

REPLACEMENT PARTS FOR GAS-FIRED UNIT HEATERS

MODELS UBX, UBZ, UDX, AND UDZ



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IMPORTANT

- Always include complete model and serial number so that any specification change can be considered for parts replacement. It can save time and expense.
- In keeping with our policy of continuous product improvement, we reserve the right to alter any information shown here.
- Order by Part Number (PN) not by option designation.

WE RESERVE THE RIGHT TO SUBSTITUTE FUNCTIONAL REPLACEMENTS.

SERIAL NUMBER

NOTE: The serial number is located on the unit's rating plate.

Decode serial numbers as follows:

Serial number sample: BOG 3062 00000
 Elements key number: 1 | 2 | 3

Key:

- 1 = Date code (refer to [Table 1](#))
- 2 = Plant of manufacture (3062 = Monterrey)
- 3 = Consecutive number

Table 1. Serial Number Date Codes (Month and Year)

Year	Month											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2021	BUA	BUB	BUC	BUD	BUE	BUF	BUG	BUH	BUI	BUJ	BUK	BUL
2022	BVA	BVB	BVC	BVD	BVE	BVF	BVG	BVH	BVI	BVJ	BVK	BVL
2023	BWA	BWB	BWC	BWD	BWE	BWF	BWG	BWH	BWI	BWJ	BWK	BWL
2024	BXA	BXB	BXC	BXD	BXE	BXF	BXG	BXH	BXI	BXJ	BXK	BXL

MODEL CONFIGURATION

Table 2. Model Configuration

Model	Configuration	Model	Configuration
UBX	Standard power-vent blower-type	UBZ	Separated-combustion blower-type
UDX	Standard power-vent fan-type	UDZ	Separated-combustion fan-type

ELECTRICAL COMPONENTS

NOTES:

- To connect supply wires and access the disconnect switch (item 20), remove the cover (item 18) from the electrical box.
- The color listed for the flame rollout switch (item 4) is the color of the identifying dot on the label.
- The control module fuses (item 7A) may be replaced with field-supplied type ATC or ATO 3-amp fuse (color code: violet).

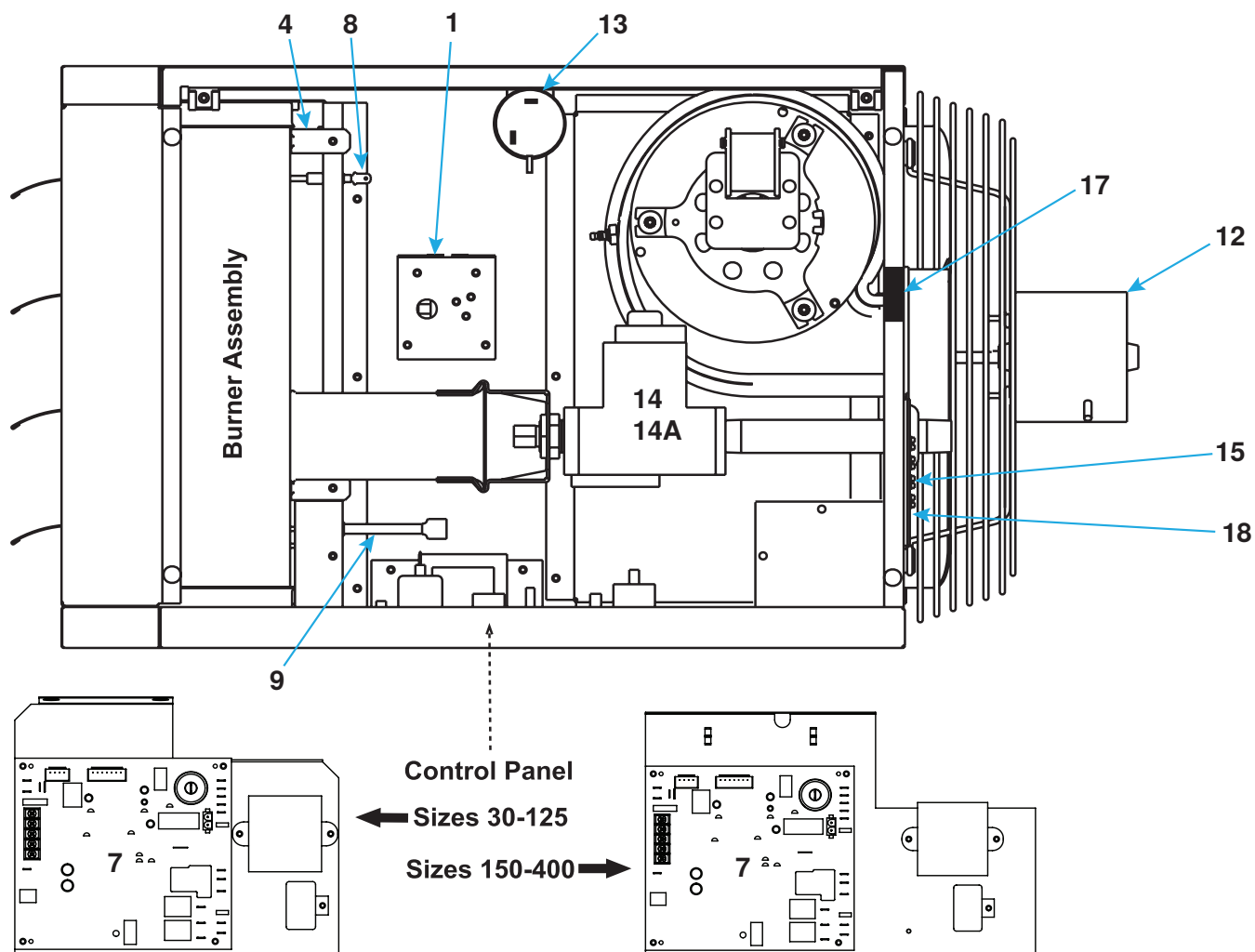


Figure 1. Typical Control Compartment (Refer to [Table 3](#) and [Table 4](#))

ELECTRICAL COMPONENTS—CONTINUED

Table 3. Electrical Components (Unit Sizes 30–125)

Table 3. Electrical Components (Unit Sizes 30–125)									
Item No.	Component	Description	Model	Unit Size (MBTUh)					
				30	45	60	75	100	125
				PN					
1	Limit control	High temperature, auto reset*	UBX, UBZ	96512	201961	82091	85449	96512	201961
			UDX, UDZ	96512	85449	45602		45602	85449
2	Plate	Limit control	All	170025		170025		170025	
3	Bracket	Limit control	UBX, UBZ	201771		201771		201771	
			UDX, UDZ	170026		170026		170026	
4	Flame rollout switch, manual reset	210°F/–31°F, violet	UDX, UDZ	197033	—	—		—	
		225°F/–31°F, red		—	196949	196949		—	
		250°F/–31°F, yellow		—		—		196950	
5	Bracket	Control mounting	All	195551		195551		195551	
6	Gasket	Control mounting bracket		1033963		1033963		1033963	
7	Circuit board	DSI control module	All	1033741		1033741		1033741	
7A	Fuse	Circuit board	All	201685		201685		201685	
8	Sensor	Flame		195292		195292		195292	
9	Ignitor	Electrode assembly		175272		175272		175272	
10	Transformer	25VA, 115V	UDX, UDZ	175265		175265		175265	
		40 VA, 115V (option CL31)		194808		194808		194808	
		40 VA, 208–230V/1PH (option CL31)		194536		194536		194536	
11	Transformer	Stepdown	All	Refer to Table 28					
12	Motor	Fan	UDX, UDZ	Refer to Table 5					
13	Pressure switch	0–6000 feet	UBX	1034349	1034477	196388	197030	197030	
			UBZ		197031	197029	196388	197030	197032
			UDX		197030	197031	197032	196388	1034237
			UDZ	197028	197078				
		>6000 feet	UBX	1034477	1034349	197030	197032	197028	
			UBZ	1034477					1034349
			UDX	1034349					197031
			UDZ	197031					
14	Gas valve, single-stage, 1/2 × 1/2	Natural gas, MH #VR8215T1239	All	260603		260603		260603	
	Propane, MH #VR8215T5214	263999			263999		263999		
14A	Gas valve, two-stage, 1/2 × 1/2	Natural gas, MH #VR8205N2921		—		197066		197066	
	Propane, MH #VR8205N2913	—			197064		197064		
15	Terminal board	24V, 5-pole	UDZ, UBZ	196813		196813		196813	
16	Gasket	Terminal board		196327		196327		196327	
17	Switch	Door, interlock, Carling #TA22B-TLB-B		217262		217262		217262	
18		Disconnect		101902		101902		101902	
19	Harness	Wiring, 9-pin	All	1033745		1033746		1033747	
20	LED indicator	Status, green		1034436 or 1042711*					
*PN 1042711 may require modification of the unit's bottom pan (drill opening for LED to 5/16 inch).									

*PN 1042711 may require modification of the unit's bottom pan (drill opening for LED to 5/16 inch).

Table 4. Electrical Components (Unit Sizes 150–400)

Item No.	Component	Description	Model	Unit Size (MBTUh)							
				150	175	200	225	250	300	350	400
				PN							
1	Limit control	High temperature, auto reset*	UBX	82091	202048	201961	82091	82091	201962	202048	85449
			UBZ			202048					
			UDX	45602	82091	45602		45602	100799	100799	82091
			UDZ					82091			
2	Plate	Limit control	All	170025		170025		170025		170025	
3	Bracket	Limit control	UBX, UBZ	170026	201771	201771	170026	170026	202701	202701	
			UDX, UDZ	170026		170026		170026		170026	
4	Not used										
5	Bracket	Control mounting	UBX, UDX	1033964		1033964		1033964		1033964	
			UBZ	195294		195294		195294		195294	
			UDZ	195294		195294		195294		195294	
6	Gasket	Control mounting bracket	All	195669		195669		195669		195669	
7	Circuit board	DSI control module	All	1033741		1033741		1033741		1033741	
7A	Fuse	Circuit board	All	201685		201685		201685		201685	
8	Sensor	Flame		195292		195292		195292		195292	
9	Ignitor	Electrode assembly		175272		175272		175272		175272	
10	Transformer	25VA, 115V	UDX, UDZ	175265		175265		175265		175265	
		40VA, 115V (option CL31)		194808		194808		194808			
		40VA, 208–230V/1PH	All	194536		194536		194536		194536	
		40VA, 208–230V/3PH	UBX, UBZ	194536		194536		194536		194536	
11	Stepdown transformer	Located on outside of heater cabinet	Refer to Stepdown Transformer Kits (Options CG1, CG4, and CG5) section								
		350VA, 208–230V*									
12	Fan motor	Refer to FAN AND MOTOR ASSEMBLY COMPONENTS (MODELS UDX AND UDZ) section									
13	Pressure switch	0–6000 feet	UBX	197031	197030	201158	201158		201158	273553	201161
			UBZ	197030						201161	
			UDX	197031	197030		201158		201158		
			UDZ				201158	201161	273360	201161	
		>6000 feet	UBX, UDX	1034349	197031	201160		201160		201160	
			UBZ					201160		273555	273553
			UDZ					201160	273553		
14	Gas valve, single-stage, 1/2 × 1/2	Natural gas, MH #VR8215T1239	All	260603		260603	—	—		—	
		Propane, MH #VR8215T5214		263999		263999	—	—		—	
	Gas valve, single-stage, 3/4 × 3/4	Natural gas, MH #VR8305K4241		—		—	196981	196981		196981	
		Propane, MH #VR8305K4258		—		—	196983	196983		196983	
14A	Gas valve, two-stage, 1/2 × 1/2	Natural gas, MH #VR8205N2921		197066		197066	—	—		—	
		Propane, MH #VR8205N2913		197064		197064	—	—		—	
	Gas valve, two-stage, 3/4 × 3/4	Natural gas, MH #VR8305N4297		—		—	197067	197067		197067	
		Propane, MH #VR8305N4289		—		—	197065	197065		197065	
15	Terminal board	24V, 5-pole	UBZ, UDZ	196813		196813		196813		196813	
16	Gasket	Terminal board		196327		196327		196327		196327	
17	Switch	Door, interlock, Carling #TA22B-TLB-B		217262		217262		217262		217262	
18		Disconnect		101902		101902		101902		101902	
19	Harness	Wiring, 9-pin	All	1033748		1033748	1033749	1033749	1033750	1033750	
20	LED indicator	Status, green		1034436							

*For 230V units only—used to power the control board and inducer motor.

ELECTRICAL COMPONENTS—CONTINUED

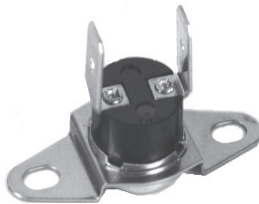
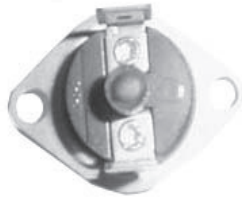
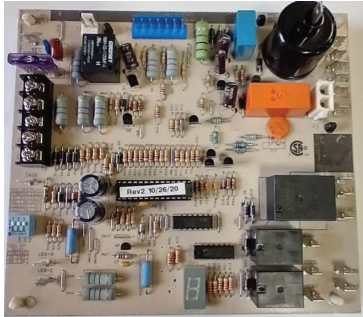
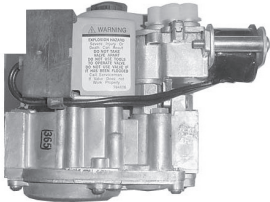
Item 1: High Temperature Limit Control, Auto Reset Item 2: Bracket Item 3: Plate 		Item 4: Flame Rollout Switch, Manual Reset 	
Item 7: Circuit Board 	Item 8: Flame Sensor 	Item 10: Transformer 	
	Item 9: Ignitor 	Item 11: Stepdown Transformer   350VA	
Item 12: Fan Motor 		Item 13: Fan Motor Capacitor 	
Item 14: Pressure Switch 	Item 15: Gas Valve  Single-Stage   Two-Stage		
Item 19: Interlock Door Switch 	Item 20: Disconnect Switch 		

Figure 2. Individual Electrical Components (See Locations in [Figure 1](#))

FAN AND MOTOR ASSEMBLY COMPONENTS (MODELS UDX AND UDX)

Table 5. Fan and Motor Assembly Components														
Component	Description	Unit Size (MBTUh)												
		30	45	60	75	100	125	150, 175	200	225	250	300	350	400
		PN/Specification												
Blade	Fan	195644	195645	195646	195647	195648	195649	195679	195680	195681	195682	195683	104743R	209121
Fan guard	Standard	175266		175267		195047		170084		170085		170086		
	Option AZ8	260873		260874		260875		—						
Bushing	Fan guard (quantity 4)	196349						96451						
Isolator		196348												
Clip		54633												
Screw		Sheet metal, #10-16 × 3/4, AB hex head, zinc-plated (torque to 30 inch-pounds)						Sheet metal, 1/4-14 × 1-1/4, B hex head, zinc-plated (torque to 30 inch-pounds)						
Fan motor	115V, open	196240	196241	196241	196242	196243	196244	271461				196247		
	115V, TEFC*	203310				203724		196824				1047162		
Flat washer	Fan motor (quantity 4)	3/4 OD × 3/16 ID × 1/8 thick, steel												
Locknut		#8-32, grade 5, zinc-plated with nylon insert												
Capacitor, fan motor	115V, 7.5μF*	—						195643				—		
	115V, 10μF							207448						
	115V, 15μF*							—				217031		
*Option AL14.														
NOTE: Hardware listed without a PN is field-supplied.														

Table 6. Fan and Motor Assembly Specifications												
Wire Fan Guard Type (Spacing)	Setscrew Torque (Inch-Pounds ±10)											
	80				120		130					
	Unit Size (MBTUh)											
	30	45	60	75	100	125	150	175	200	225, 250, 300	350	400
	Dimension A (Inches (mm))*											
Standard (0.5-inch (13-mm))	1 (25)	9/16 (14)	1-1/2 (38)	2-1/8 (54)	2-3/8 (60)	2-5/16 (59)	2-3/8 (60)	2-1/8 (54)	1-5/8 (41)	2 (51)	1-7/8 (48)	1-3/8 (35)
Fingerproof, option AZ8 (0.334-inch (8.5-mm))		1-1/16 (27)	1-3/4 (44)	1-1/2 (38)		2-1/8 (54)	—					
*See Figure 3 .												

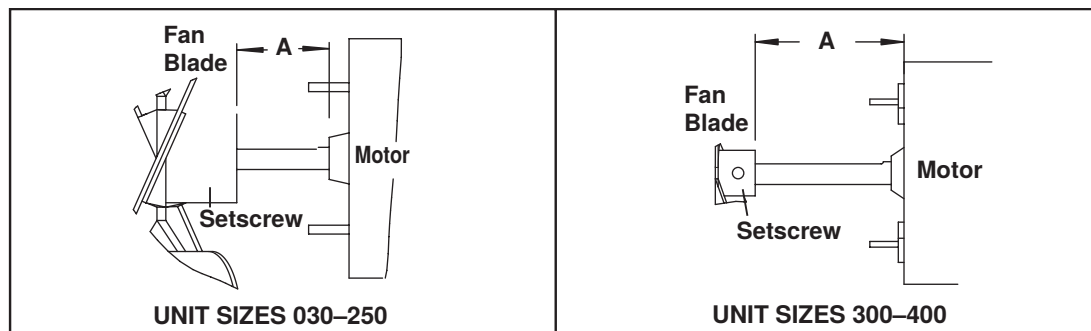


Figure 3. Fan Spacing

BLOWER COMPONENTS (MODELS UBX AND UBZ)

NOTES:

- Model UBX and UBZ size 400 units manufactured *before* MAY 2022 require the field-installation of a baffle kit (PN 1041295). Refer to the kit installation manual provided with the kit for components and installation instructions.
- Motors that don't list a contactor in [Table 8](#) or [Table 9](#) require a starter. If a contactor is listed, the starter is optional.

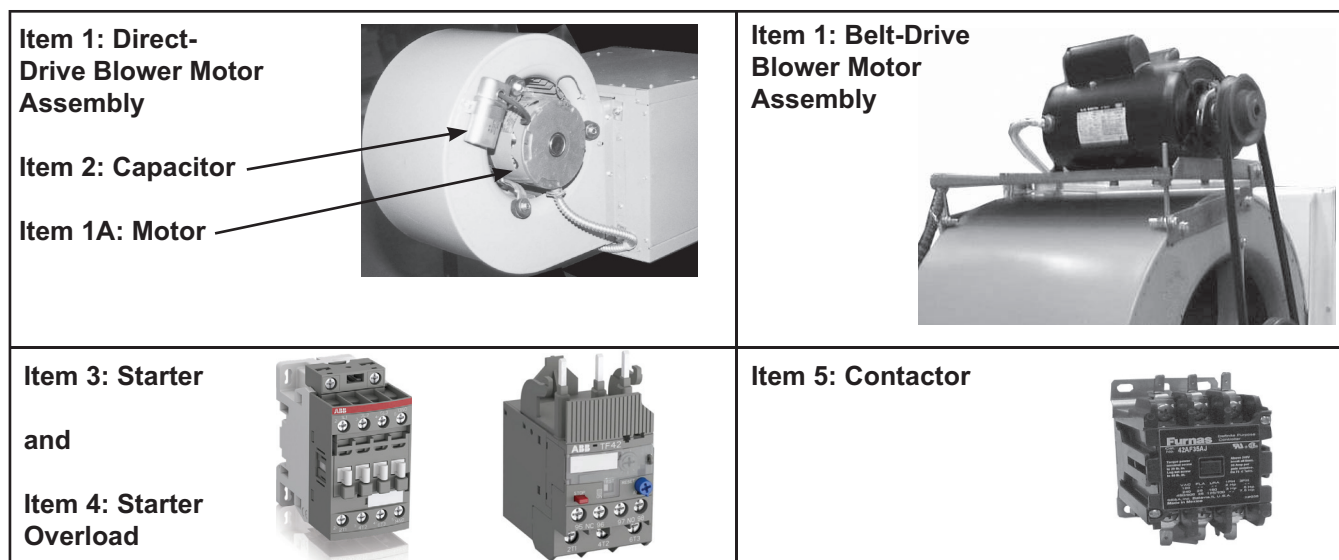


Figure 4. Individual Blower Components (Refer to [Table 7](#), [Table 8](#), and [Table 9](#))

Table 7. Direct-Drive Blower Motor Assembly Components (Unit Sizes 30–125)								
Item No.	Component	Description	Unit Size (MBTUh)					
			30	45	60	75	100	125
			PN (Quantity)*					
1	Motor assembly	Direct-drive	202731		202732		202733	
1A	Motor, direct-drive	1/6-HP	201760		—			
		1/3-HP	—		201761		—	
		3/4-HP	—			201762		
1B	Motor band		51221					
1C	Support arm		51223 (3)				220629 (3)	
1D	Capscrew, hex head	1/4-20 × 1-1/2 long	51231					
1E	Nut, keps	1/4-20	7328					
1F	BX cable	3/8 × 30 long	2889				—	
		3/8 × 43 long	—				174387	
1G	Bushing	Anti-short	16358 (quantity = 2)					
2	Capacitor	370V, 5μF	101917		—			
		370V, 7.5μF	—		101918		—	
		370V, 15μF	—			201763		
2A	End cap	Capacitor	82113					
2B	Bracket	Capacitor strap	82114					

*Quantity is one (1) inless otherwise indicated.

Table 8. Open-Type Belt-Drive Blower Motor Assembly (Unit Sizes 150–400)										
HP	Phase	Voltage	Voltage Option	Item 1A: Motor		Item 3: Starter	Item 4: Starter Overload		Item 5: Contactor	
				FLA	PN	PN	Amp Range	PN	PN	
1/4	1	120	AK1	5.20	210611	1036971	4.20–5.70	1036933	119626	
		208	AK2	2.60	210611	1036971	2.30–3.10	1036931	119627	
		240	AK3							
	3	208	AK5	1.30	115864	1036971	1.30–1.70	1036929	—	
		240	AK6	1.00			1.00–1.30	1036928		
		480	AK7	0.60			0.55–0.74	1036926		
1/3	1	120	AK1	6.40	202091	1036971	5.70–7.60	1036934	119626	
		208	AK2	3.20	202091	1036971	3.10–4.20	1036932	119627	
		240	AK3							
	3	208	AK5	1.70	151863	1036971	1.70–2.30	1036930	—	
		240	AK6	1.40			1.30–1.70	1036929		
		480	AK7	0.70			0.55–0.74	1036926		
1/2	1	120	AK1	8.20	102627	1036971	7.60–10.00	1036935	119626	
		208	AK2	4.10	102627	1036971	3.10–4.20	1036932	119627	
		240	AK3							
	3	208	AK5	1.80	159183	1036971	1.70–2.30	1036930	119627	
		240	AK6	1.70			0.74–1.00	1036927		
		480	AK7	0.90			0.55–0.74	1036926		
		575	AK8	0.70		202089	0.55–0.74	1036926		—
		3/4	1	120		AK1	11.00	93548		1036972
208	AK2			5.20	93548	1036971	4.20–5.70	1036933	119627	
240	AK3									
3	208		AK5	2.90	36951	1036971	2.30–3.10	1036931	119627	
	240		AK6	2.60			1.30–1.70	1036929		
	480		AK7	1.30			36951	1.00–1.30		1036928
	575	AK8	1.00	202090		1.00–1.30	1036928	—		
1	1	120	AK1	13.00	13685	1036973	13.00–16.00	1036937	119626	
		208	AK2	6.20	13685	1036971	5.70–7.60	1036934	119627	
		240	AK3	6.30						
	3	208	AK5	3.20	36580	1036971	3.10–4.20	1036932	119627	
		240	AK6	3.00			2.30–3.10	1036931		
		480	AK7	1.50			36580	1.30–1.70		1036929
		575	AK8	1.40		158175	1.30–1.70	1036929		—
		1-1/2	1	120		AK1	15.00	194202		1036973
208	AK2			7.80	194202	1036971	7.60–10.00	1036935	119627	
240	AK3			7.50						
3	208		AK5	4.40	115859	1036971	4.20–5.70	1036931	119627	
	240		AK6	4.30			1036933			
	480		AK7	2.20			115859	1.70–2.30		1036930
	575	AK8	2.00	158162		1.70–2.30	1036930	—		
2	1	120	AK1	24.60	202581	1036974	24.00–29.00	1036940	119626	
		208	AK2	12.30	202581	1036973	10.00–13.00	1036936	119627	
		240	AK3							
	3	208	AK5	6.00	159327	1036971	5.70–7.60	1036934	119627	
		240	AK6				2.30–3.10	1036931		
		480	AK7							3.00
		575	AK8			2.40	158176	2.30–3.10		1036931
3	1	208	AK2	13.70	111560	1036973	13.00–16.00	1036937	—	
		240	AK3	12.40			10.00–13.00	1036936		
	3	208	AK5	9.00	159185	1036971	7.60–10.00	1036935	119627	
		240	AK6	8.60			4.20–5.70	1036933		
		480	AK7	4.30						159185
		575	AK8	3.60		120019	3.10–4.20	1036932		—
5	3	208	AK5	13.40	113371	1036973	13.00–16.00	1036937	—	
		240	AK6	13.20			5.70–7.60	1036934		—
		480	AK7	6.60	113371	1036971			4.20–5.70	
		575	AK8	5.40	120020					

BLOWER COMPONENTS (MODELS UBX AND UBZ)—CONTINUED

Table 9. TEFC-Type Belt-Drive Blower Motor Assembly Components (Unit Sizes 150–400)									
HP	Phase	Voltage	Voltage Option	Item 1A: Motor		Item 3: Starter	Item 4: Starter Overload		Item 5: Contactor
				FLA	PN	PN	Amp Range	PN	PN
1/4	1	120	AK1	3.60	16074	1036971	3.10–4.20	1036932	119626
		208	AK2	1.80	16074	1036971	1.70–2.30	1036930	119627
		240	AK3						
	3	208	AK5	1.10	271443	1036971	1.00–1.30	1036928	119627
		240	AK6						
		480	AK7	0.50	271443	1036971	0.55–0.74	1036926	119626
1/3	1	120	AK1	4.40	115861	1036971	4.20–5.70	1036933	119626
		208	AK2	2.30	159501	1036971	2.30–3.10	1036931	119627
		240	AK3	2.40					
	3	208	AK5	1.20	105567	1036971	1.00–1.30	1036928	—
		240	AK6						
		480	AK7	0.60	105567	1036971	0.55–0.74	1036926	—
1/2	1	120	AK1	7.20	159184	1036971	5.70–7.60	1036934	119626
		208	AK2	3.50	159184	1036971	3.10–4.20	1036932	119627
		240	AK3	3.60					
	3	208	AK5	2.10	16077	1036971	1.70–2.30	1036930	119627
		240	AK6	1.80					
		480	AK7	0.90	16077	1036971	0.74–1.00	1036927	119626
		575	AK8	0.70	105568		0.55–0.74	1036926	—
	3/4	120	AK1	11.00	115860	1036972	10.00–13.00	1036936	119626
		208	AK2	5.40	115860	1036971	4.20–5.70	1036933	119627
		240	AK3	5.50					
		208	AK5	2.40	20371	1036971	2.30–3.10	1036931	119627
		240	AK6	2.30					
		480	AK7	1.20	20371	1036971	1.00–1.30	1036928	119626
		575	AK8	0.80	105569		0.74–1.00	1036927	—
1	1	120	AK1	12.00	174993	1036973	10.00–13.00	1036936	119626
		208	AK2	6.20	174993	1036971	5.70–7.60	1036934	119627
		240	AK3	6.00					
	3	208	AK5	3.25	271444	1036971	3.10–4.20	1036932	119627
		240	AK6	2.94			2.30–3.10	1036931	
		480	AK7	1.47	271444	1036971	1.30–1.70	1036929	119626
		575	AK8	1.30	105570				—
	1-1/2	120	AK1	16.40	94347	1036974	16.00–20.00	1036938	119626
		208	AK2	7.80	94347	1036971	7.60–10.00	1036935	119627
		240	AK3	7.50			5.70–7.60	1036934	
		208	AK5	4.47	271445	1036971	4.20–5.70	1036933	119627
		240	AK6	4.05			3.10–4.20	1036932	
		480	AK7	2.02	271445	1036971	1.70–2.30	1036930	119626
		575	AK8	1.70	105665				—
2	1	240	AK3	8.00	205881	1036971	7.60–10.00	1036935	119627
	3	208	AK5	6.00	158165	1036971	5.70–7.60	1036934	—
		240	AK6	5.70					
		480	AK7	2.80	158165	1036971	2.30–3.10	1036931	—
		575	AK8	2.30	158166				
3	3	208	AK5	7.90	159330	1036971	7.60–10.00	1036935	—
		240	AK6	7.20			5.70–7.60	1036934	
		480	AK7	3.60	159330	1036971	3.10–4.20	1036932	—
		575	AK8	2.80			2.30–3.10	1036931	

Table 10. Drives, Pulleys, and Belts for Open-Type Motors

HP	Motor Option	Voltage Option	Drive (AM/EM) Option	Motor Pulley			Blower Pulley*		Belt**
				PN	Model	Bore Size (Inches)	PN	Model	PN (Length (Feet))
1/4, 1/3	AL2, AL3	AK1, AK2, AK3, AK5, AK6, AK7	1, 2	4074	1VL34	1/2	111609	AK 99	201809 (3.8)
			3, 4	13491	1VL40		19111	AK 84	
			5, 6, 7				18797	AK 64	
			8, 9, 10, 11, 12				135200	AK 51	
			13, 14, 15, 16, 17						
1/2, 3/4, 1, 1-1/2	AL4, AL5, AL6, AL7	AK1, AK2, AK3, AK5, AK6, AK7 AK8	1, 2	13580	1VL34	5/8	111609	AK 99	
			3, 4	7962	1VL40		19111	AK 84	
			5, 6, 7				18797	AK 64	
			8, 9, 10, 11, 12				135200	AK 51	
			13, 14, 15, 16, 17				206125	AK 44	
			18, 19, 20, 21, 22, 23,24, 25	105476	1VL44		135201	AK 39	
			26, 27, 28, 29						
2	AL8	AK1, AK2, AK3, AK8	1, 2	13580	1VL34		111609	AK 99	
			3, 4	7962	1VL40		19111	AK 84	
			5, 6, 7				18797	AK 64	
			8, 9, 10, 11, 12				135200	AK 51	
			13, 14, 15, 16, 17				206125	AK 44	
			18, 19, 20, 21, 22, 23,24, 25	105476	1VL44		135201	AK 39	
26, 27, 28, 29, 30	202652	AK124							
3	AL9	AK2, AK3	9, 10, 11, 12	7962	1VL40		202653	AK94	
			13, 14, 15, 16, 17, 18, 19				10583	AK69	
			20, 21, 22, 23, 24, 25, 26						
2	AL8	AK5, AK6, AK7	1, 2	110125	1VP34	7/8	111609	AK 99	
			3, 4	106748	1VL40		19111	AK 84	
			5, 6, 7				18797	AK 64	
			8, 9, 10, 11, 12				135200	AK 51	
			13, 14, 15, 16, 17				206125	AK44	
			18, 19, 20, 21, 22, 23,24, 25	106758	1VL44		135201	AK39	
			26, 27, 28, 29, 30				101414	BK130	
3, 5	AL9, AL10	AK5, AK6, AK7, AK8	9, 10, 11, 12	106748	1VL40		202654	BK105	
			13, 14, 15, 16, 17				16153	AK104	
			18, 19, 20, 21, 22	37451	1VM50		19111	AK84	
			23, 24, 25, 26, 27, 28, 29				105483	AK69	
			30, 31, 32, 33, 34, 35, 36						
5	AL10	AK2, AK3	9, 10, 11, 12	7963	2VP42	1-1/8	30621	2AK124	
			13, 14, 15, 16, 17	111681	1VP50		202652	AK124	
			18, 19, 20, 21, 22	161444	1VP56		19111	AK84	
			23, 24, 25, 26, 27, 28, 29	111681	1VP50		105483	AK69	
			30, 31, 32, 33, 34, 35, 36						

*Bore size = 1 inch.

**Assume 17 belt links per foot. Belt PN 201809 is Fenner #0408030. Belt PN 202655 is Fenner #0408050.

BLOWER COMPONENTS (MODELS UBX AND UBZ)—CONTINUED

HP	Motor Option	Voltage Option	Drive (AM) Option	Motor Pulley			Blower Pulley*		Belt**
				PN	Model	Bore Size (Inches)	PN	Model	PN (Length (Feet))
1/3	AL20	AK1, AK2, AK3, AK5, AK6, AK7	1, 2	4074	1VL34	1/2	111609	AK 99	201809 (3.8)
			3, 4	13491	1VL40		19111	AK 84	
			5, 6, 7				18797	AK 64	
			8, 9, 10, 11, 12				135200	AK 51	
			13, 14, 15, 16, 17						
1/4	AL19		1, 2	13580	1VL34	5/8	111609	AK 99	
			3, 4	7962	1VL40		19111	AK 84	
			5, 6, 7				18797	AK 64	
			8, 9, 10, 11, 12				135200	AK 51	
			13, 14, 15, 16, 17				206125	AK44	
		18, 19, 20, 21, 22, 23, 24, 25	105476	1VL44	135201		AK39		
		26, 27, 28, 29							
1/2, 3/4, 1	AL21, AL22, AL23	1, 2	13580	1VL34	5/8	111609	AK 99		
		3, 4	7962	1VL40		19111	AK 84		
		5, 6, 7				18797	AK 64		
		8, 9, 10, 11, 12				135200	AK 51		
		13, 14, 15, 16, 17							
1-1/2	AL24	AK1, AK2, AK3, AK5, AK6, AK7	1, 2	13580	1VL34	5/8	111609	AK 99	
			3, 4	7962	1VL40		19111	AK 84	
			5, 6, 7				18797	AK 64	
			8, 9, 10, 11, 12				135200	AK 51	
			13, 14, 15, 16, 17				206125	AK44	
			18, 19, 20, 21, 22, 23, 24, 25	105476	1VL44		135201	AK39	
			26, 27, 28, 29						
			AK8	1, 2	110125		1VP34	7/8	
		3, 4		106748	1VL40	19111	AK 84		
		5, 6, 7				18797	AK 64		
		8, 9, 10, 11, 12				135200	AK 51		
		13, 14, 15, 16, 17				206125	AK44		
		18, 19, 20, 21, 22, 23, 24, 25		106758	1VL44	135201	AK39		
		26, 27, 28, 29							
2	AL25	AK5, AK6, AK7, AK8	1, 2	110125	1VP34	7/8	111609	AK 99	
			3, 4	106748	1VL40		19111	AK 84	
			5, 6, 7				18797	AK 64	
			8, 9, 10, 11, 12				135200	AK 51	
			13, 14, 15, 16, 17				206125	AK44	
			18, 19, 20, 21, 22, 23, 24, 25	106758	1VL44		135201	AK39	
			26, 27, 28, 29						

*Bore size = 1 inch.

**Assume 17 belt links per foot. Belt PN 201809 is Fenner #0408030. Belt PN 202655 is Fenner #0408050.

*Bore size = 1 inch.

**Assume 17 belt links per foot. Belt PN 201809 is Fenner #0408030. Belt PN 202655 is Fenner #0408050.

Table 11. Drives, Pulleys, and Belts for TEFC-Type Motors—Continued

HP	Motor Option	Voltage Option	Drive (AM) Option	Motor Pulley			Blower Pulley*		Belt**
				PN	Model	Bore Size (Inches)	PN	Model	PN (Length (Feet))
3	AL26	AK5, AK6, AK7, AK8	9, 10, 11, 12	106748	1VL40	7/8	101414	BK130	202655 (3.8)
			13, 14, 15, 16, 17				202654	BK105	
			18, 19, 20, 21, 22	37451	1VM50		16153	AK104	201809 (3.8)
			23, 24, 25, 26, 27, 28, 29				19111	AK84	
			30, 31, 32, 33, 34, 35, 36				105483	AK69	
	AL26	AK1, AK2	9, 10, 11, 12	7963	2VP42	1-1/8	30621	2AK124	201809 (7.6)
			13, 14, 15, 16, 17	111681	1VP50		202652	AK124	201809 (3.8)
			18, 19, 20, 21, 22	161444	1VP56		19111	AK84	
			23, 24, 25, 26, 27, 28, 29	111681	1VP50		105483	AK69	
			30, 31, 32, 33, 34, 35, 36						
5	AL27	AK3, AK5, AK6, AK7, AK8	9, 10, 11, 12	7963	2VP42	1-1/8	30621	2AK124	201809 (7.6)
			13, 14, 15, 16, 17	111681	1VP50		202652	AK124	201809 (3.8)
			18, 19, 20, 21, 22	161444	1VP56		19111	AK84	
			23, 24, 25, 26, 27, 28, 29	111681	1VP50		105483	AK69	
			30, 31, 32, 33, 34, 35, 36						

*Bore size = 1 inch.

**Assume 17 belt links per foot. Belt PN 201809 is Fenner #0408030. Belt PN 202655 is Fenner #0408050.

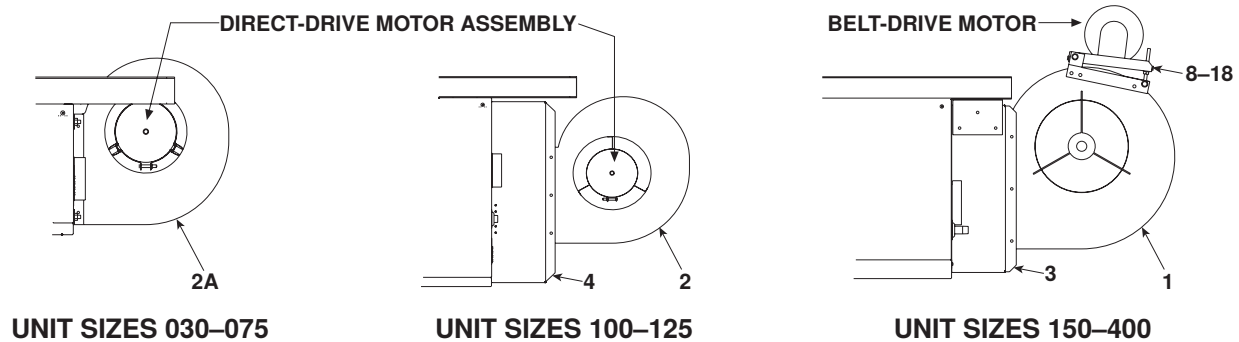


Figure 5. Blower Backs and Blowers (Refer to Table 12 and Table 13)

Table 12. Blower Backs and Blowers (Unit Sizes 30–125)

HP	Item No.	Component	Description	Unit Size (MBTUh)			
				30	45–75	100	125
				PN (Quantity)*			
All	1	Restrictor assembly		201408	—	—	
	1A	Restrictor		194512			
	1B	Angle	Restrictor	100892 (3)			
	1C	Screw	Sheet metal	195638 (3)			
	2	Blower assembly		201401		201770	
	2A	Blower wheel and housing	9 × 6	82111			
			10 × 10	—			
	2B	Mounting angle	Blower	201740 (2)			
	2C	Screw	Tek, #10 × 1/2 long	37661 (6)			
	3	Corner post	Blower back	—		1033821	
	4	Back assembly	Blower adapter	—		1033825	
	4A	Adapter back	Bottom	—		1033830	
	4B		Top			1033833	
	4C		Left side			1033832	
	4D		Right side			1033831	
	4E	Screw		—		195638 (20)	
	4F	Air baffle	Horizontal	—		1033834	
	4G		Vertical			1033835	

*Quantity is one (1) inless otherwise indicated.

NOTE: Items 1 and 3 are not shown in Figure 5.

BLOWER COMPONENTS (MODELS UBX AND UBZ)—CONTINUED

Table 13. Blower Backs and Blowers (Unit Sizes 150–400)								
HP	Item No.	Component	Description	Unit Size (MBTUh)				
				150	175–200	225, 250	300, 350	400
				PN (Quantity)*				
All	1	Blower assembly	12 × 12	1360		—		
			15 × 11	—		100658	—	
			15 × 15			—	100659	
	2	Corner post	Blower back	1033822		1033823	1033824	
	3	Back assembly	Blower adapter	1033826	1033827	1033828	1033829	
	3A	Adapter back	Bottom	1033838		1033848	1033879	
	3B		Top	1033836		1033846	1033850	
	3C		Left side	1033842	1033843	1033847	1033851	
	3D		Right side	1033841	1033844	1033849	1033880	
	3E	Screw	Sheet metal	195638 (34)		195638 (26)	195638 (34)	
	3F	Air baffle	Horizontal	1033840	1033845 (2)	—	1033881 (2)	
	3G	Baffle	Blower	—		—		1041283
	3H	Support bracket	Hanger, left	202759		202759		
	3J		Hanger, right	202760		202760		
	3K	Bolt**	1/4 × 5/8	47252 (6)		47252 (6)		
	3L	Nut	1/4-20	7328 (6)		7328 (6)		
	4	Key	1/4 square × 1-1/4 long	16099		16099		
	5	Blower shaft	1 × 22	11303		11303	—	
			1 × 23	—		—	100747	
	6	Blower bearing	SRC-16-1-1-inch	10437		10437		
1/4–3/4	7	Bracket assembly	Motor adjustment	193996		193996	—	
	7A	Bracket	Motor adjustment	12575		12575		
	7B	Nut	Spotweld, 5/16-18	16233 (2)		16233 (2)		
	7C	Bolt, motor adjustment	Hex head, 5/16-18 × 4 long	14668 (2)		14668 (2)		
	7D	Nut	Hex, 5/16-18	1035 (2)		1035 (2)		
	7E	Capscrew, hex head	1/4-20 × 3/4 long	16246 (2)		16246 (2)		
	7F	Nut, Keps	Hex, 1/4-20	10650 (2)		10650 (2)		
	7G	Washer	Flat, 1/4	1320 (4)		1320 (4)		
	7H	Hardware bag		64940		64940		
1–5	8	Plate	Motor mounting	—	202839	202840	202841	
	9	Support, motor mounting plate	Left		12576	12576		
	10		Right		12577	12577		
	11	Rod bolt	5/16-18		12489 (2)	12489 (2)		
	12	Nut	Hex, 5/16-18		1035 (2)	1035 (2)		
	13	Nut, Keps	Hex, 5/16-18		6554 (6)	6554 (6)		
	14	Washer	Flat, 5/16		1087 (8)	1087 (8)		
	15	Capscrew, hex head	5/16-18 × 3/4 long		16247 (6)	16247 (6)		
	16		5/16-18 × 1-1/2 long		16248 (2)	16248 (2)		
	17	Insert, threaded	5/16-18 (#ATS2-518)		124260 (4)	124260 (4)		
	18	Fastener, Teks	#10-16 × 1/2 long		37661 (4)	37661 (4)		
*Quantity is one (1) inless otherwise indicated.								
**For securing hanger support bracket to adapter back.								
NOTE: Items 2, 4, 5, 6, and 7 are not shown in Figure 5 .								

CABINET COMPONENTS

NOTE: If replacing the cabinet's bottom pan assembly (item 1), order a replacement status indicator LED listed in [Table 4](#) or [Table 5](#).

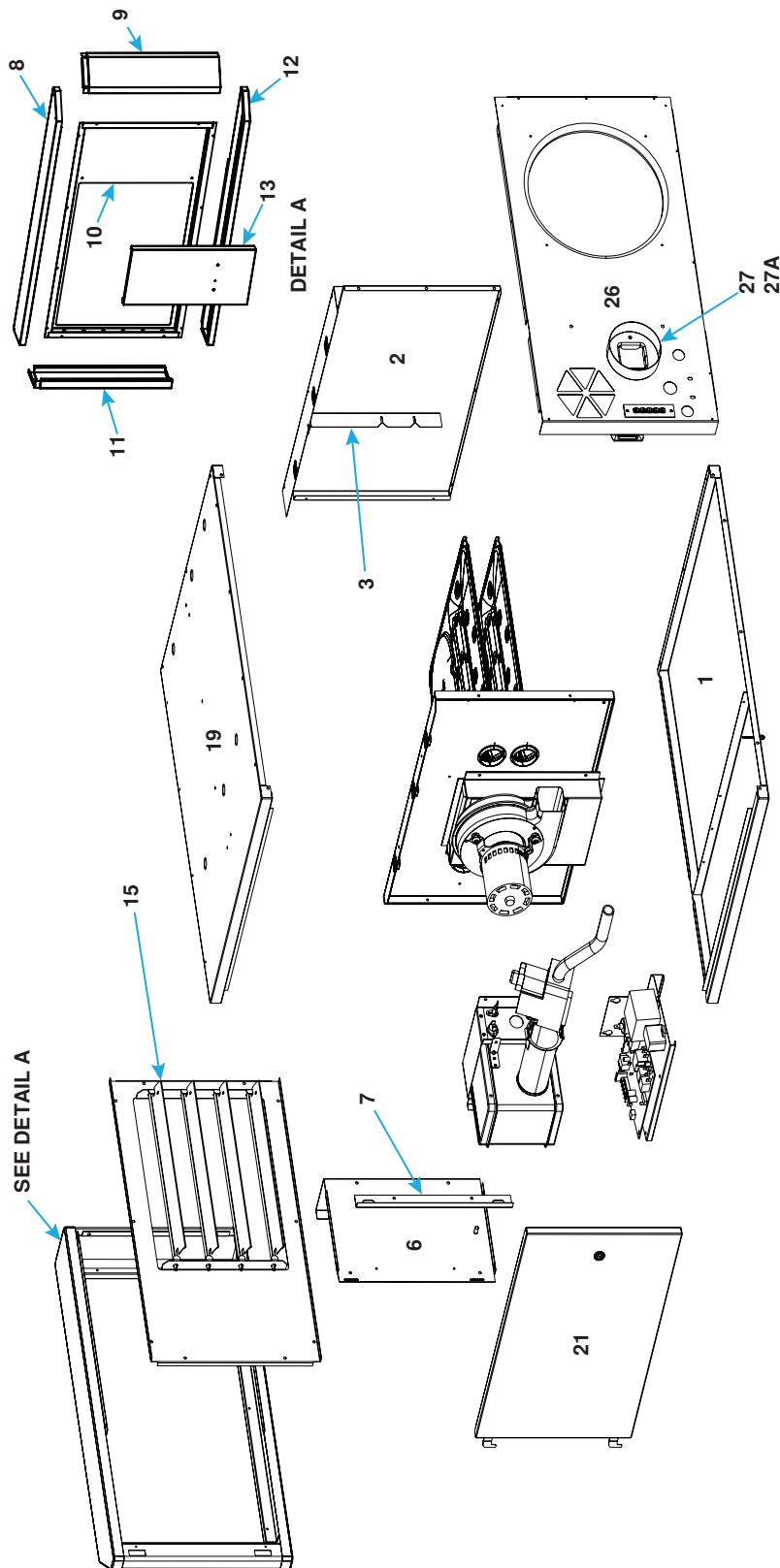


Figure 6. Cabinet Components (Refer to [Table 15](#) and [Table 16](#))

CABINET COMPONENTS—CONTINUED

Table 14. Cabinet Components (Unit Sizes 30–125)									
Item No.	Component	Description	Model	Unit Size (MBTUh)					
				30	45	60	75	100	125
				PN (Quantity)*					
1	Pan assembly	Bottom	All	1034099**		1034099**		1034099**	
			UBX, UDX	1042544***		1042544***		1042544***	
			UBZ, UDZ	1042545***		1042545***		1042545***	
2	Side panel	Left	All	1028425		1028427		1028445	
3	Support	Heat exchanger	All	1034663	1034664	1034665	1034666	1034667	1034668
4	Gasket	Heat exchanger support	All	236155 (2)		236155 (2)		236155 (2)	
5	Screw	Sheet metal, #8-18 × 3/8	All	195638		195638		195638	
6	Panel	Right	UBX, UDX	1036221**		1036222**		1036223**	
			UBZ, UDZ	1036227**		1036228**		1036229**	
			All	1042540***		1042541***		1042542***	
7	Stop	Door	All	1036233**		1036234**		1036235**	
8	Top panel	Face plate assembly	All	1041197		1041197		1041197	
9	Face mitered corner†			1028411**		1028430**		1028444**	
				1042460***		1042409***		1042464***	
10	Face plate panel†		UBX, UDX	1028412		1028432		1028438	
			UBZ, UDZ	1028414††		1028435††		1028442††	
				1042421†††		1042422†††		1042423†††	
11	Face left side panel		All	1028410		1028431		1028440	
12	Face bottom panel			1041198		1041198		1041198	
13	Face inlay panel			UBZ, UDZ	1028415††		1028436††		1028439††
14	Reznor logo†	Sticker	UBX, UDX	1034239		1034240		1034240	
		Plastic	UBZ, UDZ	1034238		1034238		1034238	
15	Louver	Horizontal, black	UBX, UDX	1028417 (4)		1028417 (5)		1028417 (7)	
			UBZ, UDZ	1028416 (3)††		1028416 (4)††		1028416 (6)††	
		Horizontal, red		UBZ, UDZ	1028417 (3)†††		1028417 (4)†††		1028417 (6)†††
						1033958††		1033958††	
				1042513†††		1042513†††		1042513†††	
16	Spring	Compression, for louver	All	195046 (4)		195046 (5)		195046 (7)	
17	Hanger bar	Right	UBX, UBZ	202744		202744	202746	202748	202750
18		Left		202743		202743	202745	202747	202749
19	Panel	Top	All	1036376**		1036376**		1036376**	
				1042461***		1042461***		1042461***	
19A	Clip nut	For hanging		196336 (2)		196336 (2)		196336 (2)	
20	Air baffle	Top	UDX, UDZ	195545	195546	195547	195548	195549	195550
21	Door assembly	Access	UBX, UDX	1042482		1042483		1042484	
			UBZ, UDZ	1037134		1037135		1037136	
21A	Door latch	Screwlock	All	1034012					
22	Plug	Window	UBZ, UDZ	207525		207525		207525	
23	Rubber	Door	UBX, UDX	155064 (4)		155064 (4)		155064 (4)	
24	Gasket	Door, top/bottom	UBZ, UDZ	202031(2)		202031(2)		202031(2)	
25		Door, side		202031(2)		202031(2)		202031(2)	
26	Rear panel	—	UDX	1028421		1028428		1028446	
		Includes inlet collar	UDZ	1034641		1034642		1034643	
		—	UBX	1033882		1033883		1033884	
		Includes inlet collar	UBZ	1034648		1034649		1034650	
*Quantity is one (1) unless otherwise indicated.									
**For units manufactured before 13 JAN 2023.									
***For units manufactured after 12 JAN 2023.									
†The Reznor logo is not included with the face plate or mitered corner. The logo must be ordered separately.									
††For units manufactured before 8 NOV 2022.									
†††For units manufactured after 7 NOV 2022.									

Table 14. Cabinet Components (Unit Sizes 30–125) —Continued

Item No.	Component	Description	Model	Unit Size (MBTUh)					
				30	45	60	75	100	125
				PN (Quantity)*					
27	Outlet collar	4-inch	All	195077		195077		195077	
27A	Gasket	Outlet collar		170048		170048		170048	
28	Grommet	Gas pipe	UBZ, UDX	102607		102607		102607	
29	Touch-up paint	White, spray can	All	1035205U		1035205U		1035205U	
		Black, spray can		1035207U		1035207U		1035207U	

*Quantity is one (1) unless otherwise indicated.

Table 15. Cabinet Components (Unit Sizes 150–400)

Item No.	Component	Description	Model	Unit Size (MBTUh)						
				150, 175	200	225	250	300	350	400
				PN (Quantity)*						
1	Pan assembly	Bottom	All	1034101		1034101		1034102		
2	Side panel	Left	All	1033699		1033706		1033719		
3	Support	Heat exchanger	All	Part of replacement heat exchanger (refer to Table 17)						
4	Gasket	Heat exchanger support								
5	Screw	Sheet metal, #8-18 × 3/8								
6	Panel	Right	UBX, UDX	1036224**		1036225**		1036226**		
			UBZ, UDZ	1036230**		1036231**		1036232**		
			All	1042467***		1042471***		1042475***		
7	Stop	Door	All	1036236**		1036237**		1036238**		
8	Top panel	Face plate assembly	All	1028449**		1028449**		1033724**		
9	Face mitered corner†			1042469***		1042469***		1042473***		
				1028452**		1033712**		1033726**		
				1042468***		1042470***		1042472***		
10	Face plate panel†		UBX, UDX	1033696		1033811		1033729		
			UBZ, UDZ	1033692††		1033713††		1033800††		
				1042424†††		1042425†††		1042426†††		
11	Face left side panel		All	1028451		1033711		1033725		
12	Face bottom panel			1028450		1028450		1033727		
13	Face inlay panel			UBZ, UDZ	1033693††		1033714††		1033801††	
14	Reznor logo†	Sticker	UBX, UDX	1034240		1034240		1034240		
		Plastic	UBZ, UDZ	1034238		1034238		1034238		
15	Louver	Horizontal, black	UBX, UDX	1033810 (5 or 6)		1033810 (7 or 8)		1033810 (10)		
			UBZ, UDZ	1033694 (6)††		1033694 (8)††		1033694 (10)††		
		1033810 (5)†††		1028417 (7)†††		1033810 (9)†††				
		Horizontal, red		UBZ, UDZ	1033959††		1033959††		1033959††	
1042514†††			1042514†††		1042514†††					
16	Spring	Compression, for louver	All	195046 (5 or 6)		195046 (7 or 8)		195046 (10)		
17	Hanger bar	Right	UBX, UBZ	202752		202754		202756	202758	
18		Left		202751		202753		202755	202757	
19	Panel	Top	All	1036342**		1033698**		1033718**		
			UBX, UBZ	1042466***		1042476***		1042474***		
			UDX, UDZ			1042466***				
19A	Clip nut	For hanging	All	196336 (2)		196336 (2)		196336 (2)		
20	Not used									

*Quantity is one (1) unless otherwise indicated.

For units manufactured **before 13 JAN 2023.

***For units manufactured **after** 12 JAN 2023.

†The Reznor logo is not included with the face plate or mitered corner. The logo must be ordered separately.

††For units manufactured **before** 8 NOV 2022.

†††For units manufactured **after** 7 NOV 2022.

CABINET COMPONENTS—CONTINUED

Table 15. Cabinet Components (Unit Sizes 150–400)—Continued

Item No.	Component	Description	Model	Unit Size (MBTUh)						
				150, 175	200	225	250	300	350	400
				PN (Quantity)*						
21	Door assembly	Access	UBX, UDX	1042485		1042486		1042487		
			UBZ, UDZ	1037137		1037138		1037139		
21A	Door latch	Screwlock	All	1034012						
22	Plug	Window	UBZ, UDZ	207525		207525		207525		
23	Rubber	Door	UBX, UDX	155064 (4)		155064 (4)		155064 (4)		
24	Gasket	Door, top/bottom	UBZ, UDZ	202031 (2)		202031 (2)		202031 (2)		
25		Door, side		202031 (2)		202031 (2)		202031 (2)		
26	Rear panel	—	UBX	1033885	1033886	1033887		1033888		
		Includes inlet collar	UBZ	1034651	1034652	1034653		1034654		
		—	UDX	1033702	1033705	1033707		1033722		
		Includes inlet collar	UDZ	1034644	1034645	1034646		1034647		
27	Outlet collar	5-inch	All	195079	216950	216950		—		
		6-inch		—		—		216951		
27A	Gasket	Outlet collar			170048	196822	196822		196822	
28	Grommet	For pipe	UBZ, UDZ	102607		15021		15021		
29	Touch-up paint	White, spray can	All	1035205U		1035205U		1035205U		
		Black, spray can		1035207U		1035207U		1035207U		
*Quantity is one (1) unless otherwise indicated.										

*Quantity is one (1) unless otherwise indicated.

HEAT EXCHANGER AND BURNER ASSEMBLY COMPONENTS

NOTE: Replacement heat exchanger and burner assembly for unit sizes 30–125 are shown in [Figure 7](#). Replacement heat exchanger for unit sizes 150–400 includes a tube support and four channels that connect the header to the support. All replacement heat exchangers include a gasket kit with instructions for attaching gaskets.

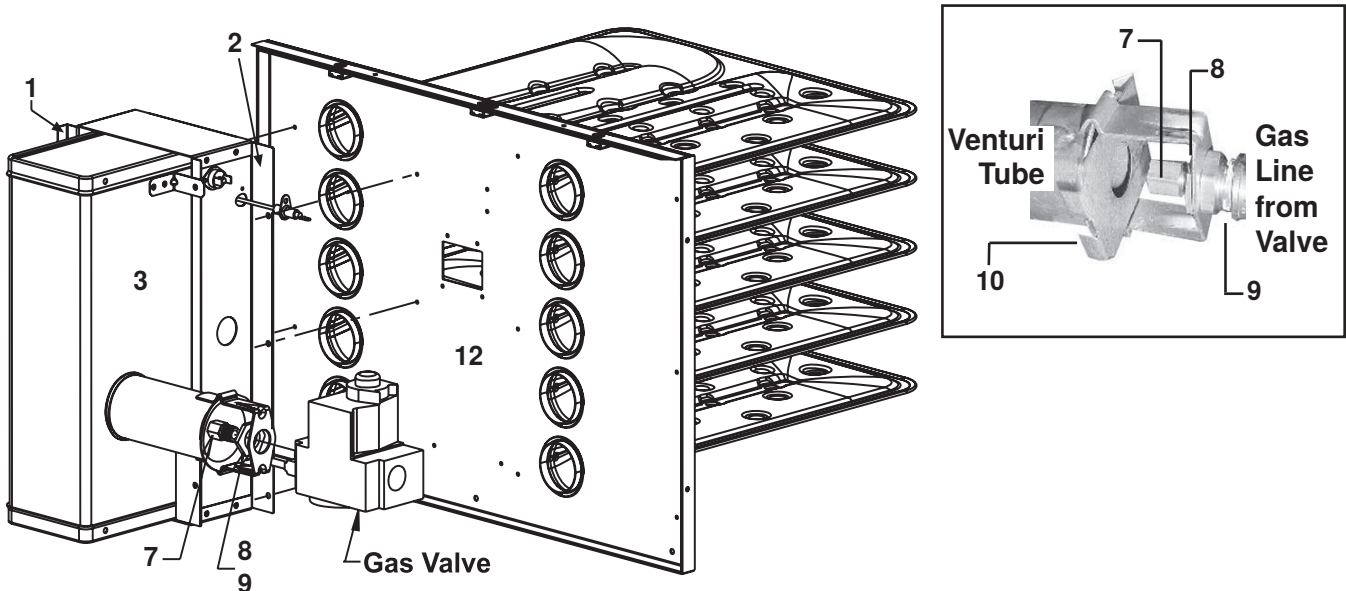


Figure 7. Replacement Heat Exchanger and Burner Assembly Components
(Refer to [Table 16](#) and [Table 17](#))

Table 16. Burner Assembly Components (Unit Sizes 30–125)									
Item No.	Component	Description	Model	Unit Size (MBTUh)					
				30	45	60	75	100	125
				PN (Quantity)*					
1	Burner shield	Front side	UDX, UDZ	222100	222101	222102	222103	222105	222106
			UBX, UBZ				222104		
2		Rear side	UDX, UDZ	222127	222128	222129	222130	222131	222132
			UBX, UBZ	222147	222148	222149	222150	222151	222152
3	Burner assembly		UDX, UDZ	195231	195232	195233	195234	195235	195236
			UBX, UBZ	195231	195232	195233	202642	195235	195236
4	Gasket	Burner end (not shown)	All	195667 (2)		195667 (2)		195667 (2)	
5	Burner baffle (not shown)		UDX, UDZ	—		—	—	196750 (2)	
			UBX, UBZ			196751 (2)	196751 (2)	—	
						202682 (2)	196750 (2)		
						202683 (2)	196751 (2)	—	
202684 (2)									
6	Burner support (not shown)		All	196597 (3)	196597 (4)	196597 (4)		196597 (6)	
196752									
7	Burner orifice		All	Refer to Table 18					
8	Nut, pipe	1/2	All	165702		165702		165702	
9	Bushing	Orifice adapter, 1/2 × 1/4	All	165701		165701		165701	
10	Primary air restrictor	LP only	UDX, UDZ	196687		196688		196688	—
			UBX, UBZ	203078		202051		196688	
11	Gas conversion kit (not shown)	NG to LP	UDX, UDZ	1036536R		1036537R		1036538R	
			UBX, UBZ	1036541R		1036542R			
		LP to NG	All	1036544R		1036545R		1036546R	
12	Heat exchanger assembly, includes gaskets	Aluminized-steel (option AC1)	UDX	1034160	1034161	1034162	1034163	1034164	1034165
			UBX, UBZ, UDZ	1034024	1034027	1034030	1034033	1034036	1034039
		409 SST (option AC2)	All	1034026	1034029	1034032	1034035	1034038	1034041
		316 SST (option AC4)		1034025	1034028	1034031	1034034	1034037	1034040
12A	Gasket kit	Heat exchanger	All	1036360		1036361		1036362	
*Quantity is one (1) unless otherwise indicated.									

*Quantity is one (1) unless otherwise indicated.

HEAT EXCHANGER AND BURNER ASSEMBLIES—CONTINUED

Table 17. Burner Assembly Components (Unit Sizes 150–400)

Table 17. Burner Assembly Components (Unit Sizes 150–400)											
Item No.	Component	Description	Model	Unit Size (MBTUh)							
				150	175	200	225	250	300	350	400
				PN (Quantity)*							
1	Burner shield	Front side	UDX, UDZ	222107	222108	222109	222110	222111	222112		
UBX, UBZ			222112						222113		
2		Rear side	UDX, UDZ	222133	222134	222136	222137	222138	222139		
UBX, UBZ			222139						222140		
3	Burner assembly		All	195237	195238	195239	195240	195241	195242	195243	
4	Gasket	Burner end (not shown)	All	195668 (2)		195668 (2)			195668 (2)		
5	Burner baffle (not shown)		All	197238 (2)		197238 (2)			197239 (2)	—	
6	Burner support (not shown)		All	196598 (4)		196598 (6)			196598 (6)		
7	Burner orifice		Refer to Table 18								
8	Nut, pipe	1/2	All	165702		165702			165702		
9	Bushing, orifice adapter	1/2 × 1/4	All	165701		—			—		
		3/4 × 3/8	All	—		194809			194809		
10	Primary air restrictor	LP only	All	196688	—		—			—	
11	Gas conversion kit (not shown)	NG to LP	All	1036539R		1036540R	1036540R		1036543R	1036543R	
		LP to NG	All	1036547R		1036548R	1036548R		1036549R	1036549R	
12	Heat exchanger assembly, includes gaskets, tube supports, and tube support channels	Aluminized steel (option AC1)	UDX	1034589	1034593		1034597	1034601	1034605	1034609	1034613
			UBX, UBZ, UDZ	1034590	1034594		1034598	1034602	1034606	1034610	1034614
		All	409 SST (option AC2)	1034592	1034596		1034600	1034604	1034608	1034612	1034616
			316 SST (option AC4)	1034591	1034595		1034599	1034603	1034607	1034611	1034615
12A	Gasket kit	Heat exchanger	All	201670		201671	221214	201672	201672		

*Quantity is one (1) unless otherwise indicated.

*Quantity is one (1) unless otherwise indicated.

Table 18. Burner Orifices

Unit Size (MBTUh)*	Natural Gas		Propane	
	Orifice (Drill) Size	PN	Orifice (Drill) Size	PN
30	#39	196852	1.6-mm	196844
45	3.1 mm	120144	#48	196845
60	#28	124969	2.25 mm	1034350
75	#22	196361	#40	120137
100	#14	208247	#32	120141
125	#10	120158	3.1 mm	120144
150	5.6 mm	208243	3.5 mm	120148
175	6.0 mm	208245	#27	120149
200	F	120167	4.1 mm	196900
225	6.95 mm	221121	11/64 inch	196901
250	L	208255	4.6 mm	1034352
300	7.8 mm	208253	#8	196903
350	8.5 mm	1034354	5.4 mm	1034353
400	9.2 mm	1034355	5.8 mm	196905

*All models.

VENTER AND FLUE WRAPPER COMPONENTS

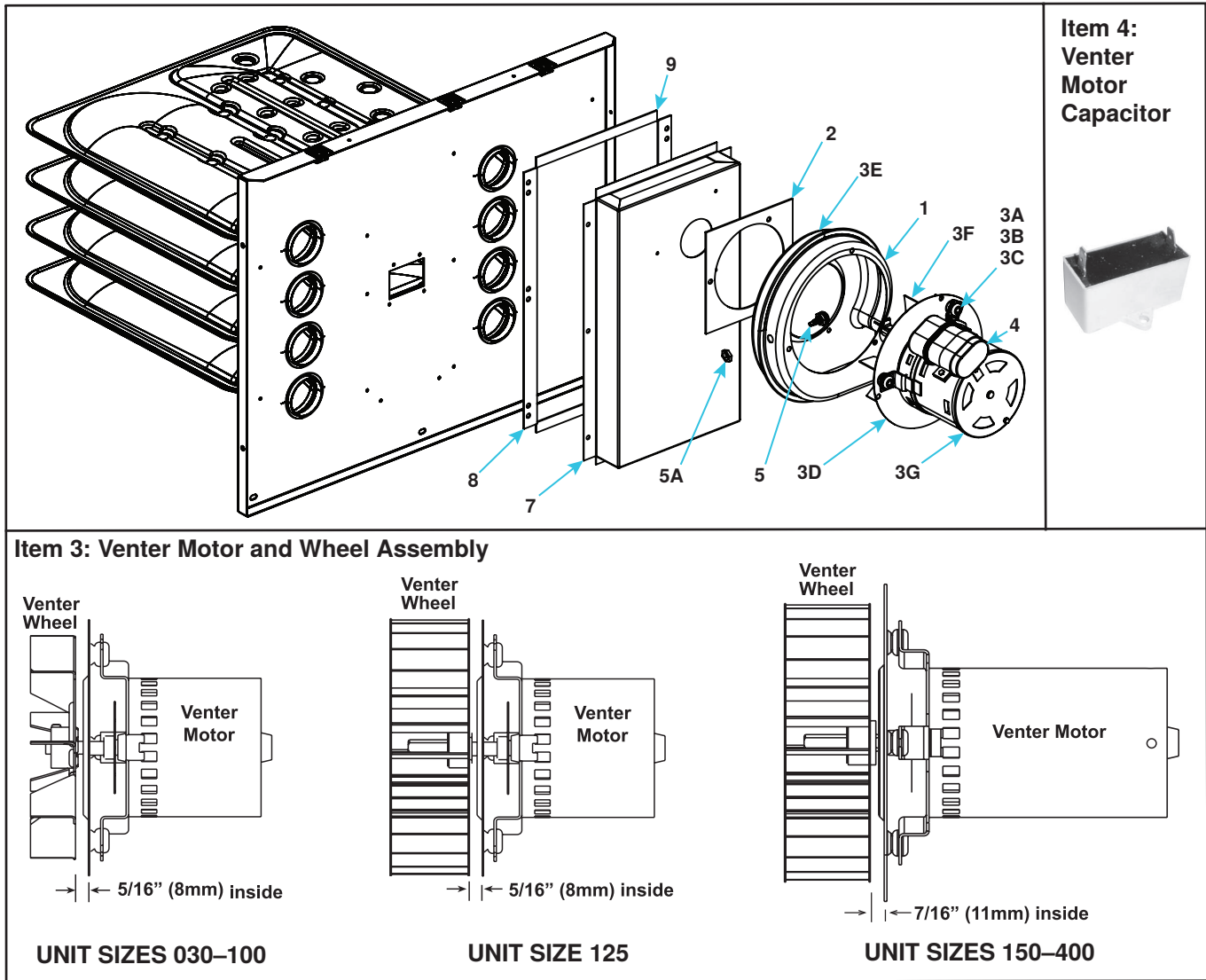


Figure 8. Venter and Flue Wrapper Components (Refer to [Table 19](#) and [Table 20](#))

VENTER AND FLUE WRAPPER COMPONENTS—CONTINUED

Table 19. Venter and Flue Wrapper Components (Unit Sizes 30–125)									
Item No.	Component	Description	Model	Unit Size (MBTUh)					
				30	45	60	75	100	125
				PN (Quantity)*					
1	Housing	Venter	All	196248					
2	Gasket	Venter housing		196012					
3	Venter motor and wheel	Assembly	UBX	220779	220779	1036168	1036169	1036170	
			UBZ		1036169				
			UDX		220779				
			UDZ		1036169				
3A	Isolator	Venter motor	All	194534 (3)					
3B	Bushing	Venter motor isolator		194803 (3)					
3C	Screw	Venter motor isolator bushing		113275 (3)					
3D	Plate	Venter motor		194806					
3E	Gasket	Venter motor plate	Not used						
3F	Wheel	Venter	All	195036		195036		195036	135979
3G	Motor	Venter	UBX	1005552	1005552	1005553	236157		
			UBZ		236157				
			UDX		1005552				
			UDZ		236157				
4	Capacitor	Venter motor	May be included in venter wheel and motor assembly (item 3)						
5	Pressure tap	Static, assembly	All	116043					
5A	Nut	Static pressure tap		Part of static pressure tap assembly (item 5)					
6	Tubing, silicone rubber	6 inches long		148986					
7	Flue wrapper assembly		UBX, UDX	1034070	1034072	1034074	1034076	1034078	1034080
			UBZ, UDZ		1034044	1034046			
7A	Flue wrapper		UBX, UDX	1034071	1034073	1034075	1034077	1034079	1034081
			UBZ, UDZ		1034045	1034047			
7B	Support	Flue (outlet) collar	Part of flue wrapper assembly (item 7)						
8	Gasket, flue wrapper	Side	All	170029		170030		1033980	
9		Top/bottom		170038		170038		170038	
*Quantity is one (1) unless otherwise indicated.									

*Quantity is one (1) unless otherwise indicated.

Table 20. Venter and Flue Wrapper Components (Unit Sizes 150–400)

Item No.	Component	Description	Model	Unit Size (MBTUh)							
				150	175	200	225	250	300	350	400
				PN (Quantity)*							
1	Housing	Venter	All	196248		257029		257029			
2	Gasket	Venter housing		196012		254935		254935			
3	Venter motor and wheel assembly	115V	All (except with option AV6)	220782		220784		220786			
		208/230V/1PH	UDX, UDZ	220783		220785		220787			
		208/230V/3PH	UBX, UBZ	220783		220785		220787			
3A	Isolator	Venter motor	All	194534 (3)		194534 (3)		194534 (3)			
3B	Bushing	Venter motor isolator		194803 (3)		194803 (3)		194803 (3)			
3C	Screw	Venter motor isolator bushing		113275 (3)		113275 (3)		113275 (3)			
3D	Plate	Venter motor		194806		194910		194910			
3E	Gasket	Venter motor plate		—		201472		201472			
3F	Wheel	Venter		195036		195666		195666			
3G	Venter motor	115V		236157		236158		236159			
4	Venter motor capacitor	115V, 3µF, 400VAC	All	236180		—		—			
		115V, 4µF, 400VAC		195641							
		115V, 5µF, 400VAC		—		—		195642			
		115V, 7.5µF, 400VAC		—		195643		—			
		115V	UDX, UDZ (with options D10 and D14)	—		195643		195642	195643		
		115V, 3µF, 400VAC		236180		—		—			
		115V, 4µF, 400VA		—	195641	—		—			
		115V, 5µF, 400VAC		195642	—	—		—			
		208/230V/1PH		195641		195642		195641			
		208/230V/3PH, 4µF, 400VAC	UBX, UBZ	195641		—		195641			
		208/230V/3PH, 5µF, 400VAC		—		195642		—			
5	Pressure tap	Static, assembly	All	116043		116043		116043			
5A	Nut	Static pressure tap		Part of static pressure tap assembly (item 5)							
6	Tubing, silicone rubber	12 inches long	All	148251		—		—			
		16 inches long		—		205837	—		—		
		20 inches long		—		—	130673		—		
		22 inches long		—		—		157904			
7	Flue wrapper assembly		UBX, UDX	1034082	1034084	1034086	1034088	1034090	1034092	1034094	1034096
		UBZ, UDZ	1034058			1034064			1034066		
7A	Flue wrapper		UBX, UDX	1034083	1034085	1034087	1034089	1034091	1034093	1034095	1034097
		UBZ, UDZ	1034059			1034065			1034067		
7B	Support	Flue (outlet) collar	All	—		254952	254952		254952		
8	Gasket, flue wrapper	Side	All	170033	170034	170035	170042	170043	170044	170036	170037
9		Top/bottom		170039		170039		170039			

*Quantity is one (1) unless otherwise indicated.

VENTING AND COMBUSTION AIR KIT COMPONENTS (MODELS UDZ AND UBZ)

NOTES:

- There are three venting and combustion air kits. Kit components are shown in [Figure 9](#) and listed in [Table 21](#).
- The vertical vent terminal/combustion air package is the same as option CC2. The horizontal vent terminal/combustion air package is the same as option CC6.
- The concentric adapter box assembly (item 1A) for the vertical vent terminal/combustion air package is configured with a collar and a vent pipe opening on the heater connection side. The collar is for connecting the combustion air pipe from the heater and the vent pipe opening is for the vent pipe to run through from the terminal and outside air pipe to connect to the vent run.
- The concentric adapter box assembly (item 1B) for the horizontal vent terminal/combustion air package is configured with a collar on the vent terminal connection side. The collar is for connecting the outside portion of the combustion air pipe. The vent pipe runs concentric through the outside portion of the combustion air pipe.

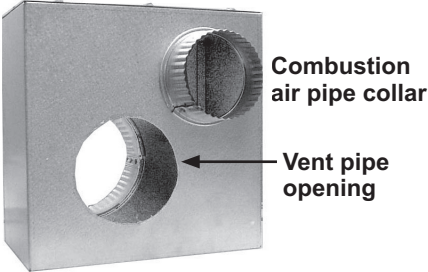
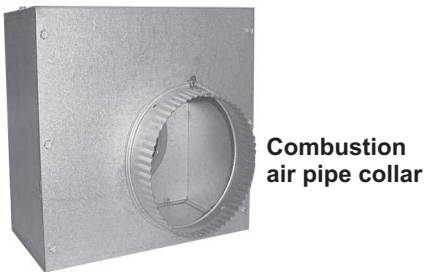
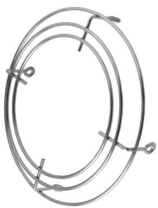
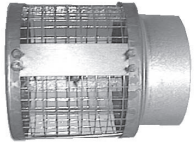
Item 1A: Concentric Adapter Box Assembly 	Item 1B: Concentric Adapter Box Assembly 	
Item 2A: Exhaust (Vent) Terminal 	Item 2B: Exhaust Grill 	Item 3B: Inlet Guard 
Item 3A: Combustion Air Inlet 	Item 6B: Screened Exhaust Assembly 	

Figure 9. Venting and Combustion Air Kit Components (Refer to [Table 21](#))

Table 21. Venting and Combustion Air Kit Components						
Kit	Unit Size (MBTUh)		Item No.	Component	Unit Size (MBTUh)	
	30–125	150–400			30–125	150–400
	Kit PN				Component PN (Quantity)*	
Vertical vent kit (same as option CC2)	205895	205896	1A	Concentric adapter box assembly	205884	205885
			2A	Exhaust (vent) terminal	110051	110052
			3A	Combustion air inlet	155635	53330
			4A	Bracket, concentric adapter box (not shown)	207232 (2)	
			5A	Sealant, clear silicone, #732, high temperature (450°F), 3-oz tube (not shown)	53335	
Horizontal vent kit (same as option CC6)	211762	211763	1B	Concentric adapter box assembly	211789	211790
			2B	Exhaust grill	211791	211792
			3B	Inlet guard	151755	124940
			4B	Bracket, concentric adapter box (not shown)	207232 (2)	
			5B	Screw, #10-16 × 1/2 long, to attach guard and grill (not shown)	37661 (8)	
			6B	Screened exhaust assembly	155096	53316
			7B	Sealant, clear silicone, #732, high temperature (450°F), 3-oz tube (not shown)	53335	
*Quantity is one (1) unless otherwise indicated.						

ACCESSORIES/OPTIONS

Vent Caps (Option CC1, Models UBX and UDX)

NOTE: Refer to the venting manual provided with the unit for installation instructions.



Figure 10. Vent Cap

Table 22. Vent Caps						
Model	Unit Size (MBTUh)					Size (Inches)
	30–75	100	125	150–250	300–400	
	PN					
UBX, UDX	111848			—		4
	—			111849	—	5
	—			111850		6
UDX (with option AV6)	111848	—				4
	—	111849	—			5

ACCESSORIES/OPTIONS—CONTINUED

Vertical Louver Kits (Option CD1)

NOTES:

- Refer to the vertical louver kit installation manual provided with the kit for components and installation instructions.
- When installed, vertical louvers must be adjusted to achieve the desired airflow pattern.

Table 23. Vertical Louver Kits					
Unit Size (MBTUh)					
30, 45	60, 75	100, 125	150–200	225, 250	300–400
Kit PN					
1036298	1036299	1036300	1036301	1036302	1036303

Downturn Nozzle Kits (Options CD2, CD3, CD4, and CD5)

NOTES:

- The downturn nozzle assembly (option CD2, CD3, CD4, or CD5) consists of one or two 30-degree nozzles. Options CD3 and CD5 provide 60-degree air deflection (may vary with louver adjustment).
- Refer to the downturn nozzle kit installation manual provided with the kit for components and installation instructions.

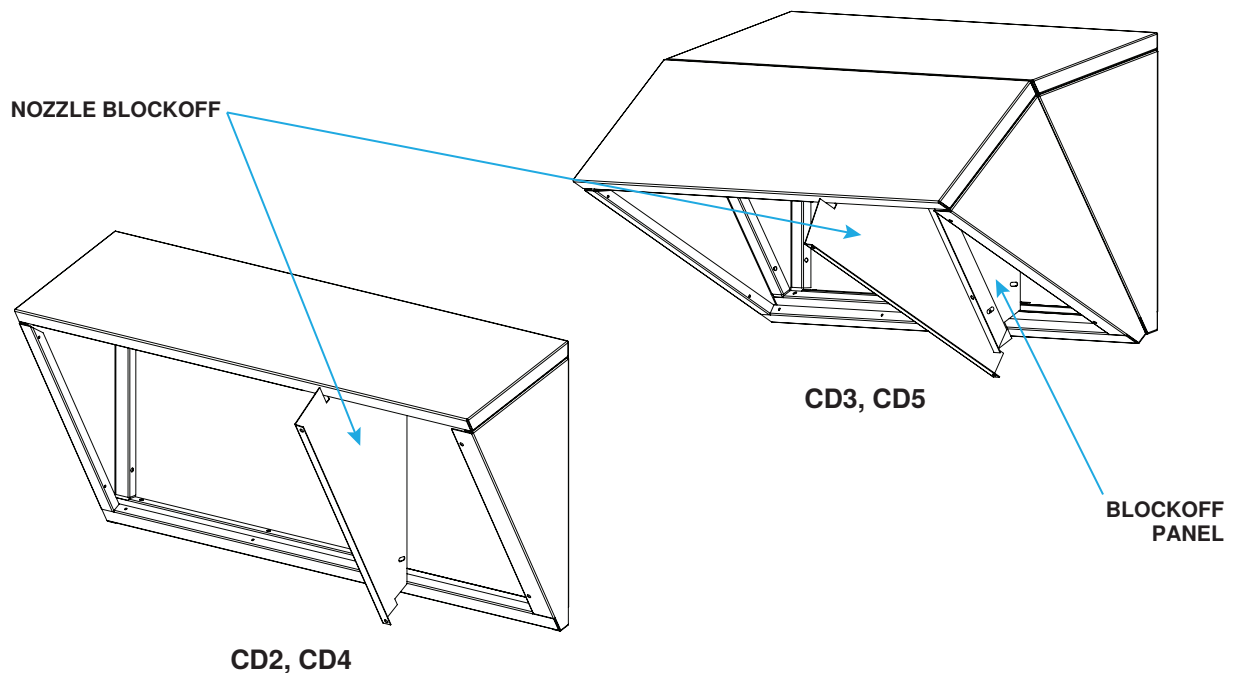


Figure 11. Downturn Nozzle Assemblies

Table 24. Downturn Nozzle Kits							
Option	Model	Unit Size (MBTUh)					
		30, 45	60, 75	100, 125	150–200	225, 250	300–400
		Kit PN					
CD2	All	1036261	1036262	1036263	1036264	1036265	1036266
	UBZ, UDZ*	1036267	1036268	1036269	1036270	1036271	1036272
CD3	All	1036273	1036274	1036275	1036276	1036277	1036278
	UBZ, UDZ*	1036279	1036280	1036281	1036282	1036283	1036284
CD4	All	1036285	1036286	1036287	1036288	1036289	1036290
	UBZ, UDZ*	1036291	1036292	1036293	1036294	1036295	1036296
CD5**	UBX, UBZ	1036306	1036307	1036308	1036309	1036310	1036311
	UBZ*	1036312	1036313	1036314	1036315	1036316	1036317
*For model UBZ or UDZ units manufactured <i>before</i> 8 NOV 2022.							
**Option CD5 is available only on model UBX and UBZ units.							

Duct Flange Kits (Option CD9, Models UBX and UBZ)

NOTE: Refer to the duct flange kit installation manual provided with the kit for components and installation instructions.

Table 25. Duct Flange Kits					
Unit Size (MBTUh)					
30, 45	60, 75	100, 125	150–200	225, 250	300–400
Kit PN					
1036350	1036351	1036352	1036353	1036354	1036355

Polytube Adapter Kit (Option CD11, Models UBX and UBZ, Unit Sizes 75–400)

NOTE: Refer to the polytube adapter kit installation manual provided with the kit for components and installation instructions.

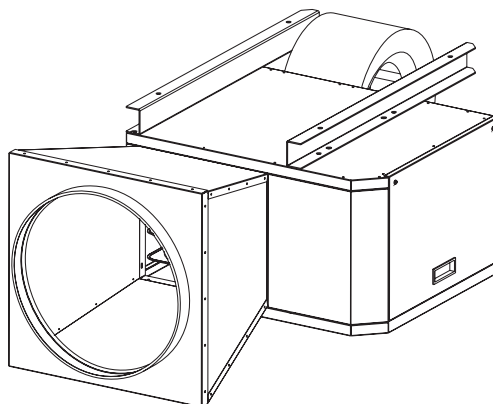


Figure 12. Polytube Adapter Assembly

Table 26. Polytube Adapter Kits				
Unit Size (MBTUh)				
75	100, 125	150–200	225, 250	300–400
Kit PN				
1036371	1036372	1036373	1036374	1036375

ACCESSORIES/OPTIONS—CONTINUED

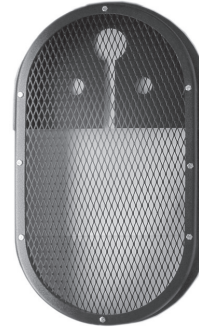
Blower Inlet and Belt Guard Kits (Options CD10 and CD12, Models UBX and UBZ)

NOTES:

- The blower inlet guard and belt guard assemblies (see [Figure 13](#)) together are option CD10. The blower inlet guard assembly when ordered separately is option CD12.
- Refer to the blower inlet and belt guard kit installation manual provided with the kit for components and installation instructions.



Blower Inlet Guard Assembly



Belt Guard Assembly

Figure 13. Blower Inlet and Belt Guard Assemblies

Table 27. Blower Inlet and Belt Guard Kits

Option	Unit Size (MBTUh)		
	30–125	150–200	225–400
	Kit PN		
CD10	—	202316	202317
CD12	114548	—	

Stepdown Transformer Kits (Options CG1, CG4, and CG5)

NOTE: Refer to the stepdown transformer kit installation manual provided with the kit for components and installation instructions.

Table 28. Stepdown Transformer Kits

Table 28. Stepdown Transformer Kits										
Option (Voltage)	Model	Unit Size (MBTUh)								
		30	45	60, 75	100	125	150, 175	200	225, 250	300, 350, 400
		PN								
CG1 (208V)	UBX, UBZ	262851		260922	260926		—			
	UDX, UDZ	260919	262851			260921			260922	260923
CG4 (230V or 460V)	UBX, UBZ	198505		197153	202978		198505*			
	UDX, UDZ	197150	198505			197152			197153	197154
CG5 (575V)	UBX, UBZ	198508		1043172	1043174		198508**			
	UDX, UDZ	1043169	198508			1043171			1043172	1043173
*Part of voltage option AK7.										
**Part of voltage option AK8.										

*Part of voltage option AK7.

**Part of voltage option AK8.

Hanger Kits (Options CK8 and CK10)

NOTE: There are two hanger kit options: CK8 for two-point suspension and CK10 for four-point suspension.



Figure 14. Hanger Kits

Table 29. Hanger Kit Components		
Option	Component	PN (Quantity)
CK8 (two-point suspension)	Hanger kit package	98509 (1)
	Swivel connector assembly	17627 (2)
	Lockwasher, 3/8	5197 (2)
CK10 (four-point suspension)	Hanger kit package	98511 (1)
	Swivel connector assembly	17627 (4)
	Lockwasher, 3/8	5197 (8)
	Nut, hex, 3/8	1438 (4)

Ceiling Suspension Kit (Option CK22, Models UDX and UDZ, Unit Sizes 30–125)

NOTES:

- The ceiling suspension kit (option CK22, PN 1036357) allows the heater to be installed 1 inch from the ceiling without hanger rods.
- Refer to the ceiling suspension kit installation manual provided with the kit for components and installation instructions.

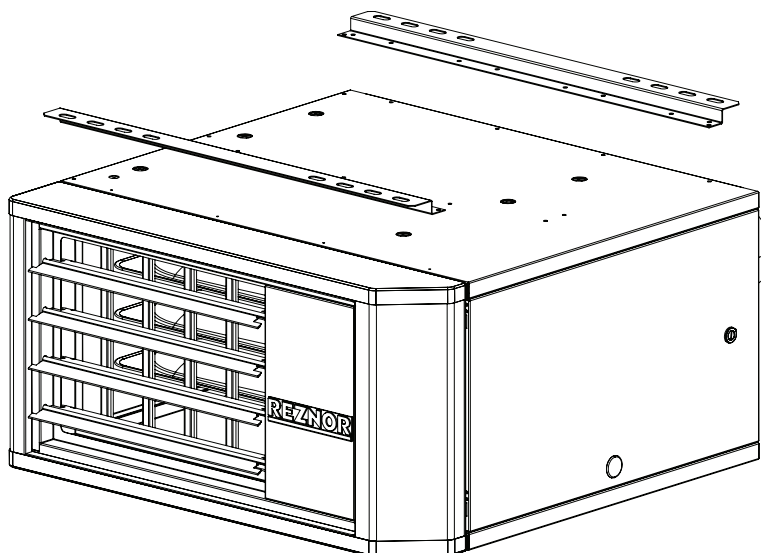


Figure 15. Ceiling Suspension Kit

ACCESSORIES/OPTIONS—CONTINUED

Gas Conversion Kits

NOTE: Refer to the gas conversion kit installation manual provided with the kit for components and installation instructions.

Table 30. Gas Conversion Kits							
Conversion Type	Model	Unit Size (MBTUh)					
		30, 45	60, 75	100, 125	150, 175	200–250	300–400
		Kit PN					
Natural gas to propane	UBX, UBZ	1036541R	1036542R	1036538R	1036539R	1036540R	1036543R
	UDX, UDZ	1036536R	1036537R				
Propane to natural gas	UBX, UBZ	1036544R	1036545R	1036546R	1036547R	1036548R	1036549R
	UDX, UDZ						

Manual Shutoff Valve (Option CE1)



Figure 16. Manual Shutoff Valve Assembly

Table 31. Shutoff Valve Components			
Component	Description	Unit Size (MBTUh)	
		30–200	225–400
		PN	
Shutoff valve assembly	Includes ball valve and union	15971	15972
Ball valve	1/2-inch	196910	—
	3/4-inch	—	196911
Union	1/2-inch	1224	—
	3/4-inch	—	1101

Thermostats (Options CL1 and CL22)

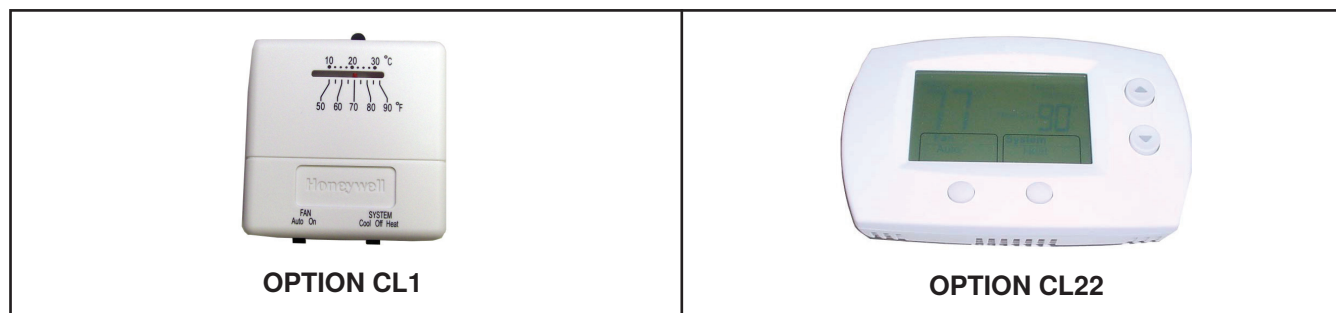


Figure 17. Thermostats

Table 32. Thermostats and Thermostat Accessories			
Option	Component	Description	PN
CL1	Single-stage thermostat	24V, 50–90°F, with fan switch	255350
	Locking cover	Option CM1	257464
CL22	Two-stage thermostat	24V, digital, with fan switch	220630
	Locking cover	Option CM1B	257463

Relay Kits for Multiple Unit Control (Options CL31 and CL32)

NOTES:

- There are two relay kit options for controlling up to five units: CL31 for controlling two units and CL32 for controlling up to three additional units.
- Refer to the relay kit manual provided with the kit for components and installation instructions.

Table 33. Relay Kits			
Model			
UBX, UBZ		UDX, UDZ	
Option*			
CL31	CL32	CL31	CL32
Kit PN			
1041281	1041287	1041288	1041287
*Option CL31 includes components for one control unit and one additional unit. Option CL32 includes components for each additional non-control unit.			

ACCESSORIES/OPTIONS—CONTINUED

Thermostat Bracket Kit (Option CM3)

NOTE: The left side of the bracket (item 4) is secured to the heater using an existing cabinet screw. The right side is secured using the screw (item 5) from the kit.

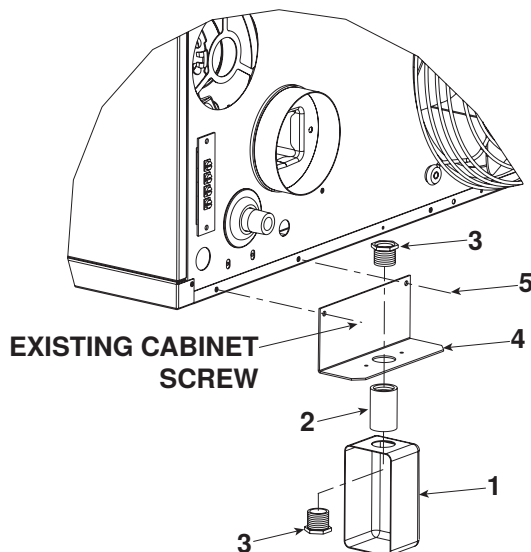


Figure 18. Thermostat Bracket Kit (Refer to Table 34)

Table 34. Thermostat Bracket Kit (PN 197077) Components			
Item No.	Component	PN	Quantity
1	Electrical box, 2 × 4	17782	1
2	Coupling, conduit connector, 1/2	7447	1
3	Chase nipple, 1/2	3618	2
4	Bracket	197072	1
5	Screw, self-drilling	195249	1

