



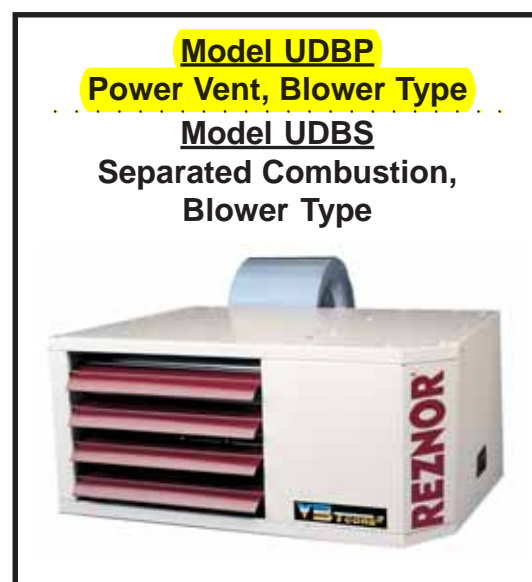
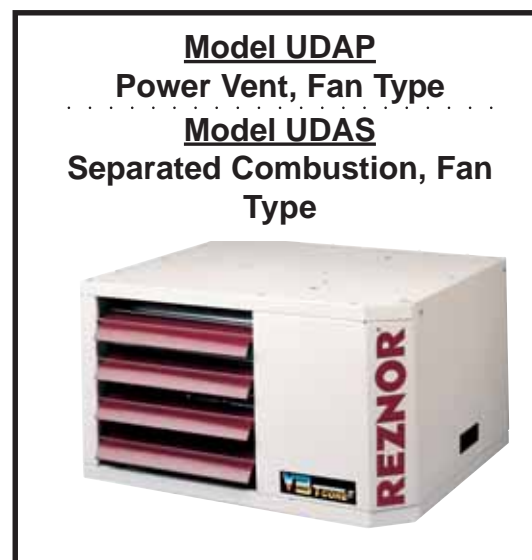
REZNOR®

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.

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

Index of Parts by Page No.	Model			
	UDAP	UDAS	UDBP	UDBS
Belt	--	--	10	10
Blower and Components	--	--	12	12
Bracket for Mounting Thermostat (Same as Option CM3)	19	19	19	19
Burner	14	14	14	14
Cabinet Parts	11	11	11-12	11-12
Capacitor, Fan or Blower Motor	5-6	5-6	8	8
Capacitor, Venter Motor	13	13	13	13
Ceiling Suspension Kit (same as Option CK22)	20	20	--	--
Concentric Adapter Box for Separated Combustion	--	15	--	15
Contactora	--	--	8	8
DDC Controller	7	7	7	7
Downturn Outlet Nozzles (same as Options CD 2, 3, 4, 5)	17	17	17	17
Drive	--	--	10	10
Duct Flange (same as Option CD9)	--	--	18	18
Electrical Components	4-7	4-7	4-9	4-9
Fan Blade	11	11	--	--
Fan Guard	11	11	--	--
Flame Sensor	4-6	4-6	4-6	4-6
Flue Wrapper	13	13	13	13
Fuse	6	6	6	6
Gas Conversion Kits	14	14	14	14
Guards - Belt Guard/Blower Inlet Guard (same as Option CD10 or CD12)	--	--	18	18
Hanger Kits (same as Options CK 8, 10)	20	20	20	20
Heat Exchanger	14	14	14	14
Ignition Control Board (Circuit Board)	4-6	4-6	4-6	4-6
Ignitor	4-6	4-6	4-6	4-6
Isolator for Fan Guard	11	11	11	11
Limit Control, High Temperature	4-6	4-6	4-6	4-6
Louvers, Horizontal	11	11	11	11
Louvers, Vertical (same as Option CD1)	17	17	17	17
Motor, Fan on UDAP/UDAS or Blower on UDBP/UDBS	4-6	4-6	8-9	8-9
Motor, Venter	13	13	13	13
Multiple Heater Control (same as Options CL 31, 32)	19	19	19	19
Orifice	14	14	14	14
Paint (spray touchup)	11	11	11	11
Rating Plate	2	2	2	2
Serial Number	2-3	2-3	2-3	2-3
Spring for Louvers	11	11	11	11
Switch, Disconnect	--	4	--	4
Switch, Door	--	4	--	4
Switch, Flame Rollout	4-6	4-6	--	--
Switch, Pressure (0-6000ft Elevation)	4-6	4-6	4-6	4-6
Switch, Pressure (over 6000ft Elevation)	16	16	16	16
Terminal Board	4-6	4-6	4-6	4-6
Thermostats and Accessories	19	19	19	19
Transformer (control)	4-6	4-6	4-6	4-6
Transformer (stepdown)	7	7	6, 7	6, 7
Valve (electric)	4-6	4-6	4-6	4-6
Valve (manual)	20	20	20	20
Vent Cap (same as Option CC1)	16	--	16	--
Vent/Combustion Air Kits (same as Options CC2, CC6, and CC14)	--	15	--	15
Venter Parts	13	13	13	13



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.

Rating Plate and Serial No.

Example of a Rating Plate, Model UDAP

REZNOR
 MERCER, PA. USA 16137
 MADE IN MEXICO



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

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

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	[H] IN.W.C.
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
 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 or Propane Gas	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 Gas)	S	Maximum External Static Pressure (inches w.c.)
H	Minimum Gas supply Pressure (5.0" w.c. Natural Gas; 11.0" w.c. Propane Gas)	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

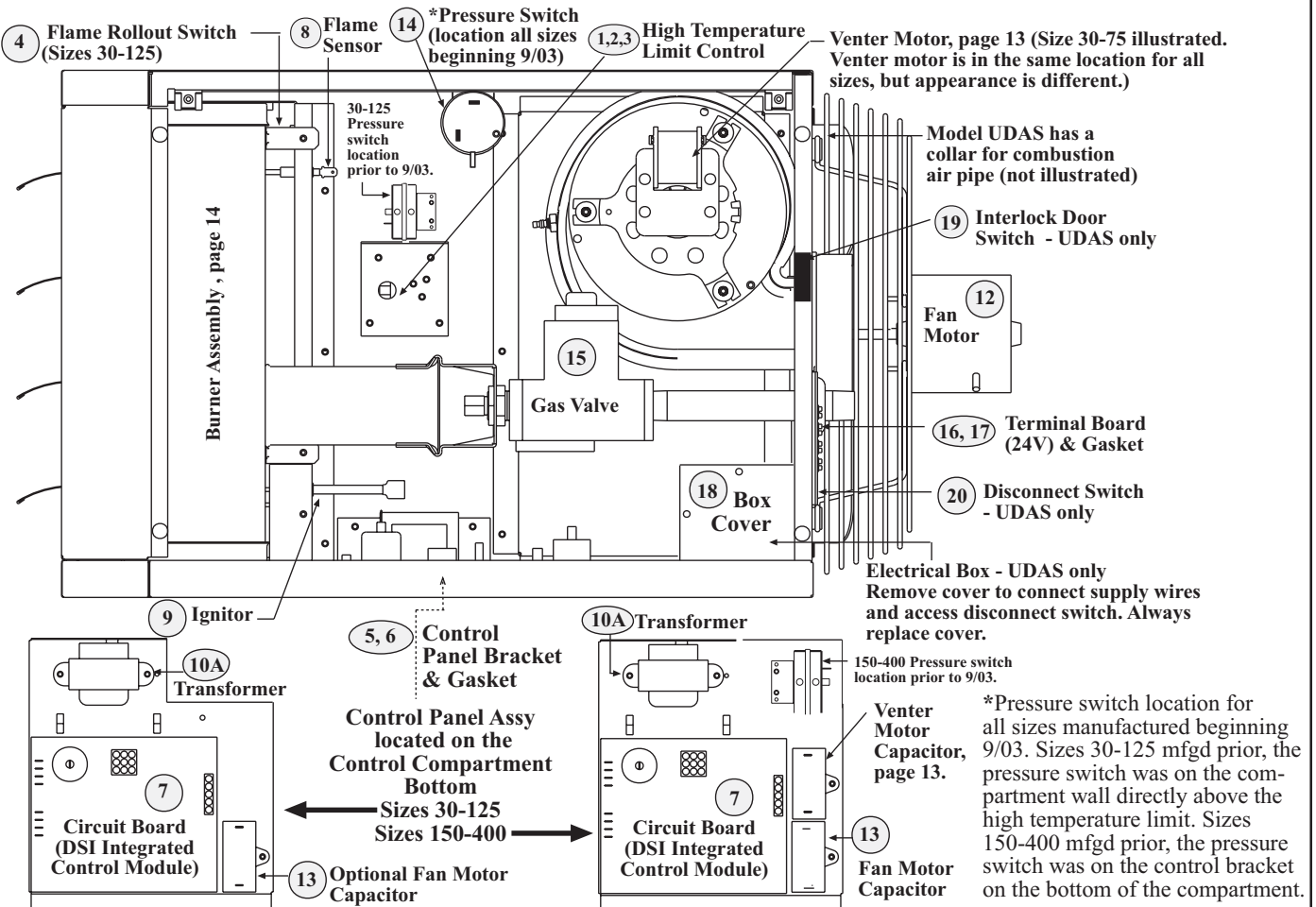
Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
2002	BBA	BBB	BBC	BBD	BBE	BBF	BBG	BBH	BBI	BBJ	BBK	BBL
2003	BCA	BCB	BCC	BCD	BCE	BCF	BCG	BCH	BCI	BCJ	BCK	BCL
2004	BDA	BDB	BDC	BDD	BDE	BDF	BDG	BDH	BDI	BDJ	BDK	BDL
2005	BEA	BEB	BEC	BED	BEE	BEF	BEG	BEH	BEI	BEJ	BEK	BEL
2006	BFA	BFB	BFC	BFD	BFE	BFF	BFG	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

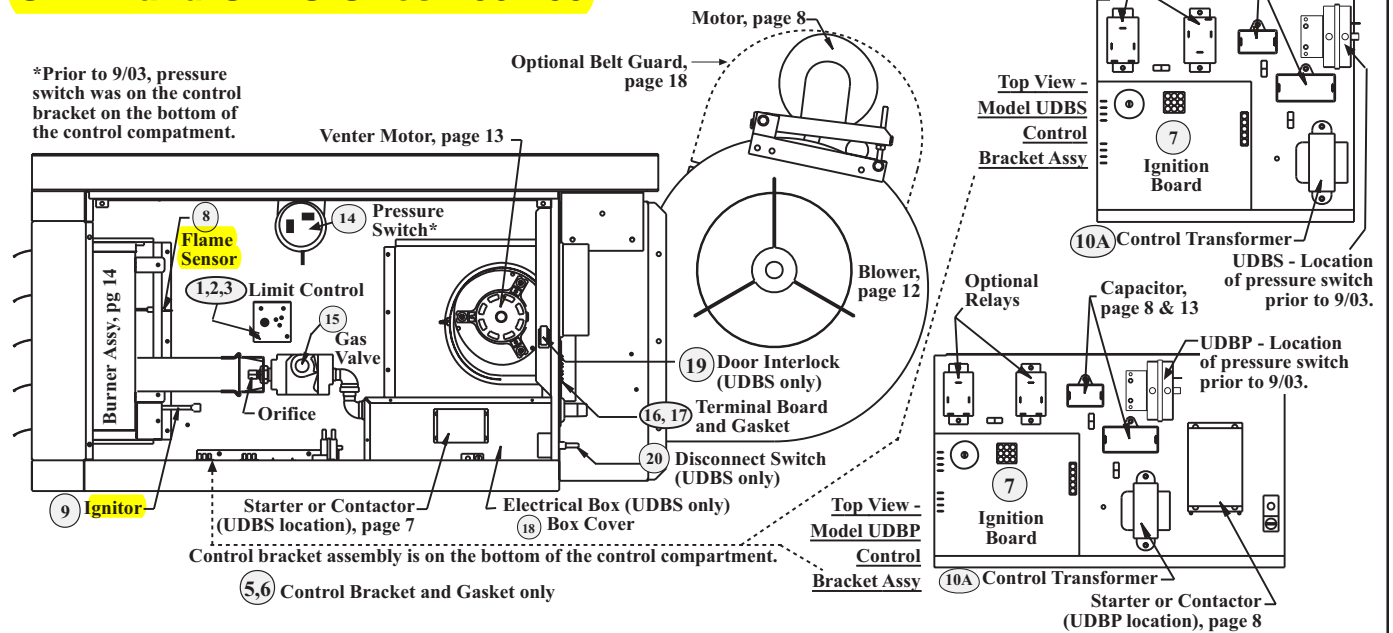
Printed Forms (Request by RZ-NA designation; not P/N.)	Form RZ-NA	P/N
Installation/Operation/Maintenance - All UDAP and UDAS	I-UDA	195673
Installation/Operation/Maintenance - All UDBP and UDBS	I-UDB	202658
Venting Installation - Models UDAP and UDBP	I-UD-V-PV	195675
Venting Installation - Model UDAP-CV with Option AV6 (common vent)	I-UD-V-CV	195677
Venting Installation - Models UDAS and UDBS	I-UD-V-SC	195676
Gas Conversion	I-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)

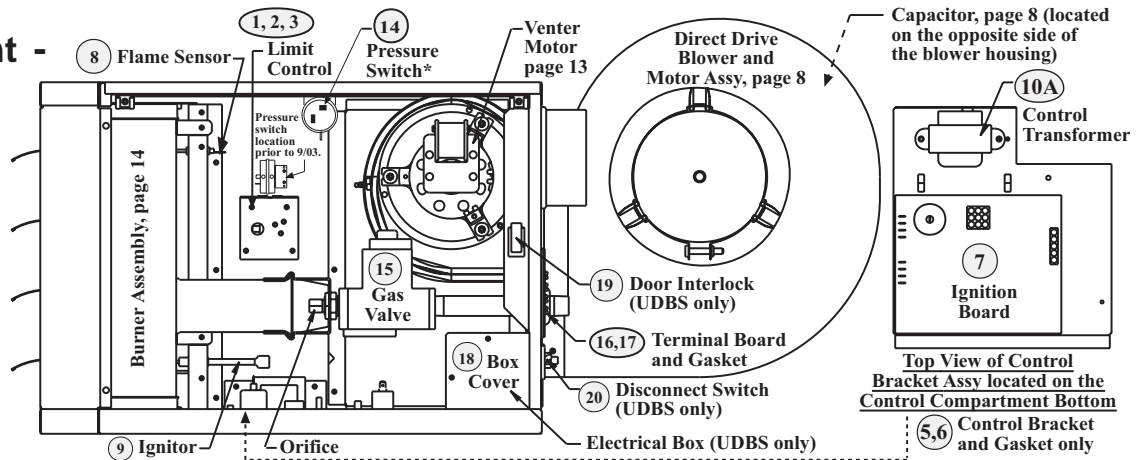
Control Compartment - Models UDAP and UDAS Sizes 30-400



Control Compartment - Models UDBP and UDBS Sizes 150-400



Control Compartment - Models UDBP and UDBS Sizes 30-125



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. "No" indicates no colored dot on the label.)	UDAP/UDAS	96512, 220°F, Blue		45602, 180°F, No			85449, 200°F, Yellow	45602, 180°F, No	82091, 160°F, Red	45602, 180°F, No	82091, 160°F, Red	45602, 180°F, No	85449, 200°F, Yellow	45602, 180°F, No	
		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, No	202048, 240°F, Silver		45602, 180°F, No		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	Control Mounting Bracket Gasket	All	195664													
7	Circuit Board (DSI Ignition Ctrl)	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	UDAP/UDAS	175265, 25VA													
		All*	194808, 40 VA (*40VA transformer only applies to UDAP and UDAS when equipped with multiple heater control Option CL31)													
		UDBP/UDBS	194536, 40 VA													
10B**	Xformer w/ Opts D10/14 DDC Cntrls	UDAP/UDAS	N/A				175265, 25VA and 194808, 40VA									
		UDBP/UDBS	N/A				(2) 194536, 40 VA									
11	Stepdown Transformer	UDAP/UDAS	11100, 1/2 KVA		202056, 575/120											
		UDBP/UDBS	202056, 575/120		11100, 1/2 KVA											
12A	Fan Motor	UDAP/UDAS	196240	196241	196242	196243	196244	196245	196246	196247		196825 (Must be Fasco Rev D)				
		All	203310				203724		196824		196825 (Must be Fasco Rev D)					
		All	196826				193302		195303							
12B	Fan Mtr 115V w/Opt AL2B	UDAP45-LN	N/A	203030	N/A											
13	Fan Motor Capacitor	115V, 208V, 230V	--	--	--	--	--	--	--	--	--	--	--	195643, 7.5MFD, 400 VAC		
		115V w/AL14	--	--	--	--	195642, 5MFD	--	--	--	--	--	--	217031, 15MFD, 370 VAC		
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	197030, -40" w.c., Green		196388, -50" w.c., Orange		197030, -40" w.c., Green		201158, -1.10" w.c., Blue		201159, -1.40" w.c., Red					
		UDAP-CV***	197028, -.65" w.c., Yellow	196388, -.50" w.c., Orange	197029, -.60" w.c., Light Blue		196362, -.55" w.c., White	--	--	--	--	--	--	--	--	
		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		201159, 1.40" w.c., Red			
		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		201159, -1.40" w.c., Red	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		201159, 1.40" w.c., Red	201158, 1.10" w.c., Blue		
15	Gas Valve	Natural, 1-Stage	196980, 1/2x1/2, MH VR8205K8905 (replaces 196848, Sizes 30-75)													
		Propane, 1-Stage	196982, 1/2x1/2, MH VR8205K2965 (replaces 196850, Sizes 30-75)													
		Natural, 2-Stage	--	--	197066, 1/2x1/2, MH VR8205N2921 (replaces 196849, Sizes 60-75)		197067, 3/4x3/4, MH VR8305N4297		197065, 3/4x3/4, MH VR8305N4289							
		Propane, 2-Stage	--	--	197066, 1/2x1/2, MH VR8205N2913 (replaces 196851, Sizes 60-75)		197067, 3/4x3/4, MH VR8305N4297		197065, 3/4x3/4, MH VR8305N4289							
16	Terminal Board (24V), 4 pole	All	196813													
17	Terminal Board Gasket	All	196327													
18	Electrical Box Cover	UDAS and UDBS only	201945													
19	Door Switch	All	217262, Carling #TA22B-TLB-B													
20	Disconnect Switch	All	101902 (replaced 201946)						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													

** For location, see page 7.

***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



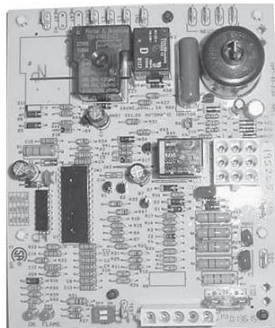
Bracket, P/N 170026
 Plate, P/N 170025

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

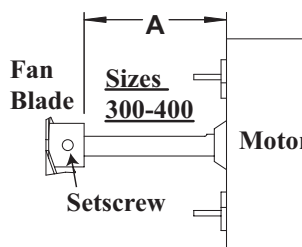
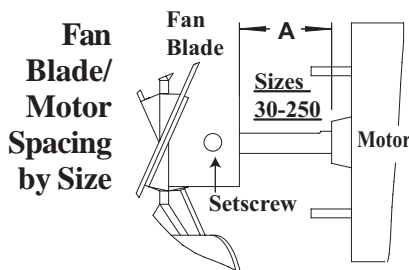


460V-120V, 1/2 KVA (500VA), P/N 11100
 575V-120V, P/N 202056
 (Stepdown transformer is not in the control compartment; it hangs on the outside of the heater cabinet.)

CODE 12 - Fan Motor



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



CODE 13 - Fan Motor Capacitor, P/N 195643, 7.5MFD, MB40075EB



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
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.



Single-Stage Gas Valve

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



Two-Stage Gas Valve

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

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	(2) 98118	Relay, Fan and Heat

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

CODE 24 - Relays

CODE 10B - Transformer (See page 5.)

CODE 22 - Bracket
CODE 23 - Gasket



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



For Model UDAP or UDAS	30	45, 60, 75, 100	125, 150, 175, 200	225, 250	300, 350, 400
Option CG2 & CG4 Pkg P/N	197150	197151	197152	197153	197154
Components:					
Transformer, Type EP, 240-480 primary/120-240V secondary	11279 1/4 KVA	11100 1/2 KVA	11217 3/4 KVA	16065 1 KVA	197085 1.5 KVA
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	16202, T&B #302				
90° Connector	1417, T&B #XC-290				
Cable Clamp, 1/2"	16227, Heyco #3328				
Sheetmetal Screws	(3) 11813, #10 x 1/2"				
Wire Nut 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 CG2 & CG4 Pkg P/N	202976	202977	202978
Components:			
Transformer, Type EP, 240-480 primary/120-240V secondary	11100, 1/2 KVA	16065, 1 KVA	202979, 2 KVA
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

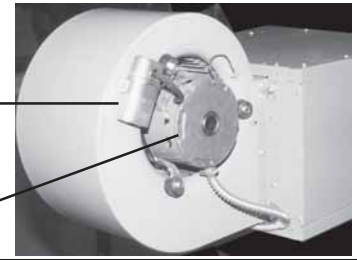
Model UDBP and UDBS Sizes 30-125

Code	Description	30	45	60	75	100	125
26	Direct Drive Motor Assembly	202731		202732		202733	
26A	Motor	201760 1/6 HP		201761 1/3 HP		201762 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 (Keys)	7328				-	-
26G	BX Cable, 3/8"	2889, 30"				174387, 43"	
26H	Anti-Short Bushing	(2) 16358					
27	Blower Motor Capacitor, 370V	101917 5MFD		101918 7.5MFD		201763 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 Model No.	Reznor P/N	Volt	ph	Service Factor	Power Factor	Efficiency	OVERLOAD				STARTER		CONTACTOR	
Type	HP	FLA								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	H200	115864	208	3	1.35	72	74.0%	1.00	1.50	RTA1-G	151187	CL00A310T-L	151150	-	-
Open	1/4	1.4	H200	115864	240	3	1.35	72	74.0%	1.00	1.50	RTA1-G	151187	CL00A310T-S	151147	-	-
Open	1/4	0.75	H200	115863	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	H260	115863	208	3	1.35			1.00	1.50	RTA1-G	151187	CL00A310T-L	151150	-	-
Open	1/3	1.6	H260	115863	240	3	1.35			1.30	1.90	RTA1-H	151188	CL00A310T-S	151147	-	-
Open	1/3	0.8	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.

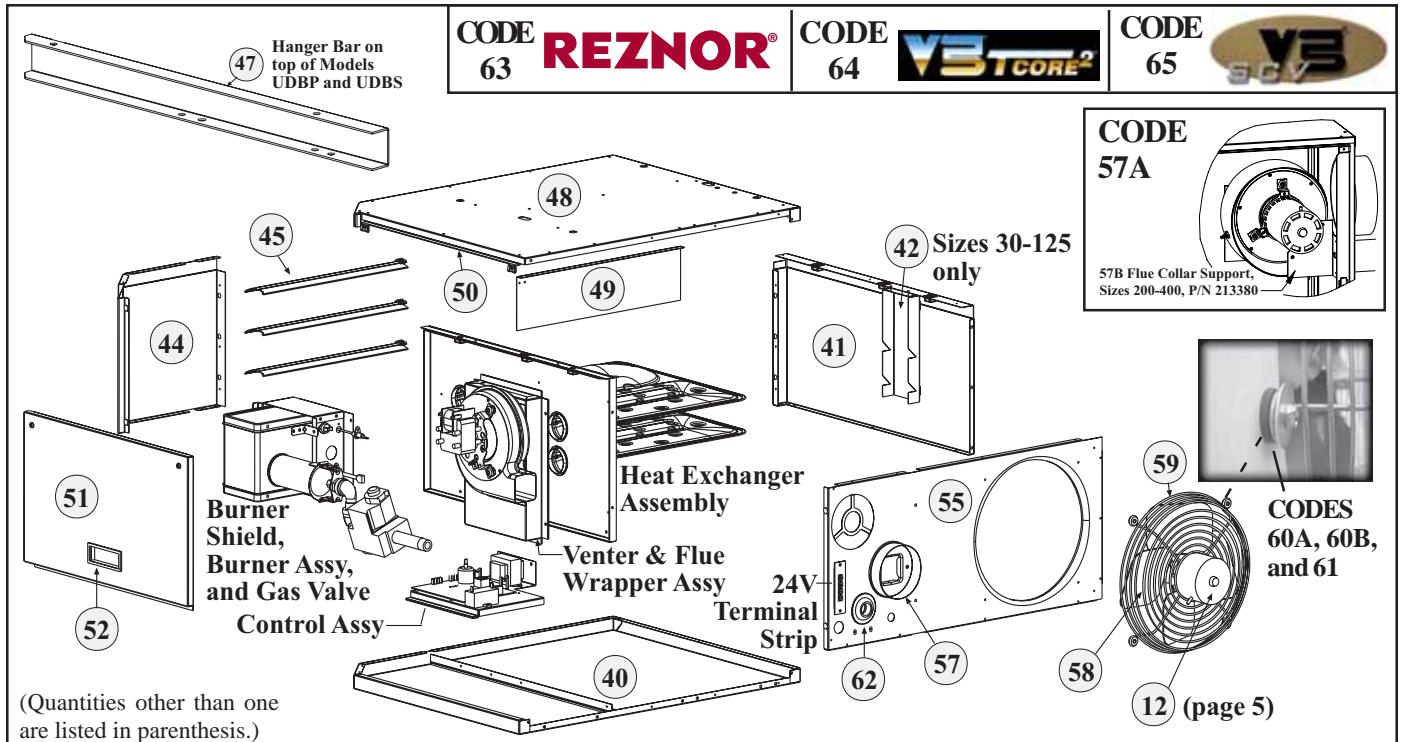
MOTOR (cont'd)			Mfr Model No.	Reznor P/N	Volt	ph	Service Factor	Power Factor	Efficiency	OVERLOAD				STARTER		CONTACTOR	
Type	HP	FLA								min	max	GE#	P/N	GE#	P/N	GE#	P/N
Open	2	24.6	327P922	202581	120	1	1			21.00	26.00	RTA1-U	151197	CL04A310M-J	151165	42AF35AF	119626
Open	2	12.3	327P922	202581	208	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-K	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	151275	42AF35AJ-24V	119625
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		Voltage Option	Drive, Option AM	Motor Pulley			Blower Pulley			Average Belt Links and Type*
	HP	Option AL			P/N	Model	Bore	P/N	Model	Bore	
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
				3, 14, 15, 16, 17, 18, 1	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		Voltage Option	Drive, Option AM	Motor Pulley			Blower Pulley			Average Belt Links and Type*
	HP	Option AL			P/N	Model	Bore	P/N	Model	Bore	
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

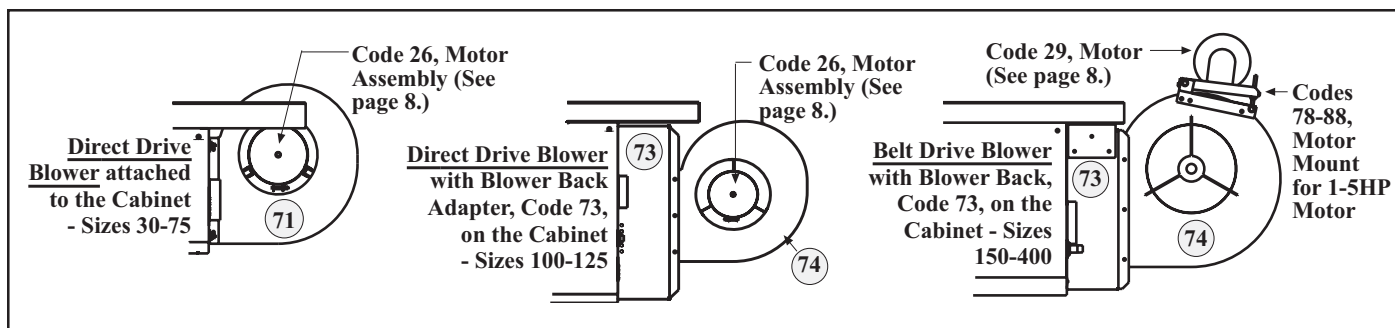


Code	Description	Model	30	45	60	75	100	125	150	175	200	225	250	300	350	400
40	Bottom Pan Assembly	All	195772						196025						196350	
41	Left Side Panel	All	195492		195493		195494		195562			195563		195564		
42	Heat Exchanger Support	All	196317	196318	196319	196320	196321	196322	The heat exchanger support and support gaskets for Sizes 150-400 are part of the replacement heat exchanger; see page 14.							
43	Ht Exchngr Support Gasket	All	(2) 195663													
44	Front Panel	UDAP/UDAS	195489*		195490*		195491*		201692			201693		201694		
		UDBP/UDPS	201755		201756		201757		201692			201693		201694		
45A	Horizontal Louver	All	(3) 195314	(4) 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	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	UDAP/UDAS	195498*						195556						195557	
		UDBP/UDPS	201406						202944						195557	
49	Top Air Baffle	UDAP/UDAS	195545	195546	195547	195548	195549	195550	--	--	--	--	--	--	--	--
		UDBP/UDPS	--	--	--	--	--	--	202945	202946	--	--	--	--	--	--
50	Top Door Seal	All	195999						196225							
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	(2) 196331						(2) 201673							
		Side	(2) 196332		(2) 196333		(2) 196334		(2) 201674			(2) 201675		(2) 201676		
55	Rear Panel	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 power vent and UDBP	195077, 4"						195079, 5"		196640, 5"			195662, 6"		
		UDAP-CV w/Opt AV6	195077, 4"				195079, 5"									
		UDAS and UDBS	195077, 4"						195079, 5"		196640, 5"			195662, 6"		
57B	Flue (Outlet) Collar Support		--	--	--	--	--	--	--	--	213380 (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, 3-24	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		175266		175267		195047		170084			170085		170086		
60A	Fan Guard Isolator Bushing	UDAP/UDAS							(4) 196349			(4) 96451				
60B	Screws for Codes 60A & 61								(4) 196330			(4) 96452				
61	Fan Guard Isolator								(4) 196348							
62	Grommet for Pipe	All							102607			15021				
63	Reznor Label	All	196690		196689		196691		196689			196691		196692		
64	V3 T-CORE Label	UDAP/ UDBP							196693							
65	SCV V3 Label	UDAS/ UDBS							201856							
66	Cabinet Touchup Paint	All							201805, 11oz spray can, white							
67	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. Form P-UD, Page 11

Cabinet Parts (cont'd)

Blower Backs and Blowers - UDBP and UDBS

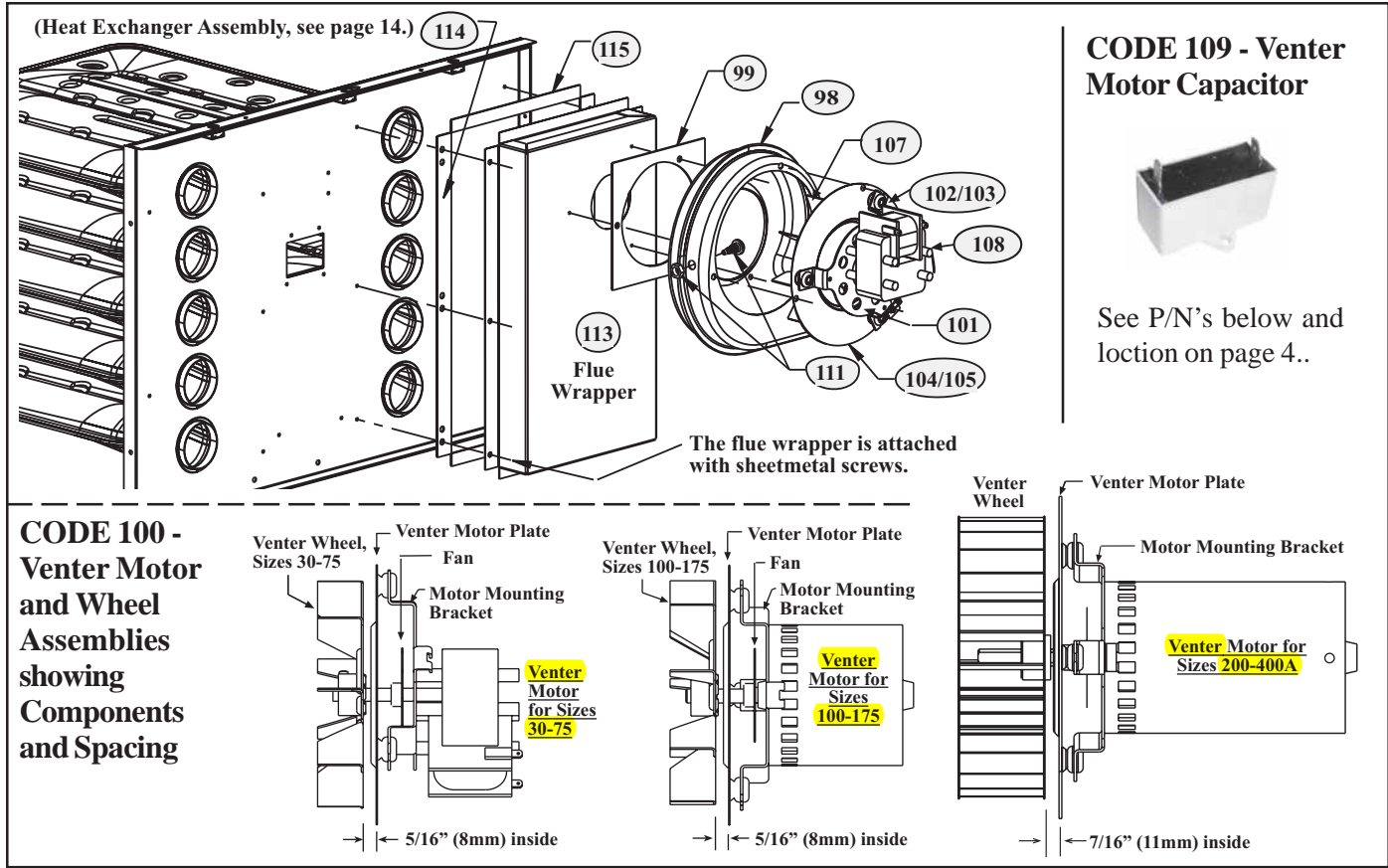


Code	Description	30	45	60	75	100	125	150	175	200	225	250	300	350	400
70	Restrictor Assembly	201408	-	-	-	-	-	-	-	-	-	-	-	-	-
70A	Restrictor	194512	-	-	-	-	-	-	-	-	-	-	-	-	-
70B	Restrictor Angle	(3) 100892	-	-	-	-	-	-	-	-	-	-	-	-	-
70C	Sheetmetal Screw	(3) 195638	-	-	-	-	-	-	-	-	-	-	-	-	-
71	Blower Assembly	201401				See Code 74.									
71A	Blower 9 X 6	82111													
71B	Blower Mounting Angle	(2) 201740													
71C	#10 x 1/2" Long Tekes	(6) 37661													
72	Blower Back Corner Post	-	-	-	-	196239	-	201797	-	201798	-	201799	-	-	-
73	Blower Adapter Back Assembly	-	-	-	-	201403	202931	201800	-	201801	-	201802	-	-	-
73A	Adapter Back Bottom	-	-	-	-	202050	-	201718	-	201719	-	201720	-	-	-
73B	Adapter Back Top	-	-	-	-	196032	-	201715	-	201716	-	201717	-	-	-
73C	Adapter Back Left Side	-	-	-	-	197253	-	201724	-	201725	-	201726	-	-	-
73D	Adapter Back Right Side	-	-	-	-	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	-	-	-	-	-	-	-	-	-
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		-	-	-	-
75	Key, 1/4" square x 1-1/4" long	-	-	-	-	-	-	16099	-	-	-	-	-	-	-

Blower Motor Mounting Components

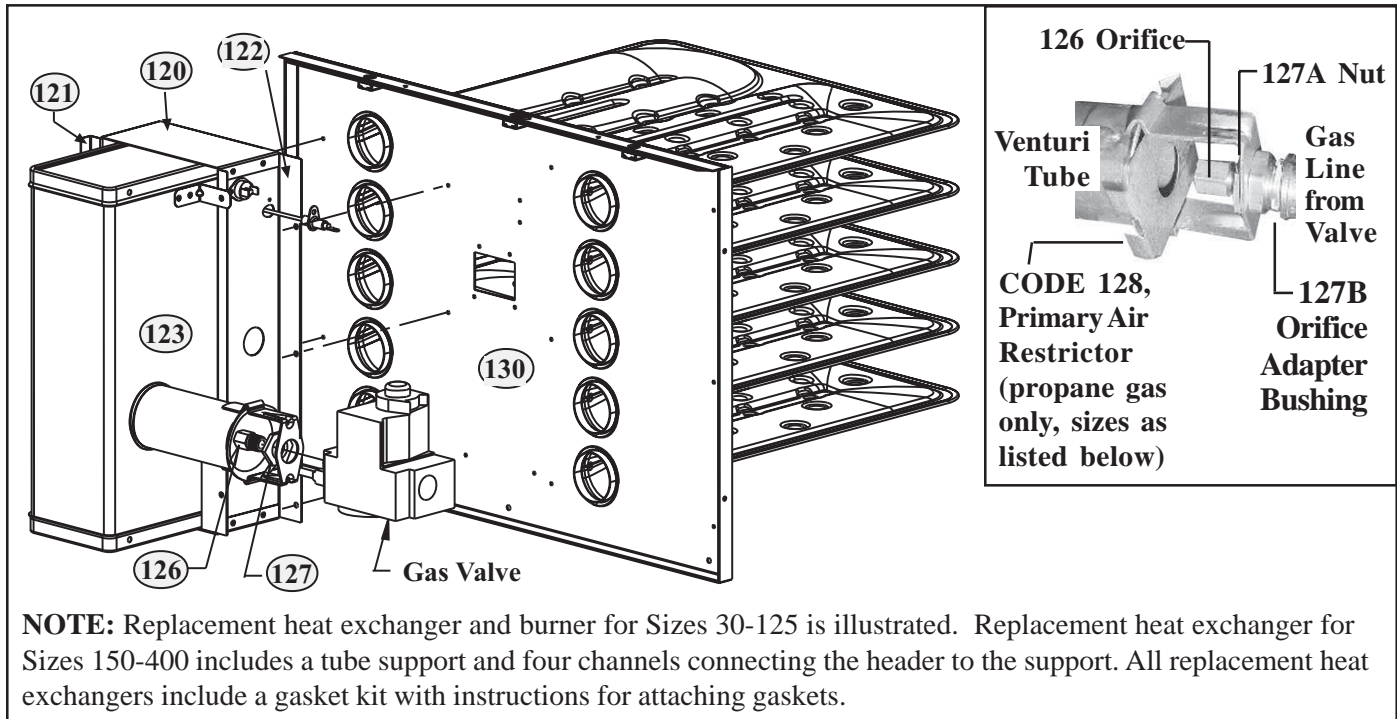
Motor Mounting 1/4 - 3/4 HP Motor	150-250	Motor Mounting 1-5 HP Motor	175-200	225-250	300-400		
76	Motor Adjustment Bracket Assembly	193996	78	Motor Mounting Plate for 1HP - 5HP	202839	202840	202841
76A	Motor Adjustment Bracket	12575	79	Motor Mounting Plate Left Support	12576		
76B	5/16-18 Spotweld Nut	(2) 16233	80	Motor Mounting Plate Right Support	12577		
76C	Hex Head Motor Adjustment Bolt, 5/16-18 x 4" long	(2) 14668	81	Rod Bolt 5/16-18	(2) 12489		
76D	5/16-18 Hex Nut	(2) 1035	82	Hex Nut 5/16-18	(2) 1035		
76E	1/4-20 x 3/4" long Hex Head Cap Screw	(2) 16246	83	Hex Nut 5/16-18 (Keps)	(6) 6554		
76F	1/4-20 Hex Nut (Kep)	(2) 10650	84	Flat Washer 5/16"	(8) 1087		
76G	1/4" Flat Washer	(4) 1320	85	5/16-18 x 3/4" long Hex Head Cap Screw	(6) 16247		
77	Hardware Bag for CODE 76	64940	86	5/16-18 x 1-1/2" long Hex Head Cap Screw	(2) 16248		
			87	5/16"-18 Threaded Insert #ATS2-518	(4) 124260		
			88	#10-16 x 1/2" long Tekes	(4) 37661		

Venter and Flue Wrapper Components



Code	Description	Model	30	45	60	75	100	125	150	175	200	225	250	300	350	400	
98	Venter Housing	All	196248									195634					
99	Venter Housing Gasket	All	196012									196013					
100	Venter Motor and Wheel Assy	115V All (not w/AV6)	220779			220780			220782		220784		220786				
	NOTE: 460V & 575V supply use 115V vnt motor.	UDAP/UDAS	220781			220783		220785		220787							
		UDBP/UDBS	N/A			220783		220785		220787							
NOTE: CODE 100 includes Codes 101 - 107, 108A, and 110																	
101	Venter Motor Bracket	All	195072														
102	Venter Motor Isolator	All	(3) 194534														
103A	Venter Motor Isolator Bushing	All	(3) 194803														
103B	Venter Motor Isolator Bushing Screw	All	(3) 113275														
104	Venter Motor Plate	All	194806									194910					
105	Venter Motor Plate Gasket	All	201472														
106A	Venter Motor Clip	All	194805 (208/230V only)			194805			(3) 194805								
106B	Venter Motor Clip Screw	All	92851 (208/230V only)			92851			(3) 92851								
107	Venter Wheel	All Models except UDAP-CV	195036									195666					
		UDAP-CV w/AV6 (common vent)	211819														
108A	Venter Motor only	115V All	175273			208034			196036		208194 (replaces 196037)		196236				
	NOTE: 460V and 575V supply use 115V venter motor.	UDAP	217032			208034											
		UDAP/UDAS	196827			196828		196828		196829		196830					
		UDBP/UDBS	N/A			196828		196828		196829		196830					
108B	Vnt Mtr w/Opt D10&14 DDC Cntrl	115V UDAP/UDAS	N/A			207992 196036		208194 196037		196236 207892		196830					
		208/230V/1ph	N/A			196828		196829		196830							
109A	Vnt Mtr 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.	UDAP/UDAS	--	--	--	--	--	--	195641, 4MFD, 400 VAC, #MB40040EB		195642, 5MFD, 400VAC, #MB40050EB		195641, 4MFD, 400 VAC, #MB40040EB				
		UDBP/UDBS	N/A			195642 195641		195643		195642		195641					
109B	Vnt Mtr Capacitor w/Opt D10&14 DDC	115V UDAP/UDAS	N/A			195642 195641		195643		195642		195641					
		208/230V/1ph	N/A			195642 195641		195643		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	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	
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														

Heat Exchanger and Burner Assemblies





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	
120	Burner Shield Top/Btm	All	(2) 195500						(2) 195501						(2) 195500		
121	Burner Shield Front Side	UDAP/UDAS	195512	195513	195514	195515	195516	195517	195515	195518	195516	195517	195519	195520	195521		
		UDBP/UDBS	195512	195513	195514	202726	195516	195517	195515	195518	195516	195517	195519	195520	195521		
122	Burner Shield Rear Side	UDAP/UDAS	195502	195503	195504	195505	195506	195507	195774	195508	195775	195776	195509	195510	195511		
		UDBP/UDBS	201434	201435	201436	201437	201438	201439	195774	195508	195775	195776	195509	195510	195511		
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) 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	196853 #37	196838 #30	196839 3.7MM	196855 #19	120158 #10	196840 #4	131581 5.9MM	196891 E	196892 6.8MM	196893 7.2MM	208255 L	196895 21/64	196896 9.0MM	196897 9.6MM	
		Propane Gas	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 Gas only	UDAP/UDAS	196687			196688		--	196688	--	--	--	--	--	--	--
		Gas only	UDBP/UDBS	203078			202051		196688		--	--	--	--	--	--	--
129	Gas Conversion Kits	Natural to Propane	UDAP/UDAS	201727			201728		202938		201730		201731			201732	
		Propane to Natural	UDBP/UDBS	202936			202937		201735		201736		201737			201738	
		All	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	
		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

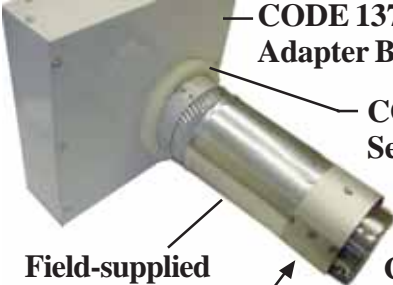


CODES 135A and 136A - Concentric Adapter Box Assembly	<u>View of Heater Connection Side</u>  <p>Collar for attaching the combustion air pipe from the heater</p> <p>Opening for the vent pipe. The vent pipe extends from the terminal, through the outside air pipe, through the box, and connects to the vent run.</p>	<u>View of Vent Terminal Connection Side</u>  <p>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)</p>
--	--	--

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) 
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CODE 135 - Vertical Vent Terminal/Combustion Air Package (Same as Option CC2) includes: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Code</th> <th>Qty</th> <th>Size</th> <th>P/N</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td rowspan="2">135</td> <td rowspan="2">1</td> <td>30-125</td> <td>205895</td> <td rowspan="2">Complete Vertical Vent Kit (Same as Option CC2)</td> </tr> <tr> <td>150-400</td> <td>205896</td> </tr> <tr> <td rowspan="2">135A</td> <td rowspan="2">1</td> <td>30-125</td> <td>205884</td> <td rowspan="2">Concentric Adapter Box Assembly</td> </tr> <tr> <td>150-400</td> <td>205885</td> </tr> <tr> <td rowspan="2">135B</td> <td rowspan="2">1</td> <td>30-125</td> <td>155631</td> <td rowspan="2">Exhaust (Vent) Terminal</td> </tr> <tr> <td>150-400</td> <td>53326</td> </tr> <tr> <td rowspan="2">135C</td> <td rowspan="2">1</td> <td>30-125</td> <td>155635</td> <td rowspan="2">Combustion Air Inlet</td> </tr> <tr> <td>150-400</td> <td>53330</td> </tr> <tr> <td>136D</td> <td>2</td> <td>30-400</td> <td>207232</td> <td>Concentric Adapter Box Bracket</td> </tr> <tr> <td>135E</td> <td>1</td> <td>30-400</td> <td>53335</td> <td>Tube of High Temperature (450°F) Silicone Sealant</td> </tr> </tbody> </table>	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: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Code</th> <th>Qty</th> <th>Size</th> <th>P/N</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td rowspan="2">136</td> <td rowspan="2">1</td> <td>30-125</td> <td>211762</td> <td rowspan="2">Complete Horizontal Vent Kit (Same as Option CC6) (as of 11/2005)</td> </tr> <tr> <td>150-400</td> <td>211763</td> </tr> <tr> <td rowspan="2">136A</td> <td rowspan="2">1</td> <td>30-125</td> <td>211789</td> <td rowspan="2">Concentric Adapter Box Assembly</td> </tr> <tr> <td>150-400</td> <td>211790</td> </tr> <tr> <td rowspan="2">136B</td> <td rowspan="2">1</td> <td>30-125</td> <td>211791</td> <td rowspan="2">Exhaust Grill</td> </tr> <tr> <td>150-400</td> <td>211792</td> </tr> <tr> <td rowspan="2">136C</td> <td rowspan="2">1</td> <td>30-125</td> <td>151755</td> <td rowspan="2">Inlet Guard</td> </tr> <tr> <td>150-400</td> <td>124940</td> </tr> <tr> <td>136D</td> <td>8</td> <td>30-400</td> <td>37661</td> <td>#10-16 x 1/2" lg Screws to attach guard & grill</td> </tr> <tr> <td>136E</td> <td>2</td> <td>30-400</td> <td>207232</td> <td>Concentric Adapter Box Bracket</td> </tr> <tr> <td>136F</td> <td>1</td> <td>30-400</td> <td>53335</td> <td>Tube of High Temperature (450°F) Silicone Sealant</td> </tr> </tbody> </table>	Code	Qty	Size	P/N	Description	136	1	30-125	211762	Complete Horizontal Vent Kit (Same as Option CC6) (as of 11/2005)	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
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Replacement Parts for Horizontal Vent Terminal/Combustion Air Package (Option CC6) prior to 11/2005	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Code</th> <th>Qty</th> <th>Size</th> <th>P/N</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td rowspan="2">136G</td> <td rowspan="2">1</td> <td>30-125</td> <td>205884</td> <td rowspan="2">Concentric Adapter Box Assembly</td> </tr> <tr> <td>150-400</td> <td>205885</td> </tr> <tr> <td rowspan="2">136H</td> <td rowspan="2">1</td> <td>30-125</td> <td>155096</td> <td rowspan="2">Screened Exhaust Assembly</td> </tr> <tr> <td>150-400</td> <td>53316</td> </tr> <tr> <td rowspan="2">136J</td> <td rowspan="2">1</td> <td>30-125</td> <td>151755</td> <td rowspan="2">Inlet Guard</td> </tr> <tr> <td>150-400</td> <td>124940</td> </tr> <tr> <td>136K</td> <td>2</td> <td>30-400</td> <td>217232</td> <td>Concentric Adapter Box Bracket</td> </tr> </tbody> </table>	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	217232	Concentric Adapter Box Bracket	CODE 136H - Screened Exhaust Assembly (Horizontal Kit) 
Code	Qty	Size	P/N	Description																													
136G	1	30-125	205884	Concentric Adapter Box Assembly																													
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136J	1	30-125	151755	Inlet Guard																													
		150-400	124940																														
136K	2	30-400	217232	Concentric Adapter Box Bracket																													

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) <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CODE</th> <th>P/N</th> <th>Qty</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>137A</td> <td>208994</td> <td>1</td> <td>Assembled Vent/Combustion Air Terminal</td> </tr> <tr> <td>137B</td> <td>209320</td> <td>1</td> <td>Concentric Adapter Box</td> </tr> <tr> <td>137C</td> <td>209337</td> <td>2</td> <td>Mounting Brackets</td> </tr> <tr> <td>137D</td> <td>195638</td> <td>6</td> <td>Sheetmetal Screws #8-18 X 3/8</td> </tr> <tr> <td>137E</td> <td>209338</td> <td>1</td> <td>Sealing Gasket</td> </tr> <tr> <td>137F</td> <td>53335</td> <td>1</td> <td>Clear Sealant, #732, 3 oz tube</td> </tr> </tbody> </table>	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	 <p>CODE 137B - Concentric Adapter Box</p> <p>CODE 137E - Sealing Gasket</p> <p>CODE 137A - Terminal</p> <p>Field-supplied Concentric Pipes</p>
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																										
<p>*Example of a Finished Vinyl Siding Installation</p> 	<p>*Example of a Finished Brick Wall Installation</p> 																												
<p>*Field-supplied parts required.</p>																													

Accessories/Options

CODE 140 - 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"		--	--	--	--	--	--	--	--	--	--

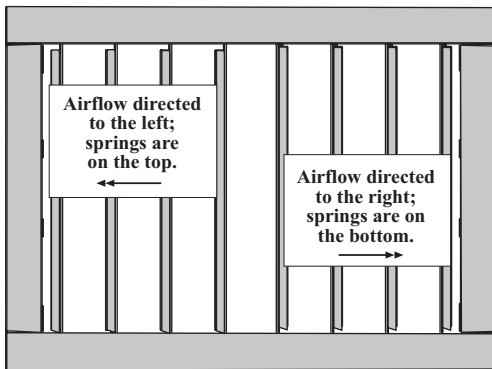
CODE 141 - High Altitude Pressure Switch Kit - Above 6000 ft/1830M Elevation (Same as Option DJ20, DJ21) - Models UDAP, UDAS, UDBP, UDBS as listed

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
	Pkg P/N	197117			197118			197117			201162			201163	
	High Altitude Switch P/N	197031			197032			197031			201160			201161	
	Negative Pressure OFF Setpoint "w.c.	0.35			0.45			0.35			1.05			1.30	
	Label color	Purple			Pink			Purple			Brown			White	
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
	Pkg P/N	197119				197121	197205	197117		201162			201163		
	High Altitude Switch P/N	197029				196388	197030	197031		201160			201161		
	Differential Pressure OFF Setpoint "w.c.	0.60				0.50	0.40	0.35		1.05			1.30		
	Label color	Lt. Blue				Orange	Green	Purple		Brown			White		
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
	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			1.05			1.30	1.05
	Label color	Purple			Pink			Purple			Brown			White	Brown
Option DJ20 for Model UDBS Separated Combustion Blower-Type High Static Unit Heater	Model UDBS	30	45	60	75	100	125	150	175	200	225	250	300	350	400
	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		1.05			1.30	1.05	
	Label color	Purple	Pink	White	Pink	Purple	Green	Purple		Brown			White	Brown	

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



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
<i>Components</i>						
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

Install and adjust vertical louvers to achieve desired airflow pattern.

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

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 Models UDBP and UDBS only)

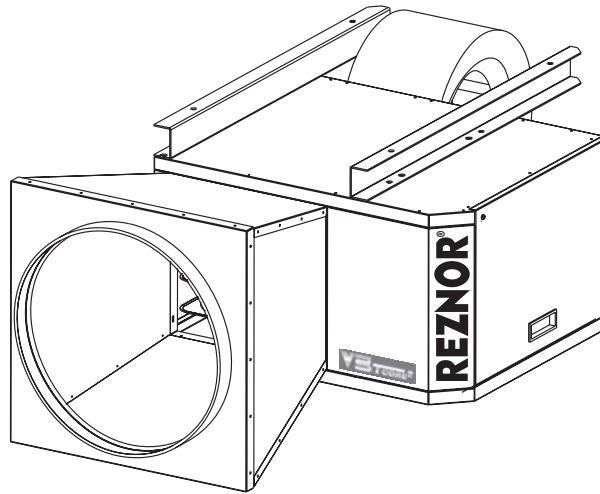
Size	30, 45	60, 75	100, 125	150, 175, 200	225, 250	300, 350, 400
Option CD2 Pkg P/N	197103	197104	197105	201202	201203	201204
Nozzle Section Right Side	(1) 196990	(1) 196991	(1) 196992	(1) 197173	(1) 197174	(1) 197175
Nozzle Section Left Side	(1) 196993	(1) 196994	(1) 196995	(1) 197176	(1) 197177	(1) 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					

Accessories/Options (cont'd)

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		

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

Thermostats and Thermostat Accessories

<p>CODE 150A, Single-Stage Thermostat, W/R 1C30-341, 24 volt, 40-80°F, P/N 91919 (Same as Option CL1)</p> 	<p>CODE 151, Single-Stage Thermostat, W/R 1C30-341, 24 volt, 40-80°F, and Heating Subbase w/ Fan Switch, WR S23-6, P/N 194236 (Same as Option CL2)</p> 	<p>CODE 152, Single-Stage Thermostat, M/H T87K10075, 24V, 40-90°F, P/N220631 (Same as Option CL3) (replaces P/N 39581)</p> 
<p>CODE 150B, Single-Stage Thermostat, M/H T822D2717, 24 volt, P/N 221039 (Available summer 2007; check with your distributor.) (Alternate for Option CL1 & CL2)</p> 		

<p>CODE 153, Electronic Two-Stage Thermostat, M/H TH5220D1029, 24 volt, 2-stage heating/2-stage cooling, P/N 220630 (Same as Option CL7) (replaces P/N 93435)</p> 	<p>CODE 154, Electronic Two-Stage Thermostat, M/H TH5220D1029, 24 volt, 2-stg heating/2-stg cooling, w/fan and system switches, P/N 220630 (Same as thermostat in Option CL18) (replaces P/N 93436)</p> 
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CODE 155, Locking Cover for Single Stage Thermostat Option CL1 or CL2, P/N 91926
(Same as Option CM1)



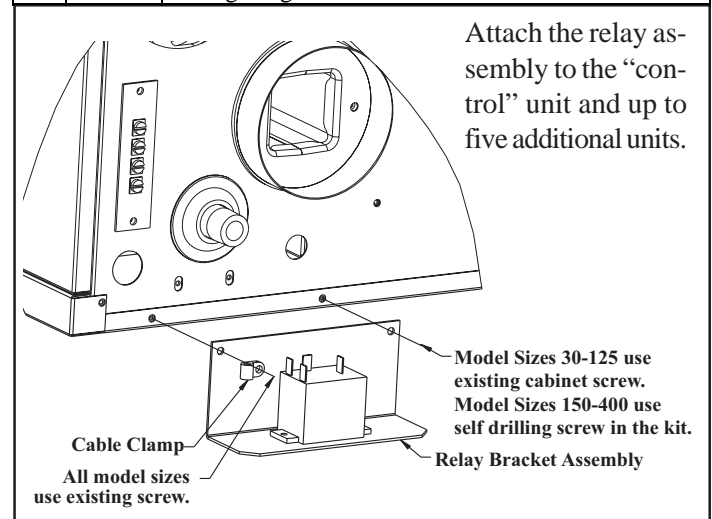
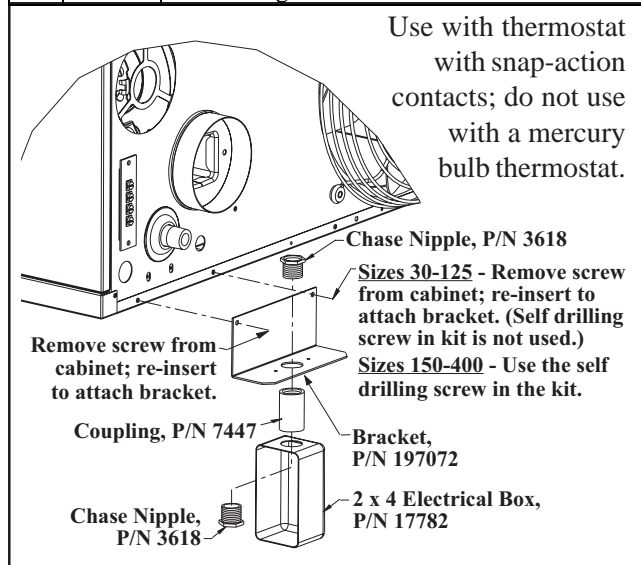
CODE 157, Kits for Control of 2-6 Heaters

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

CODE 156, Unit-Mounted Thermostat Bracket Kit

Pkg P/N 197077 (Same as Option CM3)		
Qty	P/N	Description
1	17782	2x4 Electrical Box
1	7447	1/2" Coupling Conduit Connector
2	3618	1/2" Chase Nipple
1	197072	Bracket
1	195249	Self Drilling Screw

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



Accessories/Options (cont'd)

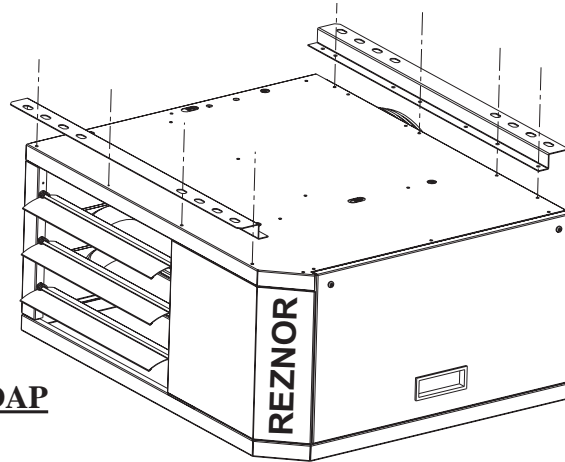
CODE 159 - Hanger Kits (Same as Options CK8 and CK10)

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

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

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



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

CODE 161 - 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"

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