTA1-L | **151191** | CL00A310T-J | **151146** | - | **-** |
| TEFC | 1/4 | 3.6 | STOCK #904 | **105566** | 120 | 1 | 1 | | | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-J | **151146** | 42AF35AF | **119626** |
| TEFC | 1/4 | 2.2 | 108152 | **16074** | 208 | 1 | 1.35 | | | 1.80 | 2.70 | RTA1-J | **151189** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| TEFC | 1/4 | 1.9 | 108152 | **16074** | 240 | 1 | 1.35 | | | 1.30 | 1.90 | RTA1-H | **151188** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| TEFC | 1/4 | 1.6 | 125439 | **16075** | 208 | 3 | 1 | 61.9 | 72.1% | 1.30 | 1.90 | RTA1-H | **151188** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| TEFC | 1/4 | 1.4 | 125439 | **16075** | 240 | 3 | 1 | 61.9 | 72.1% | 1.00 | 1.50 | RTA1-G | **151187** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| TEFC | 1/4 | 0.7 | 125439 | **16075** | 480 | 3 | 1 | 61.9 | 72.1% | 0.65 | 1.10 | RTA1-F | **151186** | CL00A310T-J | **151146** | 42AF35AF | **119626** |
| TEFC | 1/3 | 4.6 | STOCK #906 | **115861** | 120 | 1 | 1 | 68.5 | 72.1% | 4.00 | 6.30 | RTA1-L | **151191** | CL00A310T-J | **151146** | 42AF35AF | **119626** |
| TEFC | 1/3 | 2.3 | C151 | **159501** | 208 | 1 | 1 | 67.2 | 69.5% | 1.80 | 2.70 | RTA1-J | **151189** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| TEFC | 1/3 | 2.4 | C151 | **159501** | 240 | 1 | 1 | 67.2 | 69.5% | 1.80 | 2.70 | RTA1-J | **151189** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| TEFC | 1/3 | 1.2 | H261 | **105567** | 208 | 3 | 1.15 | | 79.5% | 1.00 | 1.50 | RTA1-G | **151187** | CL00A310T-L | **151150** | - | **-** |
| TEFC | 1/3 | 1.2 | H261 | **105567** | 240 | 3 | 1.15 | | 79.5% | 1.00 | 1.50 | RTA1-G | **151187** | CL00A310T-S | **151147** | - | **-** |
| TEFC | 1/3 | 0.6 | H261 | **105567** | 480 | 3 | 1.15 | | 79.5% | 0.40 | 0.65 | RTA1-D | **151184** | CL00A310T-J | **151146** | - | **-** |
| TEFC | 1/2 | 7.2 | C613 | **159184** | 120 | 1 | 1.15 | | | 5.50 | 8.50 | RTA1-M | **151192** | CL00A310T-J | **151146** | 42AF35AF | **119626** |
| TEFC | 1/2 | 3.5 | C613 | **159184** | 208 | 1 | 1.15 | | | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| TEFC | 1/2 | 3.6 | C613 | **159184** | 240 | 1 | 1.15 | | | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| TEFC | 1/2 | 2.3 | 119851 or H274 | **16077** | 208 | 3 | 1 | 59.5 | 74.8% | 1.80 | 2.70 | RTA1-J | **151189** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| TEFC | 1/2 | 2 | 119851 or H274 | **16077** | 240 | 3 | 1 | 59.5 | 74.8% | 1.80 | 2.70 | RTA1-J | **151189** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| TEFC | 1/2 | 1 | 119851 or H274 | **16077** | 480 | 3 | 1 | 59.5 | 74.8% | 0.65 | 1.10 | RTA1-F | **151186** | CL00A310T-J | **151146** | 42AF35AF | **119626** |
| TEFC | 1/2 | 0.7 | H276 | **105568** | 575 | 3 | 1.15 | 76.4 | 77.0% | 0.65 | 1.10 | RTA1-F | **151186** | CL00A310T-J | **151146** | - | **-** |
| TEFC | 3/4 | 11 | F353 | **115860** | 120 | 1 | 1 | 66 | 65.7% | 10.00 | 16.00 | RTA1-P | **151194** | CL01A310T-J | **151151** | 42AF35AF | **119626** |
| TEFC | 3/4 | 5.4 | F353 | **115860** | 208 | 1 | 1 | 66 | 65.7% | 4.00 | 6.30 | RTA1-L | **151191** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| TEFC | 3/4 | 5.5 | F353 | **115860** | 240 | 1 | 1 | 66 | 65.7% | 4.00 | 6.30 | RTA1-L | **151191** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| TEFC | 3/4 | 2 | 142198 or H580 | **20371** | 208 | 3 | 1 | 73.5 | 81.1% | 1.80 | 2.70 | RTA1-J | **151189** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| TEFC | 3/4 | 2.2 | 142198 or H580 | **20371** | 240 | 3 | 1 | 73.5 | 81.1% | 1.80 | 2.70 | RTA1-J | **151189** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| TEFC | 3/4 | 1.1 | 142198 or H580 | **20371** | 480 | 3 | 1 | 73.5 | 81.1% | 1.00 | 1.50 | RTA1-G | **151187** | CL00A310T-J | **151146** | 42AF35AF | **119626** |
| TEFC | 3/4 | 0.8 | H461 | **105569** | 575 | 3 | 1.15 | 78.3 | 82.0% | 0.65 | 1.10 | RTA1-F | **151186** | CL00A310T-J | **151146** | - | **-** |
| TEFC | 1 | 12 | 159105 | **174993** | 120 | 1 | 1.15 | 74.3 | 70.6% | 10.00 | 16.00 | RTA1-P | **151194** | CL01A310T-J | **151151** | 42AF35AF | **119626** |
| TEFC | 1 | 6.2 | 159105 | **174993** | 208 | 1 | 1.15 | 74.3 | 70.6% | 5.50 | 8.50 | RTA1-M | **151192** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| TEFC | 1 | 6 | 159105 | **174993** | 240 | 1 | 1.15 | 74.3 | 70.6% | 5.50 | 8.50 | RTA1-M | **151192** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| TEFC | 1 | 3.3 | 8-159223-01 or H524 | **16080** | 208 | 3 | 1 | 74.4 | 80.2% | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| TEFC | 1 | 3.4 | 8-159223-01 or H524 | **16080** | 240 | 3 | 1 | 74.4 | 80.2% | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| TEFC | 1 | 1.7 | 8-159223-01 or H524 | **16080** | 480 | 3 | 1 | 74.4 | 80.2% | 1.30 | 1.90 | RTA1-H | **151188** | CL00A310T-J | **151146** | 42AF35AF | **119626** |
| TEFC | 1 | 1.4 | H525 | **105570** | 575 | 3 | 1.15 | 71.6 | 80.4% | 1.00 | 1.50 | RTA1-G | **151187** | CL00A310T-J | **151146** | - | **-** |
| TEFC | 1.5 | 16.4 | 311P402 | **94347** | 120 | 1 | | | | 14.50 | 18.00 | RTA1-S | **151196** | CL02A310T-J | **151156** | 42AF35AF | **119626** |
| TEFC | 1.5 | 9.5 | 311P402 | **94347** | 208 | 1 | | | | 8.00 | 12.00 | RTA1-N | **151193** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| TEFC | 1.5 | 8.2 | 311P402 | **94347** | 240 | 1 | | | | 8.00 | 12.00 | RTA1-N | **151193** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| TEFC | 1.5 | 4.3 | 362272 or H535 | **101286** | 208 | 3 | 1 | 80.9 | 82.4% | 4.00 | 6.30 | RTA1-L | **151191** | CL00A310T-L | **151150** | 42AF35AG | **119627** |
| TEFC | 1.5 | 4.4 | 362272 or H535 | **101286** | 240 | 3 | 1 | 80.9 | 82.4% | 4.00 | 6.30 | RTA1-L | **151191** | CL00A310T-S | **151147** | 42AF35AG | **119627** |
| TEFC | 1.5 | 2.2 | 362272 or H535 | **101286** | 480 | 3 | 1 | 80.9 | 82.4% | 1.80 | 2.70 | RTA1-J | **151189** | CL00A310T-J | **151146** | 42AF35AF | **119626** |
| TEFC | 1.5 | 1.6 | E127 | **105665** | 575 | 3 | 1.15 | 85.7 | 84.0% | 1.30 | 1.90 | RTA1-H | **151188** | CL00A310T-J | **151146** | - | **-** |
| TEFC | 2 | 8.3 | Baldor | **205881** | 230 | 1 | 1.15 | 99 | 78.0% | 5.50 | 8.50 | RTA1-M | **151192** | CL00A310T-I | **151147** | 42AF35AG | **119627** |
| TEFC | 2 | 7 | E166 | **158165** | 208 | 3 | 1.15 | 77.5 | 84.0% | 5.50 | 8.50 | RTA1-M | **151192** | CL00A310T-L | **151150** | - | **-** |
| TEFC | 2 | 5.8 | E166 | **158165** | 240 | 3 | 1.15 | 77.5 | 84.0% | 4.00 | 6.30 | RTA1-L | **151191** | CL00A310T-S | **151147** | - | **-** |
| TEFC | 2 | 2.9 | E166 | **158165** | 480 | 3 | 1.15 | 77.5 | 84.0% | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-J | **151146** | - | **-** |
| TEFC | 2 | 2.3 | E169 | **158166** | 575 | 3 | 1.15 | 77.5 | 84.0% | 1.80 | 2.70 | RTA1-J | **151189** | CL00A310T-J | **151146** | - | **-** |
| TEFC | 3 | 7.9 | M3559T | **159330** | 208 | 3 | 1.15 | 85.5 | 85.5% | 5.50 | 8.50 | RTA1-N | **151192** | CL00A310T-L | **151150** | - | **-** |
| TEFC | 3 | 7.2 | M3559T | **159330** | 240 | 3 | 1.15 | 85.5 | 85.5% | 5.50 | 8.50 | RTA1-N | **151192** | CL00A310T-S | **151147** | - | **-** |
| TEFC | 3 | 3.6 | M3559T | **159330** | 480 | 3 | 1.15 | 85.5 | 85.5% | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-J | **151146** | - | **-** |
| TEFC | 3 | 3 | B-M3559T-5 | **111571** | 575 | 3 | 1.15 | 85.5 | 85.5% | 2.50 | 4.10 | RTA1-K | **151190** | CL00A310T-J | **151146** | - | **-** |

# Drives - CODE 35 Motor Pulley, CODE 36 Blower Pulley, CODE 37 Belt

| UDBP and UDBS | OPEN MOTOR HP | Option AL | Voltage Option | Drive, Option AM | Motor Pulley P/N | Motor Pulley Model | Motor Pulley Bore | Blower Pulley P/N | Blower Pulley Model | Blower Pulley Bore | Average Belt Links and Type* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 150 and 175 | 1/4, 1/3 | 2, 3 | AK1, AK2, AK3, AK5, AK6, AK7 | 1, 2 | **4074** | 1VL34 | 1/2 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 3, 4 | **13491** | 1VL40 | 1/2 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 5, 6, 7 | **13491** | 1VL40 | 1/2 | **19111** | AK 84 | 1 | "A-section" 3.8 ft |
| | | | | 8, 9, 10, 11, 12 | **13491** | 1VL40 | 1/2 | **18797** | AK 64 | 1 | "A-section" 3.8 ft |
| | | | | 13, 14, 15, 16, 17 | **13491** | 1VL40 | 1/2 | **135200** | AK 51 | 1 | "A-section" 3.8 ft |
| 150, 175, 200, 225, 250, 300, 350, and 400 | 1/2, 3/4, 1, 1-1/2 | 4, 5, 6, 7 | AK1, AK2, AK3, AK5, AK6, AK7 | 1, 2 | **13580** | 1VL34 | 5/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 3, 4 | **7962** | 1VL40 | 5/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 5, 6, 7 | **7962** | 1VL40 | 5/8 | **19111** | AK 84 | 1 | "A-section" 3.8 ft |
| | | | | 8, 9, 10, 11, 12 | **7962** | 1VL40 | 5/8 | **18797** | AK 64 | 1 | "A-section" 3.8 ft |
| | | | | 13, 14, 15, 16, 17 | **7962** | 1VL40 | 5/8 | **135200** | AK 51 | 1 | "A-section" 3.8 ft |
| 150, 175, 200, 225, 250, 300, 350, and 400 | 1/2, 3/4 | 4, 5 | AK8 | 1, 2 | **13580** | 1VL34 | 5/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 3, 4 | **7962** | 1VL40 | 5/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 5, 6, 7 | **7962** | 1VL40 | 5/8 | **19111** | AK 84 | 1 | "A-section" 3.8 ft |
| | | | | 8, 9, 10, 11, 12 | **7962** | 1VL40 | 5/8 | **18797** | AK 64 | 1 | "A-section" 3.8 ft |
| | | | | 13, 14, 15, 16, 17 | **7962** | 1VL40 | 5/8 | **135200** | AK 51 | 1 | "A-section" 3.8 ft |
| 150, 175, 200, 225, 250, 300, 350, and 400 | 1, 1-1/2 | 6, 7 | AK8 | 1, 2 | **110125** | 1VP34 | 7/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 3, 4 | **106748** | 1VL40 | 7/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 5, 6, 7 | **106748** | 1VL40 | 7/8 | **19111** | AK 84 | 1 | "A-section" 3.8 ft |
| | | | | 8, 9, 10, 11, 12 | **106748** | 1VL40 | 7/8 | **18797** | AK 64 | 1 | "A-section" 3.8 ft |
| | | | | 13, 14, 15, 16, 17 | **106748** | 1VL40 | 7/8 | **135200** | AK 51 | 1 | "A-section" 3.8 ft |
| 150, 175, 200, 225, 250, 300, 350, and 400 | 2 | 8 | AK1, AK2, AK3 | 1, 2 | **13580** | 1VL34 | 5/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 3, 4 | **7962** | 1VL40 | 5/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 5, 6, 7 | **7962** | 1VL40 | 5/8 | **19111** | AK 84 | 1 | "A-section" 3.8 ft |
| | | | | 8, 9, 10, 11, 12 | **7962** | 1VL40 | 5/8 | **18797** | AK 64 | 1 | "A-section" 3.8 ft |
| | | | | 13, 14, 15, 16, 17 | **7962** | 1VL40 | 5/8 | **135200** | AK 51 | 1 | "A-section" 3.8 ft |
| 150, 175, 200, 225, 250, 300, 350, and 400 | 2 | 8 | AK5, AK6, AK7, AK8 | 1, 2 | **110125** | 1VP34 | 7/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 3, 4 | **106748** | 1VL40 | 7/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 5, 6, 7 | **106748** | 1VL40 | 7/8 | **19111** | AK 84 | 1 | "A-section" 3.8 ft |
| | | | | 8, 9, 10, 11, 12 | **106748** | 1VL40 | 7/8 | **18797** | AK 64 | 1 | "A-section" 3.8 ft |
| | | | | 13, 14, 15, 16, 17 | **106748** | 1VL40 | 7/8 | **135200** | AK 51 | 1 | "A-section" 3.8 ft |
| 150, 175, 200, 225, 250, 300, 350, 400 | 3 | 9 | AK2, AK3 | 9, 10, 11, 12 | **7962** | 1VL40 | 5/8 | **202652** | AK124 | 1 | "A-section" 3.8 ft |
| | | | | 13, 14, 15, 16, 17, 18, 19 | **7962** | 1VL40 | 5/8 | **202653** | AK94 | 1 | "A-section" 3.8 ft |
| 150, 175, 200, 225, 250, 300, 350, 400 | 3, 5 | 9, 10 | AK5, AK6, AK7, AK8 | 9, 10, 11, 12 | **106748** | 1VL40 | 7/8 | **101414** | BK130 | 1 | "B-section" 3.8 ft |
| | | | | 13, 14, 15, 16, 17 | **106748** | 1VL40 | 7/8 | **202654** | BK105 | 1 | "B-section" 3.8 ft |
| **UDBP and UDBS** | **TEFC MOTOR HP** | **Option AL** | **Voltage Option** | **Drive, Option AM** | **Motor Pulley P/N** | **Motor Pulley Model** | **Motor Pulley Bore** | **Blower Pulley P/N** | **Blower Pulley Model** | **Blower Pulley Bore** | **Average Belt Links and Type*** |
| 150 and 175 | 1/4 | 19 | AK1 | 1, 2 | **4074** | 1VL34 | 1/2 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 3, 4 | **13491** | 1VL40 | 1/2 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 5, 6, 7 | **13491** | 1VL40 | 1/2 | **19111** | AK 84 | 1 | "A-section" 3.8 ft |
| | | | | 8, 9, 10, 11, 12 | **13491** | 1VL40 | 1/2 | **18797** | AK 64 | 1 | "A-section" 3.8 ft |
| | | | | 13, 14, 15, 16, 17 | **13491** | 1VL40 | 1/2 | **135200** | AK 51 | 1 | "A-section" 3.8 ft |
| 150, 175, 200, 225, 250, 300, 350, and 400 | 1/4 | 19 | AK2, AK3, AK5, AK6, AK7 | 1, 2 | **13580** | 1VL34 | 5/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 3, 4 | **7962** | 1VL40 | 5/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 5, 6, 7 | **7962** | 1VL40 | 5/8 | **19111** | AK 84 | 1 | "A-section" 3.8 ft |
| | | | | 8, 9, 10, 11, 12 | **7962** | 1VL40 | 5/8 | **18797** | AK 64 | 1 | "A-section" 3.8 ft |
| | | | | 13, 14, 15, 16, 17 | **7962** | 1VL40 | 5/8 | **135200** | AK 51 | 1 | "A-section" 3.8 ft |
| 150 and 175 | 1/3 | 20 | AK1, AK2, AK3, AK5, AK6, AK7 | 1, 2 | **4074** | 1VL34 | 1/2 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 3, 4 | **13491** | 1VL40 | 1/2 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 5, 6, 7 | **13491** | 1VL40 | 1/2 | **19111** | AK 84 | 1 | "A-section" 3.8 ft |
| | | | | 8, 9, 10, 11, 12 | **13491** | 1VL40 | 1/2 | **18797** | AK 64 | 1 | "A-section" 3.8 ft |
| | | | | 13, 14, 15, 16, 17 | **13491** | 1VL40 | 1/2 | **135200** | AK 51 | 1 | "A-section" 3.8 ft |
| 150, 175, 200, 225, 250, 300, 350, and 400 | 1/2, 3/4, 1 | 21, 22,23 | AK1, AK2, AK3, AK5, AK6, AK7, AK8 | 1, 2 | **13580** | 1VL34 | 5/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 3, 4 | **7962** | 1VL40 | 5/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 5, 6, 7 | **7962** | 1VL40 | 5/8 | **19111** | AK 84 | 1 | "A-section" 3.8 ft |
| | | | | 8, 9, 10, 11, 12 | **7962** | 1VL40 | 5/8 | **18797** | AK 64 | 1 | "A-section" 3.8 ft |
| | | | | 13, 14, 15, 16, 17 | **7962** | 1VL40 | 5/8 | **135200** | AK 51 | 1 | "A-section" 3.8 ft |
| 150, 175, 200, 225, 250, 300, 350, and 400 | 1-1/2 | 24 | AK1, AK2, AK3, AK5, AK6, AK7 | 1, 2 | **13580** | 1VL34 | 5/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 3, 4 | **7962** | 1VL40 | 5/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 5, 6, 7 | **7962** | 1VL40 | 5/8 | **19111** | AK 84 | 1 | "A-section" 3.8 ft |
| | | | | 8, 9, 10, 11, 12 | **7962** | 1VL40 | 5/8 | **18797** | AK 64 | 1 | "A-section" 3.8 ft |
| | | | | 13, 14, 15, 16, 17 | **7962** | 1VL40 | 5/8 | **135200** | AK 51 | 1 | "A-section" 3.8 ft |
| 150, 175, 200, 225, 250, 300, 350, and 400 | 1-1/2 | 24 | AK8 | 1, 2 | **110125** | 1VP34 | 7/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 3, 4 | **106748** | 1VL40 | 7/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 5, 6, 7 | **106748** | 1VL40 | 7/8 | **19111** | AK 84 | 1 | "A-section" 3.8 ft |
| | | | | 8, 9, 10, 11, 12 | **106748** | 1VL40 | 7/8 | **18797** | AK 64 | 1 | "A-section" 3.8 ft |
| | | | | 13, 14, 15, 16, 17 | **106748** | 1VL40 | 7/8 | **135200** | AK 51 | 1 | "A-section" 3.8 ft |
| 150, 175, 200, 225, 250, 300, 350, and 400 | 2 | 25 | AK5, AK6, AK7, AK8 | 1, 2 | **110125** | 1VP34 | 7/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 3, 4 | **106748** | 1VL40 | 7/8 | **111609** | AK 99 | 1 | "A-section" 3.8 ft |
| | | | | 5, 6, 7 | **106748** | 1VL40 | 7/8 | **19111** | AK 84 | 1 | "A-section" 3.8 ft |
| | | | | 8, 9, 10, 11, 12 | **106748** | 1VL40 | 7/8 | **18797** | AK 64 | 1 | "A-section" 3.8 ft |
| | | | | 13, 14, 15, 16, 17 | **106748** | 1VL40 | 7/8 | **135200** | AK 51 | 1 | "A-section" 3.8 ft |
| 150, 175, 200, 225, 250, 300, 350, 400 | 3 | 26 | AK5, AK6, AK7, AK8 | 9, 10, 11, 12 | **106748** | 1VL40 | 7/8 | **101414** | BK130 | 1 | "B-section" 3.8 ft |
| | | | | 13, 14, 15, 16, 17 | **106748** | 1VL40 | 7/8 | **202654** | BK105 | 1 | "B-section" 3.8 ft |

***** Assume 17 belt links per foot. **CODE 37,** "A" Belt link, **P/N 201809,** Fenner #0408030; "B" Belt link, **P/N 202655,** Fenner #0408050.

## Cabinet Parts



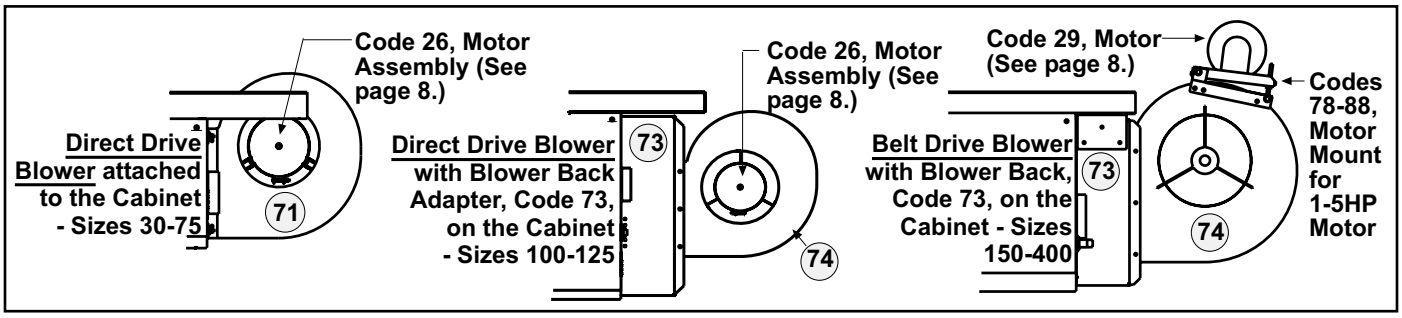

(Quantities other than one are listed in parenthesis.)

| | Description | | Model | 30 | 45 | 60 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 350 | 400 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40 | Bottom Pan Assembly | | All | 195772 | | | | | | 196025 | | | | | 196350 | | |
| 41 | Left Side Panel | | All | 195492 | | 195493 | | 195494 | | 195562 | | | 195563 | | 195564 | | |
| 42 | Heat Exchanger Support | | All | 196317 | 196318 | 196319 | 196320 | 196321 | 196322 | The heat exchanger support and support gaskets for Sizes 150-400 are part of the replacement heat exchanger; see page 14. | | | | | | | |
| 43 | Ht Exchanger Support Gasket | | All | (2) 195663 | | | | | | | | | | | | | |
| 44 | Front Panel (if replacing on unit mfgd prior to 4/2010, requires new top panel, Code 48.) | | UDAP/UDAS | 195489* | | 195490* | | 195491* | | 201692 | | | 201693 | | 201694 | | |
| | | | UDBP/UDBS | 201755 | | 201756 | | 201757 | | 201692 | | | 201693 | | 201694 | | |
| 45A | Horizontal Louver | | All | (3) 195314 | | (4) 195314 | | (6) 195314 | | (5) 195578 | | | (7) 195578 | | (10) 195578 | | |
| 45B | Compression Spring for Louvers | | All | (3) 195046 | | (4) 195046 | | (6) 195046 | | (5) 195046 | | | (7) 195046 | | (10) 195046 | | |
| 46 | Hanger Bar | Right | UDBP/UDBS | 202744 | | | 202746 | 202748 | 202750 | 202752 | | | 202754 | | 202756 | 202758 | |
| | | Left | | 202743 | | | 202745 | 202747 | 202749 | 202751 | | | 202753 | | 202755 | 202757 | |
| 47 | Clip Nut (for hanging) | | All | (2) 196336 | | | | | | | | | | | | | |
| 48 | Top Panel (effective 4/2010, includes Code 50; replacing on unit mfgd prior to 4/2010 requires new Code 44.) | (Top Panel Captive Nuts, P/N 195633) | UDAP/UDAS | 195498* | | | | | | 195556 | | | | | 195557 | | |
| | | | UDBP/UDBS | 201406 | | | | | | 202944 | | | | | 195557 | | |
| 49 | Top Air Baffle | | UDAP/UDAS | 195545 | 195546 | 195547 | 195548 | 195549 | 195550 | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | UDBP/UDBS | -- | -- | -- | -- | -- | -- | 202945 | 202946 | | -- | -- | -- | -- | -- |
| 50 | Top Door Seal | | All | 195999 (beginning 4/2010, part of top panel, Code 48) | | | | | | 196225 (beginning 4/2010, part of top panel, Code 48) | | | | | | | |
| 51A | Access Door (door only without handle and gaskets) | | UDAP/ UDBP | 195483 | | 195484 | | 195485 | | 195565 | | | 195566 | | 195567 | | |
| | | | UDAS/ UDBS | 207604 | | 207605 | | 207606 | | 207607 | | | 207608 | | 207609 | | |
| 51B | Window Plug | | | 207525 | | | | | | | | | | | | | |
| 52 | Door Handle | | All | 196881 | | | | | | | | | | | | | |
| 53 | Door Rubber | | UDAP/UDBP | (4) 155064 | | | | | | | | | | | | | |
| 54 | Door Gaskets | Top/Btm | UDAS/UDBS | (2) 196331 | | | | | | (2) 201673 | | | | | | | |
| | | Side | | (2) 196332 | | (2) 196333 | | (2) 196334 | | (2) 201674 | | | (2) 201675 | | (2) 201676 | | |
| 55 | Rear Panel - UDAS and UDBS include inlet collar. (Fan Model UDAP is illustrated.) | | UDAP | 195486 | | 195487 | | 195488* | | 196347 | | 195558 | 195559 | | 195560 | | |
| | | | UDAS | 197035 | | 197036 | | 197037* | | 197038 | | 197039 | 197040 | | 197041 | | |
| | | | UDBP | 201399 | | 201400 | | 196346 | | 201789 | | 201790 | 201791 | | 201792 | | |
| | | | UDBS | 201383 | | 201384 | | 201385 | | 202319 | | 202320 | 202321 | | 202322 | | |
| 56 | Outlet Collar Gasket | | All | 170048 | | | | | | | | 196822 | | | | | |
| 57A | Outlet Collar (attaches with screws) | UDAP w/std vent & UDBP | | 195077, 4" | | | | | | 195079, 5" | | | 216950, 5" | | 216951, 6" | | |
| | | UDAP-CV w/Opt AV6 | | 195077, 4" | | | | 195079, 5" | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | UDAS and UDBS | | 195077, 4" | | | | | | 195079, 5" | | | 216950, 5" | | 216951, 6" | | |
| 57B | Flue (Outlet) Collar Support | | | -- | -- | -- | -- | -- | -- | -- | -- | 254952 (See illustration top right corner.) | | | | | |
| 58 | Fan Blade (See motor shaft spacing on page 6.) | | UDAP/UDAS | 195644 | 195645 | 195646 | 195647 | 195648 | 195649 | 195678, Revcor 18, 3-22 | 195679, Revcor 18, 3-29 | 195680, Revcor 18, 3-32 | 195681, Revcor 20, 3-27 | 195682, Revcor 20, 3-30 | 195683, Revcor 24, 3-20 | 209122, Lau 61206801 (replaces 195684) | 209121, Lau 61204001 (replaces 195685) |
| | | UDAP45 Low Noise, Opt AL2B | | N/A | 202960 | N/A | | | | | | | | | | | |
| 59 | Fan Guard - std spacing | | UDAP/UDAS | 175266 | | 175267 | | 195047 | | 170084 | | | 170085 | | 170086 | | |
| | Fan Guard (AZ8) - fingerproof | | | 260873 | | 260874 | | 260875 | | -- | | | -- | | -- | | |
| 60A | Fan Guard Isolator Bushing | | | (4) 196349 | | | | | | (4) 96451 | | | | | | | |
| 60B | Screws for Codes 60A & 61 | | | (4) 196330 | | | | | | (4) 96452 | | | | | | | |
| 61 | Fan Guard Isolator | | | (4) 196348 | | | | | | | | | | | | | |
| 62 | Fan Guard Clips (in back) | | | (4) 54633 | | | | | | | | | | | | | |
| 63 | Grommet for Pipe | | UDAS/UDBS | 102607 | | | | | | | | | 15021 | | | | |
| 64 | Reznor Label | | All | 196690 | | 196689 | | 196691 | | 196689 | | | 196691 | | 196692 | | |
| 65 | V3 T-CORE² Label | | UDAP/UDBP | 196693 | | | | | | | | | | | | | |
| 66 | SCV V3 Label | | UDAS/UDBS | 201856 | | | | | | | | | | | | | |
| 67 | Cabinet Touchup Paint | | All | 201805, 11oz spray can, white | | | | | | | | | | | | | |
| 68 | Horizontal Louver Paint | | | 207432, 12 oz aerosol can, maroon | | | | | | | | | | | | | |

*Parts changed effective 3/18/03. Not interchangeable with previously manufactured parts with same P/N.

## Cabinet Parts (cont'd)

### Blower Backs and Blowers - UDBP and UDBS



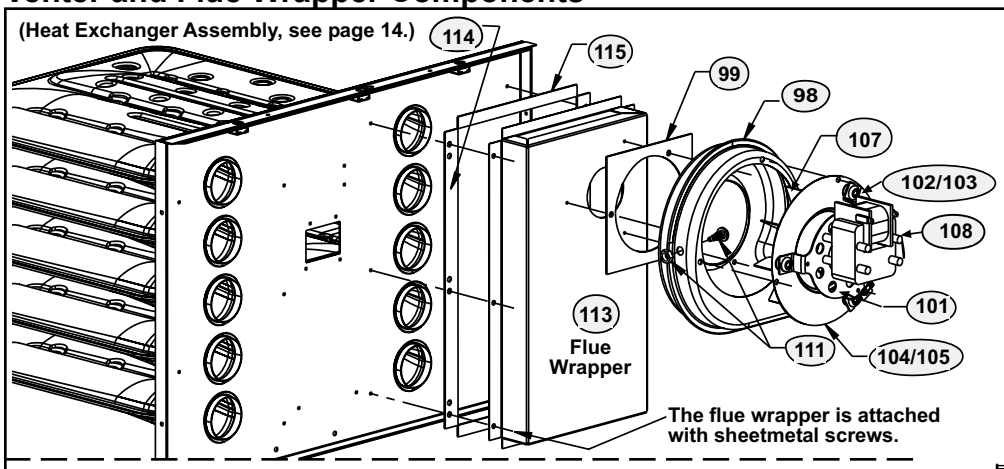

| Code | Description | 30 | 45 | 60 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 350 | 400 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **70** | Restrictor Assembly | **201408** | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **70A** | Restrictor | **194512** | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **70B** | Restrictor Angle | (3) **100892** | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **70C** | Sheetmetal Screw | (3) **195638** | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **71** | Blower Assembly | **201401** | | | | See Code 74. | | | | | | | | | |
| **71A** | Blower 9 X 6 | **82111** | | | | | | | | | | | | | |
| **71B** | Blower Mounting Angle | (2) **201740** | | | | | | | | | | | | | |
| **71C** | #10 x 1/2" Long Teks | (6) **37661** | | | | | | | | | | | | | |
| **72** | Blower Back Corner Post | - | - | - | - | **196239** | | **201797** | | | **201798** | | **201799** | | |
| **73** | Blower Adapter Back Assy | - | - | - | - | **201403** | | **202931** | **201800** | | **201801** | | **201802** | | |
| **73A** | Adapter Back Bottom | - | - | - | - | **202050** | **202050** | **201718** | | | **201719** | | **201720** | | |
| **73B** | Adapter Back Top | - | - | - | - | **196032** | **196032** | **201715** | | | **201716** | | **201717** | | |
| **73C** | Adapter Back Left Side | - | - | - | - | **197253** | **197253** | **201724** | | | **201725** | | **201726** | | |
| **73D** | Adapter Back Right Side | - | - | - | - | **197254** | **197254** | **201721** | | | **201722** | | **201723** | | |
| **73E** | Screw | - | - | - | - | (20) **195638** | | (34) **195638** | | | (26) **195638** | | (34) **195638** | | |
| **73F** | Air Baffle Horizontal | - | - | - | - | (2) **196344** | | **202934** | (2)**202932** | | - | - | (2) **202933** | | |
| **73G** | Air Baffle Vertical | - | - | - | - | **196345** | **196345** | - | - | - | - | - | - | - | - |
| **73H** | Hanger Support Bracket Left | - | - | - | - | - | - | **202759** | | | | | | | |
| **73I** | Hanger Support Bracket Right | - | - | - | - | - | - | **202760** | | | | | | | |
| **73J** | Bolt 1/4" X 5/8" (Hanger Support Bracket to Adapter Back) | - | - | - | - | - | - | (6) **47252** | | | | | | | |
| **73K** | Nut 1/4" - 20 | - | - | - | - | - | - | (6) **7328** | | | | | | | |
| **74** | Blower | See CODE 71. | | | | **201770**, 10x10 | | **1360**, 12x12 | | | **100658**, 15x11 | | **100659**, 15x15 | | |
| **75A** | Key, 1/4" square x 1-1/4" long | - | - | - | - | - | - | **16099** | | | | | | | |
| **75B** | Blower Shaft | - | - | - | - | - | - | **11303, 1 x 22** | | | | | **100747, 1 x 23** | | |
| **75C** | Blower Bearings | - | - | - | - | - | - | **10437, SRC-16-1-1"** | | | | | | | |

### Blower Motor Mounting Components

| Motor Mounting 1/4 - 3/4 HP Motor | | 150-250 |
|---|---|---|
| **76** | Motor Adjustment Bracket Assembly | **193996** |
| **76A** | Motor Adjustment Bracket | **12575** |
| **76B** | 5/16-18 Spotweld Nut | (2) **16233** |
| **76C** | Hex Head Motor Adjustment, Bolt, 5/16-18 x 4" lg | (2) **14668** |
| **76D** | 5/16-18 Hex Nut | (2) **1035** |
| **76E** | 1/4-20 x 3/4" long Hex Head, Cap Screw | (2) **16246** |
| **76F** | 1/4-20 Hex Nut (Kep) | (2) **10650** |
| **76G** | 1/4" Flat Washer | (4) **1320** |
| **77** | Hardware Bag for CODE 76 | **64940** |

| Motor Mounting 1-5 HP Motor | | 175-200 | 225-250 | 300-400 |
|---|---|---|---|---|
| **78** | Motor Mounting Plate for 1HP - 5HP | **202839** | **202840** | **202841** |
| **79** | Motor Mounting Plate Left Support | **12576** | | |
| **80** | Motor Mounting Plate Right Support | **12577** | | |
| **81** | Rod Bolt 5/16-18 | (2) **12489** | | |
| **82** | Hex Nut 5/16-18 | (2) **1035** | | |
| **83** | Hex Nut 5/16-18 (Keps) | (6) **6554** | | |
| **84** | Flat Washer 5/16" | (8) **1087** | | |
| **85** | 5/16-18 x 3/4" lg Hex Head Cap Screw | (6) **16247** | | |
| **86** | 5/16-18 x 1-1/2" lg Hex Head Cap Screw | (2) **16248** | | |
| **87** | 5/16"-18 Threaded Insert #ATS2-518 | (4) **124260** | | |
| **88** | #10-16 x 1/2" long Teks | (4) **37661** | | |

## Venter and Flue Wrapper Components

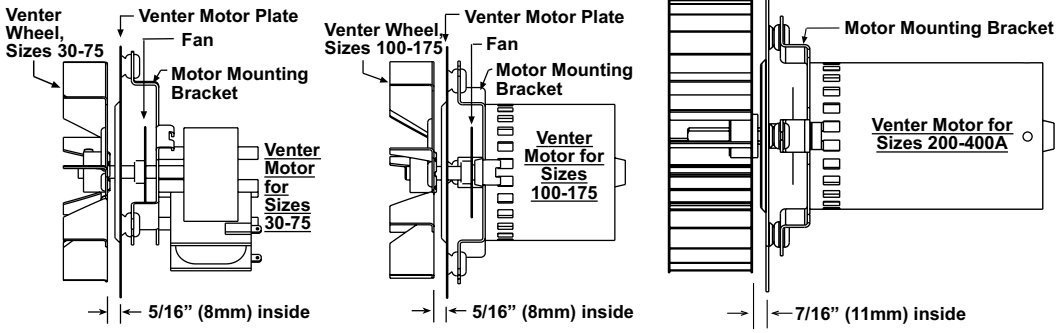



### CODE 109 - Venter Motor Capacitor



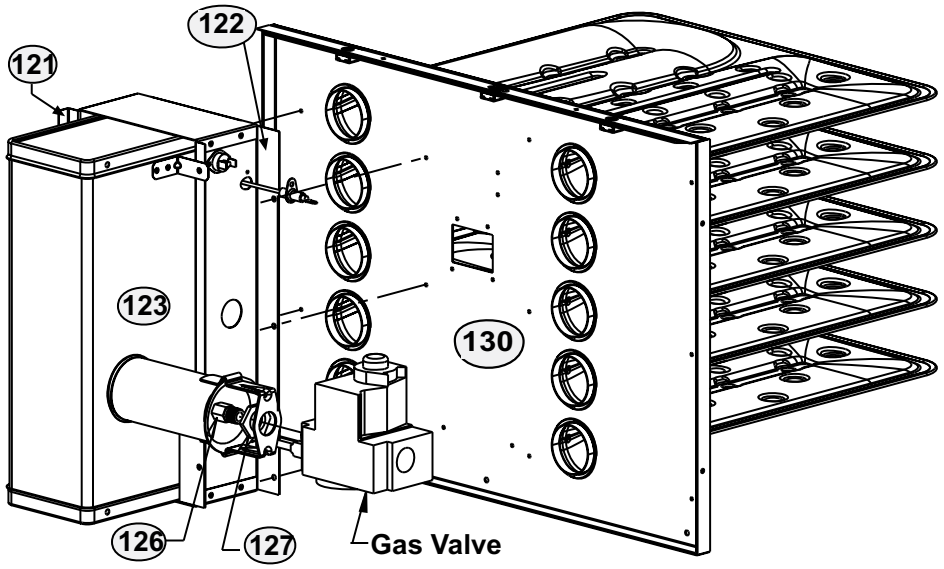
See P/N's below and location on page 4.

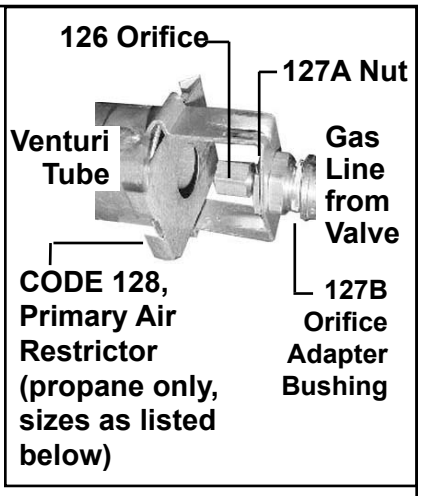
### CODE 100 - Venter Motor and Wheel Assemblies showing Components and Spacing




| Code | Description | | Model | 30 | 45 | 60 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 350 | 400 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98 | Venter Housing | | All | 196248 | | | | | | | | 195634 prior to 7/23/09; 257029 after 7/23/09 | | | | | |
| 99 | Venter Housing Gasket | | | 196012 | | | | | | | | 196013 prior to 7/23/09; 254935 after 7/23/09 | | | | | |
| 100 | Venter Motor and Wheel Assy **NOTE:** 460V & 575V supply use 115V vntr motor. | 115V | All (not w/AV6) | 220779 | | | | 220780 | | 220782 | | 220784 | | | 220786 | | |
| | | 208/230V/1ph | UDAP/UDAS | 220781 | | | | | | 220783 | | 220785 | | | 220787 | | |
| | | 208/230V/3ph | UDBP/UDBS | N/A | | | | | | 220783 | | 220785 | | | 220787 | | |
| **NOTE: CODE 100 includes Codes 101 - 107, 108A, and 110** | | | | | | | | | | | | | | | | | |
| 101 | Venter Motor Bracket | | All | 195072 | | | | -- | -- | 195072 | | | | | | | |
| 102 | Venter Motor Isolator | | | (3) 194534 | | | | | | | | | | | | | |
| 103A | Venter Motor Isolator Bushing | | | (3) 194803 | | | | | | | | | | | | | |
| 103B | Venter Motor Isolator Bushing Screw | | | (3) 113275 | | | | | | | | | | | | | |
| 104 | Venter Motor Plate | | | 194806 | | | | | | | | 194910 | | | | | |
| 105 | Venter Motor Plate Gasket | | | -- | -- | -- | -- | -- | -- | -- | -- | 201472 | | | | | |
| 106A | Venter Motor Clip | | | 194805 (208/230V only) | | | | -- | -- | (3) 194805 | | | | | | | |
| 106B | Venter Motor Clip Screw | | | 92851 (208/230V only) | | | | -- | -- | (3) 92851 | | | | | | | |
| 107 | Venter Wheel | All Models except UDAP-CV | | 195036 | | | | | | | | 195666 | | | | | |
| | | UDAP-CV w/AV6 (common vent) | | 211819 | | | | -- | | -- | -- | -- | -- | -- | -- | -- | -- |
| 108A | Venter Motor only **NOTE:** 460V and 575V supply use 115V venter motor. | 115V | All | 175273 | | | | 256091 | | 196036 | | 196037 | | | 196236 | | |
| | | 115V w/AV6 | UDAP | 217032 | | | | 256091 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | 208/230V/1ph | UDAP/UDAS | 196827 | | | | | | 196828 | | 196829 | | | 196830 | | |
| | | 208/230V/3ph | UDBP/UDBS | N/A | | | | | | 196828 | | 196829 | | | 196830 | | |
| 108B | Vntr Mtr w/Opt D10&14 DDC Cntrl | 115V | UDAP/UDAS | N/A | | | | | | 207992 | 196036 | 208194 | 196037 | | 196236 | 207892 | |
| | | 208/230V/1ph | | | | | | | | 196828 | | 196829 | | | 196830 | | |
| 109A | Vntr Motor Capacitor (in control compartment; see page 4) | 115V | All | -- | -- | -- | -- | -- | -- | 195641, 4MFD, 400 VAC, #MB40040EB | | 195643, 7.5MFD, 400 VAC, #MB40075EB | | | 195642, 5MFD, 400VAC, #MB40050EB | | |
| | **NOTE:** 460V and 575V supply use 115V venter motor. | 208-230V/1ph | UDAP/UDAS | -- | -- | -- | -- | -- | -- | 195641, 4MFD, 400 VAC, #MB40040EB | | 195642, 5MFD, 400VAC, #MB40050EB | | | 195641, 4MFD, 400 VAC, #MB40040EB | | |
| | | 208-230V/3ph | UDBP/UDBS | N/A | | | | | | | | | | | | | |
| 109B | Vntr Mtr Capacitor w/ Opt D10&14 DDC | 115V | UDAP/UDAS | N/A | | | | | | 195642 | 195641 | 195643 | | | 195642 | 195643 | |
| | | 208/230V/1ph | | | | | | | | 195641 | | 195642 | | | 195641 | | |
| 110 | Venter Motor Cooling Fan | | All | 195766 | | | | | | | | 196035 | | | | | |
| 111 | Static Pressure Tap | | All | 116043 | | | | | | | | | | | | | |
| 112 | Silicone Rubber Tubing | | All | 148986, 6" long | | | | | | 148251, 12" | | 205837, 16" | 130673, 20" | | 157904, 22" | | |
| 113 | Flue Wrapper Assy - Sizes 200-400 manufactured prior to 7/23/09 | UDAP w/ std power vent & UDBP | | 196000 | 196001 | 196002 | 196003 | 196004 | 196005 | 201473 | 204461 | 201475 | 201476 | 201477 | 201478 | 201481 | 202721 |
| | | UDAP-CV with Option AV6 | | 196802 | 196803 | 196804 | 196805 | 196806 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | UDAS | | 196807 | 196808 | 196809 | 196810 | 196811 | 196812 | 201473 | 204461 | 201475 | 201476 | 201477 | 201478 | 201481 | 202721 |
| | | UDBS | | 202715 | 202716 | 202717 | 202718 | 202719 | 196812 | 201473 | 204461 | 201475 | 201476 | 201477 | 201478 | 201481 | 202721 |
| | Flue Wrapper Assy - Sizes 200-400 manufactured after 7/23/09 | UDAP w/ std power vent & UDBP | | Same as P/N's listed above for Sizes 30-175. | | | | | | | | 254944 | 254945 | 254946 | 254947 | 254948 | 254949 |
| | | UDAP-CV with Option AV6 | | | | | | | | | | -- | -- | -- | -- | -- | -- |
| | | UDAS | | | | | | | | | | 254944 | 254945 | 254946 | 254947 | 254948 | 254949 |
| | | UDBS | | | | | | | | | | 254944 | 254945 | 254946 | 254947 | 254948 | 254949 |
| 114 | Side Flue Wrapper Gasket | | All | (2) 170029 | | (2) 170030 | | (2) 170031 | | (2) 170033 | (2) 170034 | (2) 170035 | (2) 170042 | (2) 170043 | (2) 170044 | (2) 170036 | (2) 170037 |
| 115 | Top/Btm Flue Wrapper Gasket | | All | (2) 170038 | | | | | | (2) 170039 | | | | | | | |

## Heat Exchanger and Burner Assemblies




**NOTE:** Replacement heat exchanger and burner for Sizes 30-125 is illustrated. Replacement heat exchanger for Sizes 150-400 includes a tube support and four channels connecting the header to the support. All replacement heat exchangers include a gasket kit with instructions for attaching gaskets.

**Burner Assembly** (Quantities other than one are listed in parenthesis.)

| Code | Description | | Model | 30 | 45 | 60 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 350 | 400 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 121 | Burner Shield Front Side | | UDAP/UDAS | 222100 | 222101 | 222102 | 222103 | 222105 | 222106 | 222107 | 222108 | | 222109 | 222110 | 222111 | 222112 | |
| | | | UDBP/UDBS | | | | 222104 | | | | | | | | | 222112 | 222113 |
| 122 | Burner Shield Rear Side | | UDAP/UDAS | 222127 | 222128 | 222129 | 222130 | 222131 | 222132 | 222133 | 222134 | | 222136 | 222137 | 222138 | 222139 | |
| | | | UDBP/UDBS | 222147 | 222148 | 222149 | 222150 | 222151 | 222152 | | | | | | | 222139 | 222140 |
| 123 | Burner Assembly | | UDAP/UDAS | 195231 | 195232 | 195233 | 195234 | 195235 | 195236 | 195237 | 195238 | | 195239 | 195240 | 195241 | 195242 | 195243 |
| | | | UDBP/UDBS | 195231 | 195232 | 195233 | 202642 | 195235 | 195236 | 195237 | 195238 | | 195239 | 195240 | 195241 | 195242 | 195243 |
| 123A | Burner End Gaskets | | All | (2) **195667** | | | | | | (2) **195668** | | | | | | | |
| 124 | Burner Baffle | | UDAP/UDAS | -- | -- | -- | -- | (2) **196750** | | (2) **197238** | | | | | | (2) **197239** | -- |
| | | | | | | | (2) **196751** | | -- | | | | | | | | |
| | | | UDBP/UDBS | -- | -- | (2) **196749** | (2) **202682** (2) **202683** (2) **202684** | (2) **196750** (2) **196751** | -- | (2) **197238** | | | | | | (2) **197239** | -- |
| 125 | Burner Support | | All | (3)**196597** **196752** | (4) **196597** | | | (6) **196597** | | (4) **196598** | | | (6) **196598** | | | | |
| 126 | Burner Orifice | Natural Gas | All | **196853** #37 | **196838** #30 | **196839** 3.7MM | **196855** #19 | **120158** #10 | **196840** #4 | **131581** 5.9MM | **196891** E | **196892** 6.8MM | **221121** 6.95MM | **208255** L | **221122** 8.0MM | **221123** 8.7MM | **196897** 9.6MM |
| | | Propane | | **196844** 1.6MM | **196845** #48 | **196846** 2.3MM | **196852** #39 | **196854** 3.0MM | **196847** 3.2MM | **196898** 9/64" | **196899** #24 | **196900** 4.1MM | **196901** 11/64" | **196902** #14 | **196903** #8 | **196904** #3 | **196905** 5.8MM |
| 127A | 1/2" Pipe Nut | | | **165702** | | | | | | | | | | | | | |
| 127B | Orifice Adapter Bushing | | | **165701**, 1/2x1/4 | | | | | | | | | **194809**, 3/4x3/8 | | | | |
| 128 | Primary Air Restrictor | Propane only | UDAP/UDAS | **196687** | | **196688** | | | -- | **196688** | -- | -- | -- | -- | -- | -- | -- |
| | | | UDBP/UDBS | **203078** | | **202051** | | **196688** | | | -- | -- | -- | -- | -- | -- | -- |
| 129 | Gas Conversion Kits | Natural to Propane | UDAP/UDAS | **201727** | | **201728** | | **202938** | | **201730** | | | **201731** | | | **201732** | |
| | | | UDBP/UDBS | **202936** | | **202937** | | | | | | | | | | | |
| | | Propane to Natural | All | **201733** | | **201734** | | **201735** | | **201736** | | | **201737** | | | **201738** | |

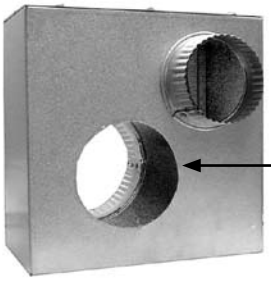
**Heat Exchanger Assembly** (Quantities other than one are listed in parenthesis.)

| Code | Description | | | 30 | 45 | 60 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 350 | 400 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 130 | Heat Exchanger Assembly with Gasket Kit | UDAP and UDAS | Aluminized | **201628** | **201629** | **201630** | **201631** | **201632** | **201633** | **201634** | **201635** | | **201636** | **201637** | **201638** | **201639** | **201640** |
| | | | 409 SS | **201654** | **201655** | **201656** | **201657** | **201658** | **201659** | **201660** | **201661** | | **201662** | **201663** | **201664** | **201665** | **201666** |
| | | | 316 SS | **201641** | **201642** | **201643** | **201644** | **201645** | **201646** | **201647** | **201648** | | **201649** | **201650** | **201651** | **201652** | **201653** |
| | | UDBP and UDBS | Aluminized | **202623** | **202624** | **202625** | **202626** | **202627** | **202628** | **201634** | **201635** | | **201636** | **201637** | **201638** | **201639** | **201640** |
| | | | 409 SS | **202629** | **202630** | **202631** | **202632** | **202633** | **202634** | **201660** | **201661** | | **201662** | **201663** | **201664** | **201665** | **201666** |
| | | | 316 SS | **202635** | **202636** | **202637** | **202638** | **202639** | **202640** | **201647** | **201648** | | **201649** | **201650** | **201651** | **201652** | **201653** |
| 130A | Gasket Kit for Heat Exchanger | | | **201667** | | **201668** | | **201669** | | **201670** | | | **201671** | **221214** | **201672** | | |

## Venting and Combustion Air Kits - Models UDAS and UDBS

**CODES 135A and 136A - Concentric Adapter Box Assembly**

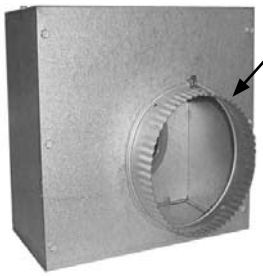
**View of Heater Connection Side**



**Collar for attaching the combustion air pipe from the heater**

**Opening for the vent pipe. The vent pipe extends from the terminal, through the outside air pipe, through the box, and connects to the vent run.**

**View of Vent Terminal Connection Side**



**Collar for attaching the outside portion of the combustion air pipe (the vent pipe runs concentric through the outside portion of the combustion air pipe)**

**CODE 135B - Exhaust Terminal (Vertical Kit)**



**CODE 135C - Combustion Air Inlet (Vertical Kit)**



**CODE 136B - Exhaust Grill (Horizontal Kit)**



**CODE 136C - Inlet Guard (Horizontal Kit)**



**CODE 135 - *Vertical* Vent Terminal/Combustion Air Package (Same as Option CC2) includes:**

| Code | Qty | Size | P/N | Description |
|---|---|---|---|---|
| 135 | 1 | 30-125 | 205895 | Complete Vertical Vent Kit (Same as Option CC2) |
| | | 150-400 | 205896 | |
| 135A | 1 | 30-125 | 205884 | Concentric Adapter Box Assembly |
| | | 150-400 | 205885 | |
| 135B | 1 | 30-125 | 155631 | Exhaust (Vent) Terminal |
| | | 150-400 | 53326 | |
| 135C | 1 | 30-125 | 155635 | Combustion Air Inlet |
| | | 150-400 | 53330 | |
| 136D | 2 | 30-400 | 207232 | Concentric Adapter Box Bracket |
| 135E | 1 | 30-400 | 53335 | Tube of High Temperature (450°F) Silicone Sealant |

**CODE 136 - *Horizontal* Vent Terminal/Combustion Air Package (Same as Option CC6) includes:**

| Code | Qty | Size | P/N | Description |
|---|---|---|---|---|
| 136 | 1 | 30-125 | 211762 | Complete Horizontal Vent Kit (Same as Option CC6) (as of 11/2005; see below) |
| | | 150-400 | 211763 | |
| 136A | 1 | 30-125 | 211789 | Concentric Adapter Box Assembly |
| | | 150-400 | 211790 | |
| 136B | 1 | 30-125 | 211791 | Exhaust Grill |
| | | 150-400 | 211792 | |
| 136C | 1 | 30-125 | 151755 | Inlet Guard |
| | | 150-400 | 124940 | |
| 136D | 8 | 30-400 | 37661 | #10-16 x 1/2" lg Screws to attach guard & grill |
| 136E | 2 | 30-400 | 207232 | Concentric Adapter Box Bracket |
| 136F | 1 | 30-400 | 53335 | Tube of High Temperature (450°F) Silicone Sealant |

**Replacement Parts for Horizontal Vent Terminal/Combustion Air Package (Option CC6) prior to 11/2005**

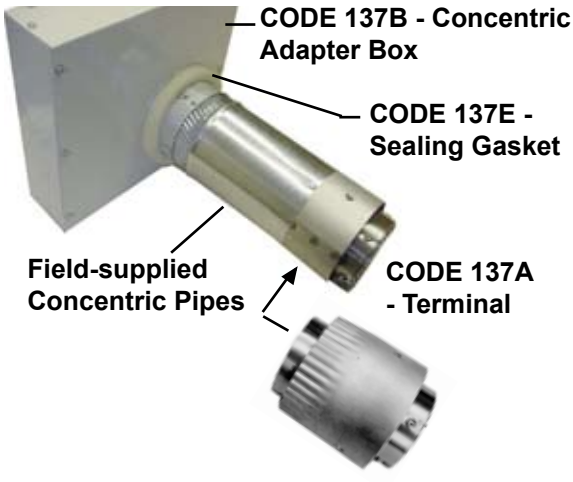
| Code | Qty | Size | P/N | Description |
|---|---|---|---|---|
| 136G | 1 | 30-125 | 205884 | Concentric Adapter Box Assembly |
| | | 150-400 | 205885 | |
| 136H | 1 | 30-125 | 155096 | Screened Exhaust Assembly |
| | | 150-400 | 53316 | |
| 136J | 1 | 30-125 | 151755 | Inlet Guard |
| | | 150-400 | 124940 | |
| 136K | 2 | 30-400 | 207232 | Concentric Adapter Box Bracket |

**CODE 136H - Screened Exhaust Assembly (Horizontal Kit)**



**CODE 137 - Aesthetic Horizontal Concentric Vent/Combustion Air Kit - Models UDAS and UDBS Sizes 30, 45, 60, and 75 (Same as Option CC14)**

| Package P/N 209343 (Same as Option CC14) | | | |
|---|---|---|---|
| CODE | P/N | Qty | Description |
| 137A | 208994 | 1 | Assembled Vent/Combustion Air Terminal |
| 137B | 209320 | 1 | Concentric Adapter Box |
| 137C | 209337 | 2 | Mounting Brackets |
| 137D | 195638 | 6 | Sheetmetal Screws #8-18 X 3/8 |
| 137E | 209338 | 1 | Sealing Gasket |
| 137F | 53335 | 1 | Clear Sealant, #732, 3 oz tube |




***Example of a Finished Vinyl Siding Installation**



***Example of a Finished Brick Wall Installation**



***Field-supplied parts required.**

## Accessories/Options

### CODE 140 - High Altitude Pressure Switch Kit - Above 6000 ft/1830M Elevation (Same as Option DJ20, DJ21) - Models UDAP, UDAS, UDBP, UDBS as listed

See pressure switch locations in illustrations on pages 4 and 5.



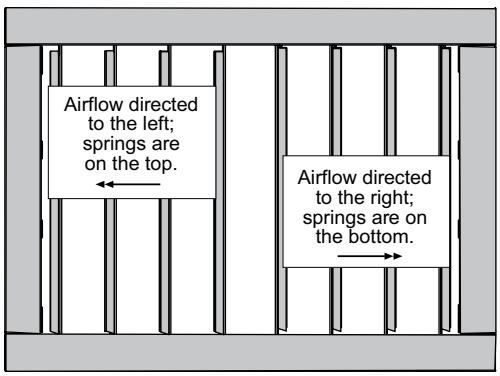
| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Option DJ20 for Model UDAP installed as a standard Power Vented Fan-Type Unit Heater** | **Model UDAP** | **30** | **45** | **60** | **75** | **100** | **125** | **150** | **175** | **200** | **225** | **250** | **300** | **350 & 400** | |
| | | | | | | | | | | | | | | **before 7/23/09** | **after 7/23/09** |
| | **Pkg P/N** | **197117** | | **197118** | | | **197117** | | | **201162** | | | | **201163** | **201162** |
| | High Altitude Switch P/N | **197031** | | **197032** | | | **197031** | | | **201160** | | | | **201161** | **201160** |
| | Negative Pressure OFF Setpoint "w.c. | 0.35 | | 0.45 | | | 0.35 | | | 1.0 | | | | 1.30 | 1.0 |
| | Label color | Purple | | Pink | | | Purple | | | Brown | | | | White | Brown |
| **Option DJ21 applies only to Model UDAP-CV with Option AV6 for Common Venting** | **Model UDAP-CV** | **30** | **45** | **60** | **75** | **100** | | | | | | | | | |
| | **Pkg P/N** | **197119** | **197118** | **197120** | | **197121** | | | | | | | | | |
| | High Altitude Switch P/N | **197029** | **197032** | **196362** | | **196388** | | | | | | | | | |
| | Negative Pressure OFF Setpoint "w.c. | 0.60 | 0.45 | 0.55 | | 0.50 | | | | | | | | | |
| | Label color | Lt Blue | Pink | White | | Orange | | | | | | | | | |
| **Option DJ20 for Model UDAS Separated Combustion Fan-Type Unit Heater** | **Model UDAS** | **30** | **45** | **60** | **75** | **100** | **125** | **150** | **175** | **200** | **225** | **250** | **300** | **350 & 400** | |
| | | | | | | | | | | | | | | **before 7/23/09** | **after 7/23/09** |
| | **Pkg P/N** | **197119** | | | | **197121** | **197205** | **197117** | | **201162** | | | | **201163** | **201162** |
| | High Altitude Switch P/N | **197029** | | | | **196388** | **197030** | **197031** | | **201160** | | | | **201161** | **201160** |
| | Differential Pressure OFF Setpoint "w.c. | 0.60 | | | | 0.50 | 0.40 | 0.35 | | 1.0 | | | | 1.30 | 1.0 |
| | Label color | Lt. Blue | | | | Orange | Green | Purple | | Brown | | | | White | Brown |
| **Option DJ20 for Model UDBP Power Vented Blower-Type High Static Unit Heater** | **Model UDBP** | **30** | **45** | **60** | **75** | **100** | **125** | **150** | **175** | **200** | **225** | **250** | **300** | **350 & 400** | |
| | | | | | | | | | | | | | | **before 7/23/09** | **after 7/23/09** |
| | **Pkg P/N** | **197117** | | **197118** | | **197117** | | | | **201162** | | | | **201163** | **201162** |
| | High Altitude Switch P/N | **197031** | | **197032** | | **197031** | | | | **201160** | | | | **201161** | **201160** |
| | Negative Pressure OFF Setpoint "w.c. | 0.35 | | 0.45 | | 0.35 | | | | 1.0 | | | | 1.30 | 1.0 |
| | Label color | Purple | | Pink | | Purple | | | | Brown | | | | White | Brown |
| **Option DJ20 for Model UDBS Separated Combustion Blower-Type High Static Unit Heater** | **Model UDBP** | **30** | **45** | **60** | **75** | **100** | **125** | **150** | **175** | **200** | **225** | **250** | **300** | **350 & 400** | |
| | | | | | | | | | | | | | | **before 7/23/09** | **after 7/23/09** |
| | **Pkg P/N** | **197117** | **197118** | **202103** | **197118** | **197117** | **197205** | **197117** | | **201162** | | | | **201163** | **201162** |
| | High Altitude Switch P/N | **197031** | **197032** | **196362** | **197032** | **197031** | **197030** | **197031** | | **201160** | | | | **201161** | **201160** |
| | Differential Pressure OFF Setpoint "w.c. | 0.35 | 0.45 | 0.55 | 0.45 | 0.35 | 0.40 | 0.35 | | 1.0 | | | | 1.30 | 1.0 |
| | Label color | Purple | Pink | White | Pink | Purple | Green | Purple | | Brown | | | | White | Brown |

### CODE 141 - Vent Cap - Models UDAP and UDBP (Same as Option CC1)



| Code | Description | 30 | 45 | 60 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 350 | 400 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **140A** | Vent Cap for standard UDAP and UDBP | **111848**, 4" | | | | | | **111849**, 5" | | | | | **111850**, 6" | | |
| **140B** | Vent Cap for UDAP-CV (Model UDAP with Option AV6 for common venting) | **111848**, 4" | | | | **111849**, 5" | -- | -- | -- | -- | -- | -- | -- | -- | -- |

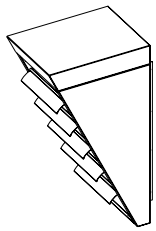
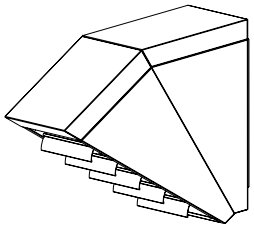
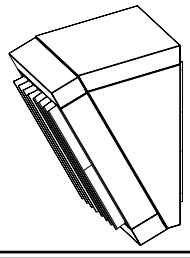
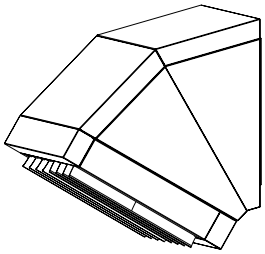
### CODE 142 - Vertical Louvers (Same as Option CD1) - UDAP/UDAS/UDBP/UDBS




**Install and adjust vertical louvers to achieve desired airflow pattern.**

| **Size** | **30, 45** | **60, 75** | **100, 125** | **150, 175, 200** | **225, 250** | **300, 350, 400** |
|---|---|---|---|---|---|---|
| **Option Pkg P/N** | **197097** | **197098** | **197099** | **201199** | **201200** | **201201** |
| *Components* | | | | | | |
| Louver Frame Top and Bottom | (2) **197056** | | | (2) **197189** | | (2) **197190** |
| Louver Frame Sides | (2)**197057** | (2)**197058** | (2)**197059** | (2)**197186** | (2)**197187** | (2)**197188** |
| Screws | (20) **195638**, #8-18 x 3/8" long, AB point, slotted indented serrated hex washer head | | | | | |
| Louvers | (5)**196232** | (5)**196231** | (5)**196233** | (8)**196572** | (8)**196573** | (8)**195315** |
| Compression Springs | (5)**195046** | (5)**195046** | (5)**195046** | (8)**195046** | (8)**195046** | (8)**195046** |

**CODE 143 - Downturn Nozzles (Same as Options CD2, CD3, CD4, CD5)**

| **Option CD2 - one nozzle section with a 25-65° range of air deflection** | **Option CD3 - two nozzle sections with a 50-90° range of air deflection** | **Option CD4 - one nozzle section with a 25-65° range of air deflection and vertical louvers** | **Option CD5 - two nozzle sections with a 50-90° range of air deflection and vertical louvers (use on blower Models UDBP and UDBS only)** |
|---|---|---|---|
|  |  |  |  |

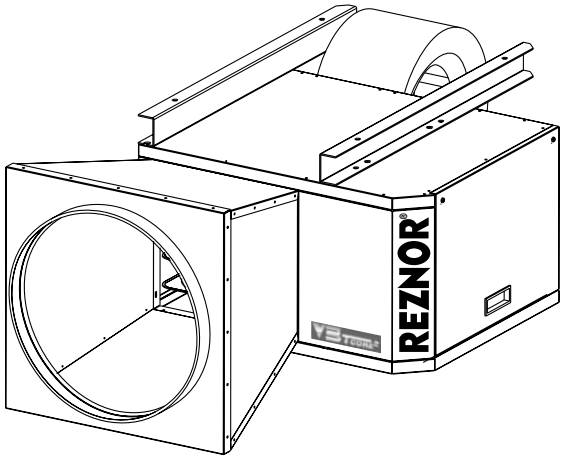
| **Size** | **30, 45** | **60, 75** | **100, 125** | **150, 175, 200** | **225, 250** | **300, 350, 400** |
|---|---|---|---|---|---|---|
| **Option CD2 Pkg P/N** | **197103** | **197104** | **197105** | **201202** | **201203** | **201204** |
| Nozzle Section Right Side | (1) **196990** | (1) **196991** | (1) **196992** | (1) **197173** | (1) **197174** | (1) **197175** |
| Nozzle Section Left Side | (1) **196993** | (1) **196994** | (1) **196995** | (1) **197176** | (1) **197177** | (1) **197178** |
| Nozzle Section Top | (1) **196987** | (1) **196988** | (1) **196989** | (1) **197170** | (1) **197171** | (1) **197172** |
| Nozzle Bracket | -- | -- | -- | (2) **201708** | | (2) **201709** |
| Nozzle Section Bottom | (1) **196996** | | | (1) **196997** | | (1) **197179** |
| Screws, #8-18 x 3/8" long AB point, slotted indented serrated hex washer head | (14) **195638** | | | (16) **195638** | | |
| **Option CD4 Pkg P/N** | **197114** | **197115** | **197116** | **201208** | **201209** | **201210** |
| **Same components as Option CD2 above PLUS** | | | | | | |
| Vertical Louver | (5) **196232** | (5) **196231** | (5) **196233** | (8) **196572** | (8) **196573** | (8) **195315** |
| Compression Spring | (5) **195046** | (5) **195046** | (5) **195046** | (8) **195046** | (8) **195046** | (8) **195046** |
| Louver Top and Bottom Support | (2) **197056** | | | (2) **197189** | | (2) **197190** |
| Louver Frame Side | (2) **197057** | (2) **197058** | (2) **197059** | (2) **197186** | (2) **197187** | (2) **197188** |
| Screws | (20) **195638**, #8-18 x 3/8" long AB point, slotted indented serrated hex washer head | | | | | |
| **Option CD3 Pkg P/N** | **197111** | **197112** | **197113** | **201205** | **201206** | **201207** |
| Nozzle Section Right Side | (2) **196990** | (2) **196991** | (2) **196992** | (2) **197173** | (2) **197174** | (2) **197175** |
| Nozzle Section Left Side | (2) **196993** | (2) **196994** | (2) **196995** | (2) **197176** | (2) **197177** | (2) **197178** |
| Nozzle Section Top | (2) **196987** | (2) **196988** | (2) **196989** | (2) **197170** | (2) **197171** | (2) **197172** |
| Nozzle Bracket | -- | -- | -- | (2) **201708** | | (2) **201709** |
| Nozzle Section Bottom | (2) **196996** | | | (2) **196997** | | (2) **197179** |
| Screws, #8-18 x 3/8" long AB point, slotted indented serrated hex washer head | (28) **195638** | | | (30) 195638 | | |
| **Option CD5 Pkg P/N** | **202094** | **202095** | **202096** | **202097** | **202098** | **202099** |
| **Same components as Option CD3 above PLUS** | | | | | | |
| Vertical Louver | (5) **196232** | (5) **196231** | (5) **196233** | (8) **196572** | (8) **196573** | (8) **195315** |
| Compression Spring | (8) **195046** | | | | | |
| Louver Top and Bottom Support | (2) **197056** | | | (2) **197189** | | (2) **197190** |
| Louver Frame Side | (2) **197057** | (2) **197058** | (2) **197059** | (2) **197186** | (2) **197187** | (2) **197188** |
| Screws | (22) **195638**, #8-18 x 3/8" long AB point, slotted indented serrated hex washer head | | | | | |

**CODE 144 - Duct Flange, Models UDBP and UDBS (Same as Option CD9)**

| **Model UDBP and UDBS** | **30, 45** | **60, 75** | **100, 125** | **150, 175, 200** | **225, 250** | **300, 350, 400** |
|---|---|---|---|---|---|---|
| **Option Pkg P/N** | **202909** | **202910** | **202911** | **202912** | **202913** | **202914** |
| Components (qty in parenthesis): | | | | | | |
| Duct Flange Section (Side & Top / Side & Bottom) | (2) **201750** | (2) **201751** | (2) **201752** | (2) **201813** | (2) **201814** | (2) **201815** |
| Sheetmetal Screws, #10 x 1/2" | (16) **11813** | (14) **11813** | (16) **11813** | (18) **11813** | | |

## Accessories/Options (cont'd)

**CODE 145 - Polytube Adapter, Models UDBP and UDBS Sizes 75-400 (Same as Option CD11)**




| Model UDBP and UDBS | 75 | 100, 125 | 150, 175, 200 | 225, 250 | 300, 350, 400 |
|---|---|---|---|---|---|
| **Option Pkg P/N** | **203086** | **203087** | **203088** | **203089** | **203090** |
| Components: | | | | | |
| Adapter Top/Bottom | (2) **202962** | (2) **202964** | (2) **202966** | (2) **202968** | (2) **202970** |
| Adapter Side | (2) **202961** | (2) **202963** | (2) **202965** | (2) **202967** | (2) **202969** |
| Discharge Panel Assy | **101249** | | **101250** | | |
| Discharge Duct Collar Clamp | **101499** | | **146463** | | |
| Sheetmetal Screws, #10 x 1/2" long | (52) **11813** | | | | |
| Sheetmetal Screw, #10 x 3/4" long | **20859** | | **--** | | |
| 1/4-20 x 1-1/2" long Hex Head Screw | **--** | | **51231** | | |
| 1/4-20 Hex Nuts | **--** | | **7328** | | |
| 1/4-20 Wing Nut | **--** | | **107246** | | |

**CODES 146 and 147 - Guards for Models UDBP and UDBS (Same as Option CD10 and CD12)**



**CODE 146, Blower Inlet Guard in CD10 and CD12**



**CODE 147, Belt Guard in Option CD10**

| Option CD12 for UDBP and UDBS 30-125 | Qty | P/N |
|---|---|---|
| **Option Pkg P/N** | | **114548** |
| Blower Inlet Guard | 1 | **102474** |
| Screws, #10-16 x 1/2" lg | 4 | **37661** |

| Option CD10, Belt & Blower Guards | 150-200 | | 225-400 | |
|---|---|---|---|---|
| **Option Pkg P/N** | **202316** | | **202317** | |
| Components: | Qty | P/N | Qty | P/N |
| Blower Inlet Guard | 1 | **203079** | 1 | **102475** |
| Belt Guard | 1 | **193797** | 1 | **193795** |
| Green Wire Assembly | 1 | **202939** | 1 | **202939** |
| Screws, #10-16 x 1/2" lg (4 for attaching blower inlet guard; 3 for attaching belt guard; and 1 for attaching ground wire to blower) | 8 | **37661** | 8 | **37661** |

**CODE 148 - Hanger Kits (Same as Options CK8 and CK10)**

**Option CK8 - Two-point Suspension**



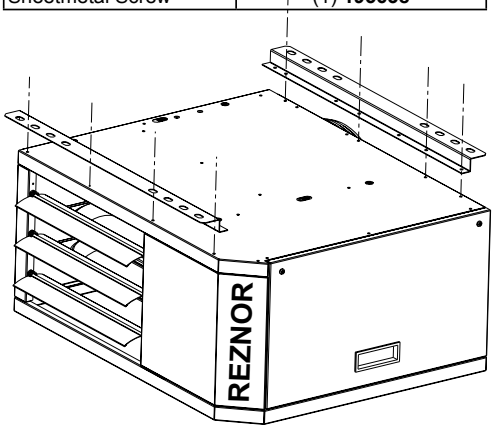
**Option CK10 - Four-point Suspension**



| Size | All |
|---|---|
| **Option CK8 Pkg P/N** | **98509** |
| Swivel Connector Assembly | (2) **17627** |
| 3/8" Lock Washer | (2) **5197** |
| **Option CK10 Pkg P/N** | **98511** |
| Swivel Connector Assembly | (4) **17627** |
| 3/8" Lock Washer | (8) **5197** |
| 3/8" Hex Nuts | (4) **1438** |

**CODE 150 - Ceiling Suspension Kit for Model UDAP and UDAS Sizes 30-125 (Same as Option CK22)**

| Models UDAP & UDAS | 30, 45, 60, 75, 100, 125 |
|---|---|
| Option CK22 Pkg P/N | 197094 |
| Suspension Angle | (2) **195496** |
| Sheetmetal Screw | (1) **195638** |




Attach ceiling brackets to top, across front and rear of the heater. Use cabinet screws and screw from kit.

**Applies only to Models UDAP and UDAS, Sizes 30-125**

**CODE 151 - Manual Shutoff Valve (Same as Option CE1)**



| Description | 30, 45, 60, 75, 100, 125, 150, 175, 200 | 225, 250, 300, 350, 400 |
|---|---|---|
| Option Pkg P/N | 15971 | 15972 |
| Manual Shutoff Ball Valve | **196910**, 1/2" | **196911**, 3/4" |
| Union | **1224**, 1/2" | **1101**, 3/4" |

## Thermostats and Thermostat Accessories

**CODE 160, Single-Stage Thermostat, 24 volt, fan switch, P/N 255350**

**(Same as Option CL1)**

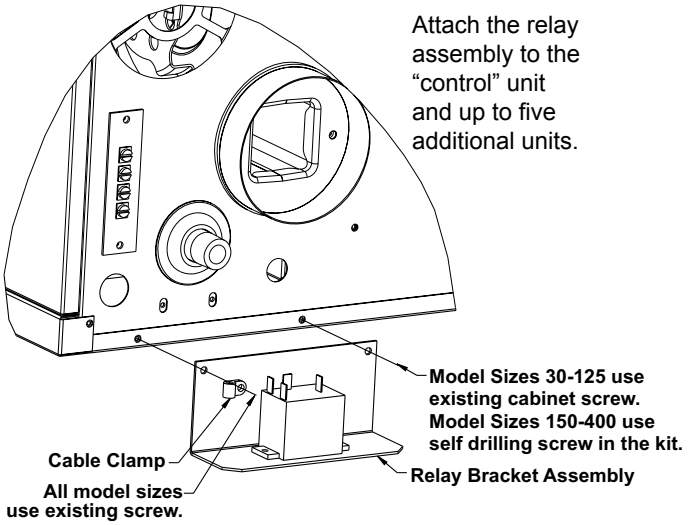


**CODE 161, Two-Stage Thermostat, 24 volt, fan switch, P/N 220630**

**(Same as Option CL22)**



**CODE 162, Kits for Control of 2-6 Heaters**




Attach the relay assembly to the "control" unit and up to five additional units.

| Pkg P/N 197155 for One "Control" Heater and One Additional Heater (Same as Option CL31) | | |
|---|---|---|
| Qty | P/N | Description |
| 1 | **194808** | Transformer 40VA (for the "control" unit) |
| 2 | **197157** | Relay Assemblies each consisting of one P/N 98118, RBM Relay (WR #134-20102-101), wired and mounted on a specially designed bracket. |
| 2 | **195249** | Self drilling screw for attaching relay bracket |
| 2 | **16228** | Cable Clamp 3/16" |
| 1 | **197160** | Wiring Harness Assembly (brown wires) |
| 2 | **197164** | Wiring Diagram Label |

| Pkg P/N 197156 for Each Additional (4 maximum) "non-controlling" Heater (Same as Option CL32) | | |
|---|---|---|
| Qty | P/N | Description |
| 1 | **197157** | Relay Assemblies each consisting of one P/N 98118, RBM Relay (WR #134-20102-101), wired and mounted on a specially designed bracket. |
| 1 | **195249** | Self drilling screw for attaching relay bracket |
| 1 | **16228** | Cable Clamp 3/16" |
| 1 | **197164** | Wiring Diagram Label |

**(800) 695-1901**

**www.RezSpec.com**

©2011 Thomas & Betts, All rights reserved.
**Trademark Note:** Reznor®, TCORE2® , and V3® are registered in at least the United States. All other trademarks are the property of their respective owners.
01/11 Form P-UD (Version C.2)

Thomas&Betts