



Bard Wall-Mounted Variable Capacity Environmental Control Unit User Manual

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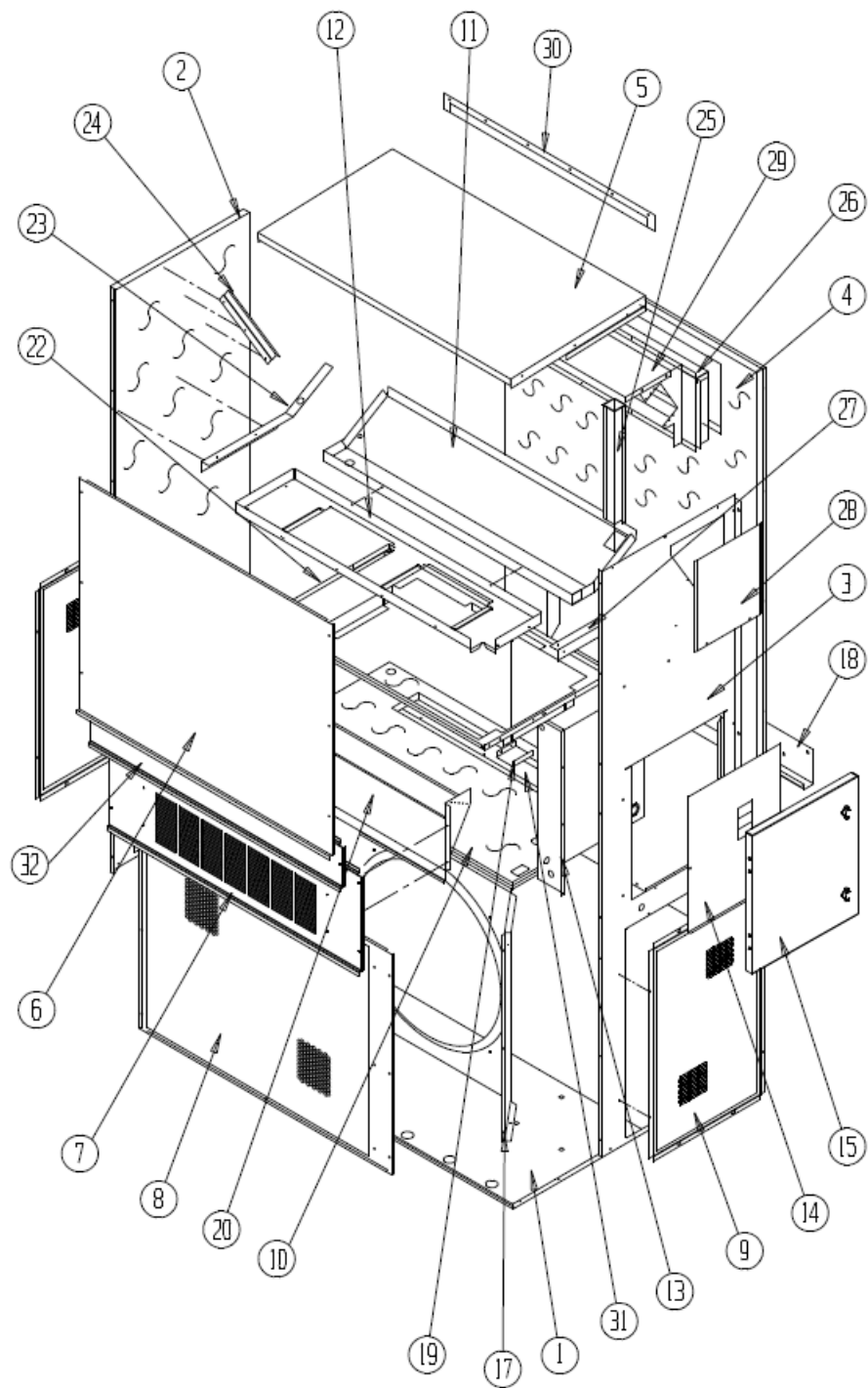


Bard Wall-Mounted Variable Capacity Environmental Control Unit



CABINET COMPONENTS

RIGHT (EXTREME DUTY DOOR)



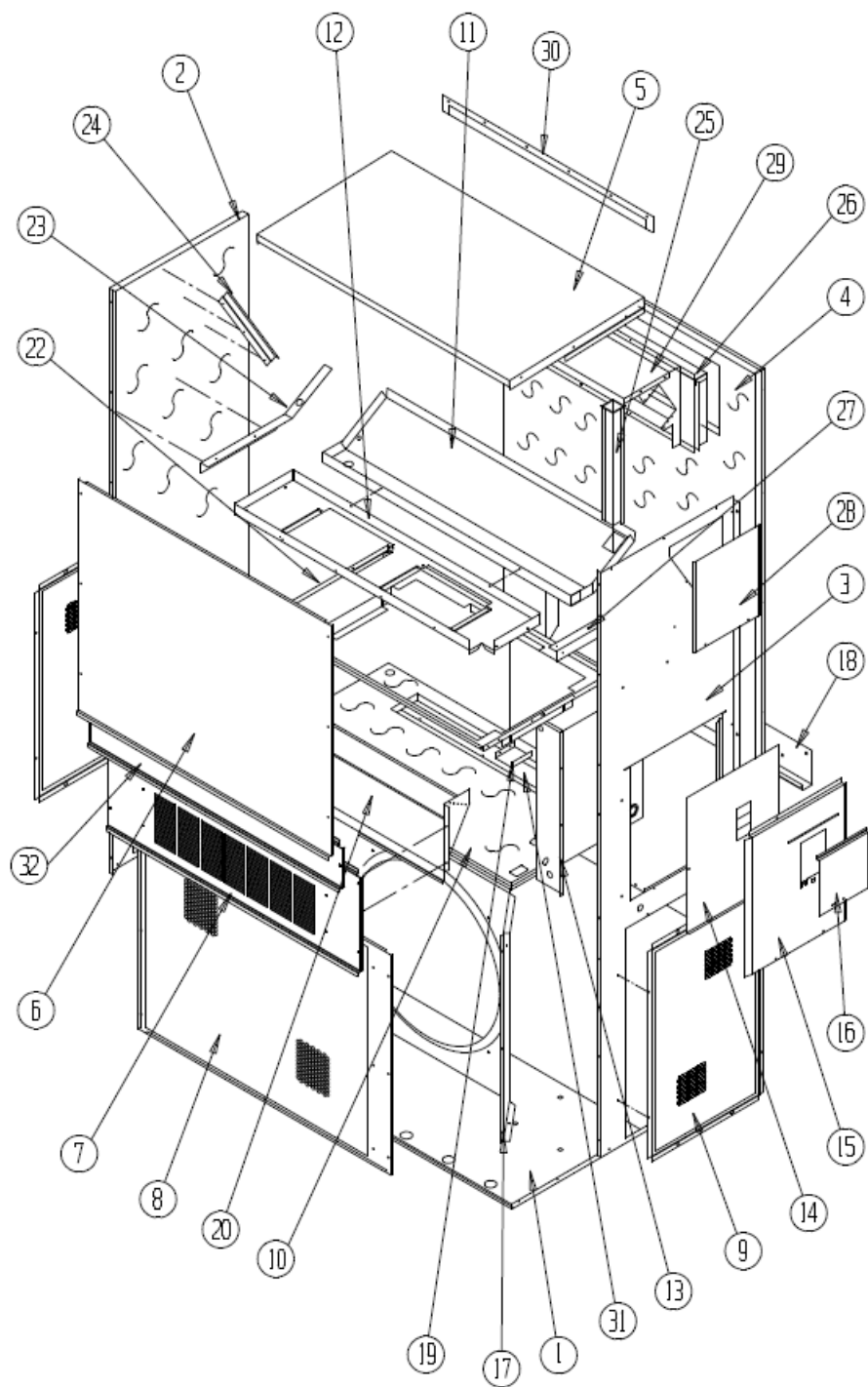
Drawing No.	Part No.	Description	W	W
1 1	S127-425 S127-430	Lower Base Lower Base	X X	X X
2 2 2	S501-819-* S501-822 S501-820	Left Side Left Side Left Side	X X X	X X X

3				
3	S501-861-* S501-862 S501-863	Right Side Right Side Right Side	X X X	X X X
3				
4				
4	S508-129 S508-229 S508-228	Back Back Back	X X X	X X X
4				
5				
5	S507-307-* S507-309 S507-310	Top Top Top	X X X	X X X
5				
6				
6	S515-230-* S514-231 S514-232	Upper Front Upper Front Upper Front	X X X	X X X
6				
7				
7	S553-522-* S552-525 S553-527	Vent Option Door Vent Option Door Vent Option Door	X X X	X X X
7				
8	118-052-*			
8	118-080	Condenser Grille Condenser Grille Condenser Grille	X X X	X X X
8	118-078			
9	118-058-*		2	2
9	118-081	Side Grille Side Grille Side Grille	2	2
9	118-079		2	2
10	S521X462	Condenser Partition	X	X
11	S123-125	Drain Pan	X	X
12	121X463	Blower Partition	X	X
13	Control Panel Assy.	See Control Panel Assy. Dwg. & Parts List	X	X
14				
14	S132-114 S132-344	Control Panel Cover (Inner) Control Panel Cover (Inner)	X	X
15	DDD5A-*			
15	DDD5A-S m	Control Panel Cover (Outer) Control Panel Cover (Outer)	X X	X X

17	125-029			
17	125-059	Fan Shroud Fan Shroud	X X	X X
18	113-140	Bottom Mounting Bracket	X	X
19	S137-1006	Fill	X	X
20	BFAD-5	Fresh Air Damper Assembly	X	X
22	S919-0007	Filter Tray	X	X
23	105X877	Left Side Support	X	X
24	147-046	Left Evaporator Support	X	X
25	135-128	Raceway	X	X
26	S111X034	Outlet Air Frame Assembly	X	X
27	105X878	Right Side Support	X	X
28	S543-172-* S543-176 S543-177	Heater Access Cover Assembly Heater Access Cover Assembly Heater Access Cover Assembly	X X X	X X X
28				
28				
29	135-129	Heat Shield	X	X
30	113-150-*	Top Rain Flashing Top Rain Flashing	X X	X X
30	113-359			
31	S536X610	Condenser Partition Block-Off Plate	X	X
32	S553-521-* S552-526 S553-528	Filter Door Assembly Filter Door Assembly Filter Door Assembly	X X X	X X X
32				
32				
NS	105-1302	Grommet Retainer	X	X

1. EXterior cabinet parts are manufactured with various paint color options. To ensure the proper paint color is received, include the complete model and serial number of the unit for which cabinet parts are being ordered.
2. Exterior cabinet parts are manufactured from aluminum Code "A"
3. Exterior cabinet parts are manufactured from stainless steel Code "S"
4. Exterior cabinet parts are used for both aluminum and stainless steel cabinets NS – Not Shown

RIGHT (MODERATE DUTY DOOR)



Drawing No.	Part No.	Description		
1	S127-425 S127-430	Lower Base Lower Base	X X	X X
1				
2	S501-819-* S501-82 2 S501-820	Left Side Left Side Left Side	X X X	X X X
2				
2				

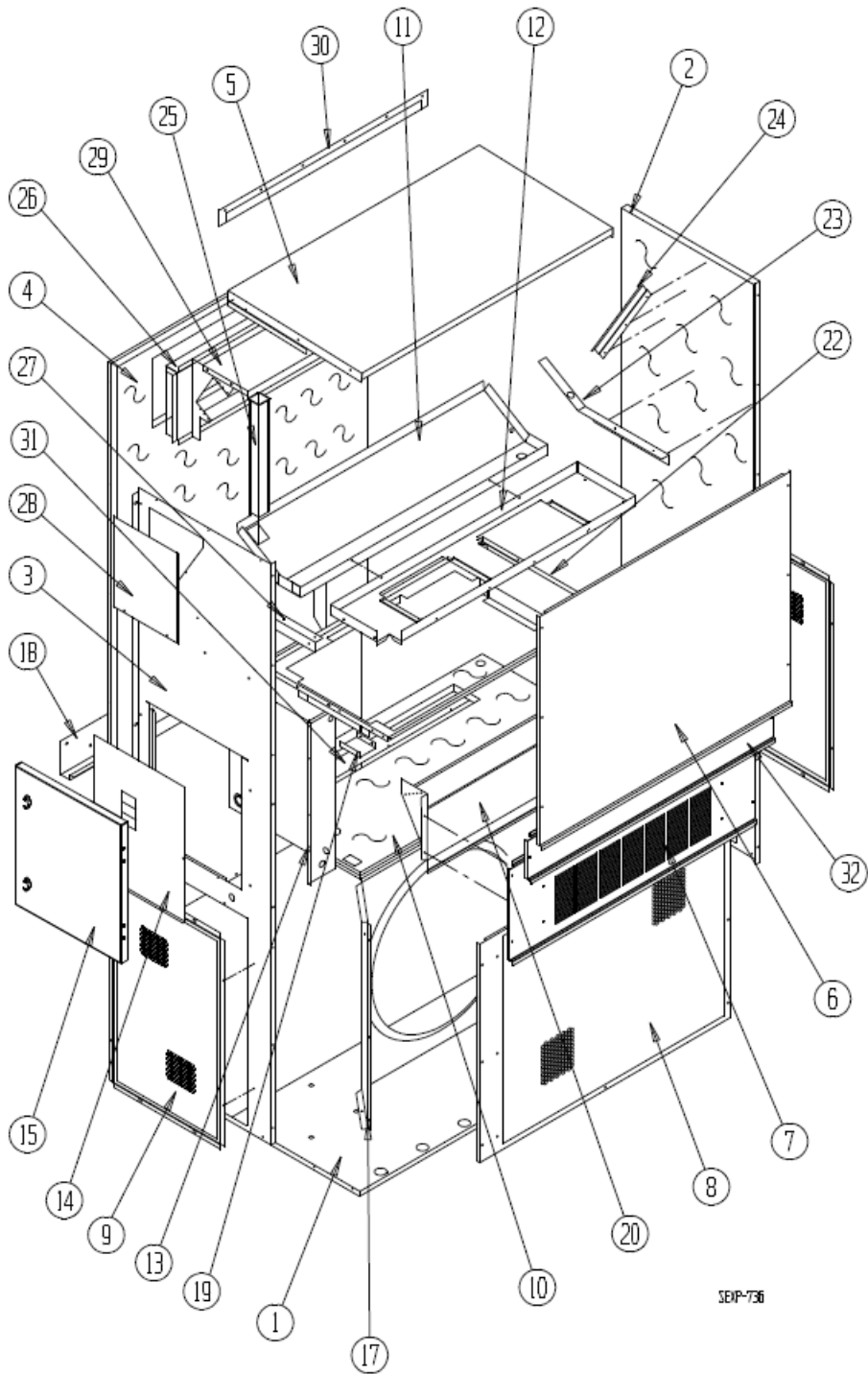
3				
3	S501-818-* S501-823 S501-821	Right Side Right Side Right Side	X X X	X X X
3				
4				
4	S508-129 S508-229 S508-228	Back Back Back	X X X	X X X
4				
5				
5	S507-307-* S507-309 S507-310	Top Top Top	X X X	X X X
5				
6				
6	S515-230-* S514-231 S514-232	Upper Front Upper Front Upper Front	X X X	X X X
6				
7				
7	S553-522-* S552-525 S553-527	Vent Option Door Vent Option Door Vent Option Door	X X X	X X X
7				
8	118-052-*			
8	118-080	Condenser Grille Condenser Grille Condenser Grille	X X X	X X X
8	118-078			
9	118-058-*		2	2
9	118-081	Side Grille Side Grille Side Grille	2	2
9	118-079		2	2
10	S521X462	Condenser Partition	X	X
11	S123-125	Drain Pan	X	X
12	121X463	Blower Partition	X	X
13	Control Panel Assy.	See Control Panel Assy. Dwg. & Parts List	X	X
14				
14	S132-114 S132-344	Control Panel Cover (Inner) Control Panel Cover (Inner)	X	X

15				
15	S533-225-* S533-229 S533-230	Control Panel Cover (Outer) Control Panel Cover (Outer) Control Panel Cover (Outer)	X X X	X X X
16				
16	S153-218-* S153-387 S153-405	Disconnect Access Door Disconnect Access Door Disconnect Access Door	X X X	X X X
17	125-029			
17	125-059	Fan Shroud Fan Shroud	X X	X X
18	113-140	Bottom Mounting Bracket	X	X
19	137-209	Fill	X	X
20	BFAD-5	Fresh Air Damper Assembly	X	X
22	131X099	Filter Tray	X	X
23	105X877	Left Side Support	X	X
24	147-046	Left Evaporator Support	X	X
25	135-128	Raceway	X	X
26	S111X034	Outlet Air Frame Assembly	X	X
27	105X878	Right Side Support	X	X
28				
28	S543-172-* S543-176 S543-177	Heater Access Cover Assembly Heater Access Cover Assembly Heater Access Cover Assembly	X X X	X X X
29	135-129	Heat Shield	X	X
30	113-150-*			
30	113-359	Top Rain Flashing Top Rain Flashing	X X	X X
31	S536X610	Condenser Partition Block-Off Plate	X	X
32				
32	S553-521-* S552-526 S553-528	Filter Door Assembly Filter Door Assembly Filter Door Assembly	X X X	X X X
NS	105-1302	Grommet Retainer	X	X

1. Exterior cabinet parts are manufactured with various paint color options. To ensure the proper paint color is received, include the complete model and serial number of the unit for which cabinet parts are being ordered.

- 2. Exterior cabinet parts are manufactured from aluminum Code “A”
- 3. Exterior cabinet parts are manufactured from stainless steel Code “S”
- 4. Exterior cabinet parts are used for both aluminum and stainless steel cabinets

LEFT (EXTREME DUTY DOOR)



Drawing No.	Part No.	Description		
1	S127Y428	Lower Base	X	X
1	S127Y436	Lower Base	X	X

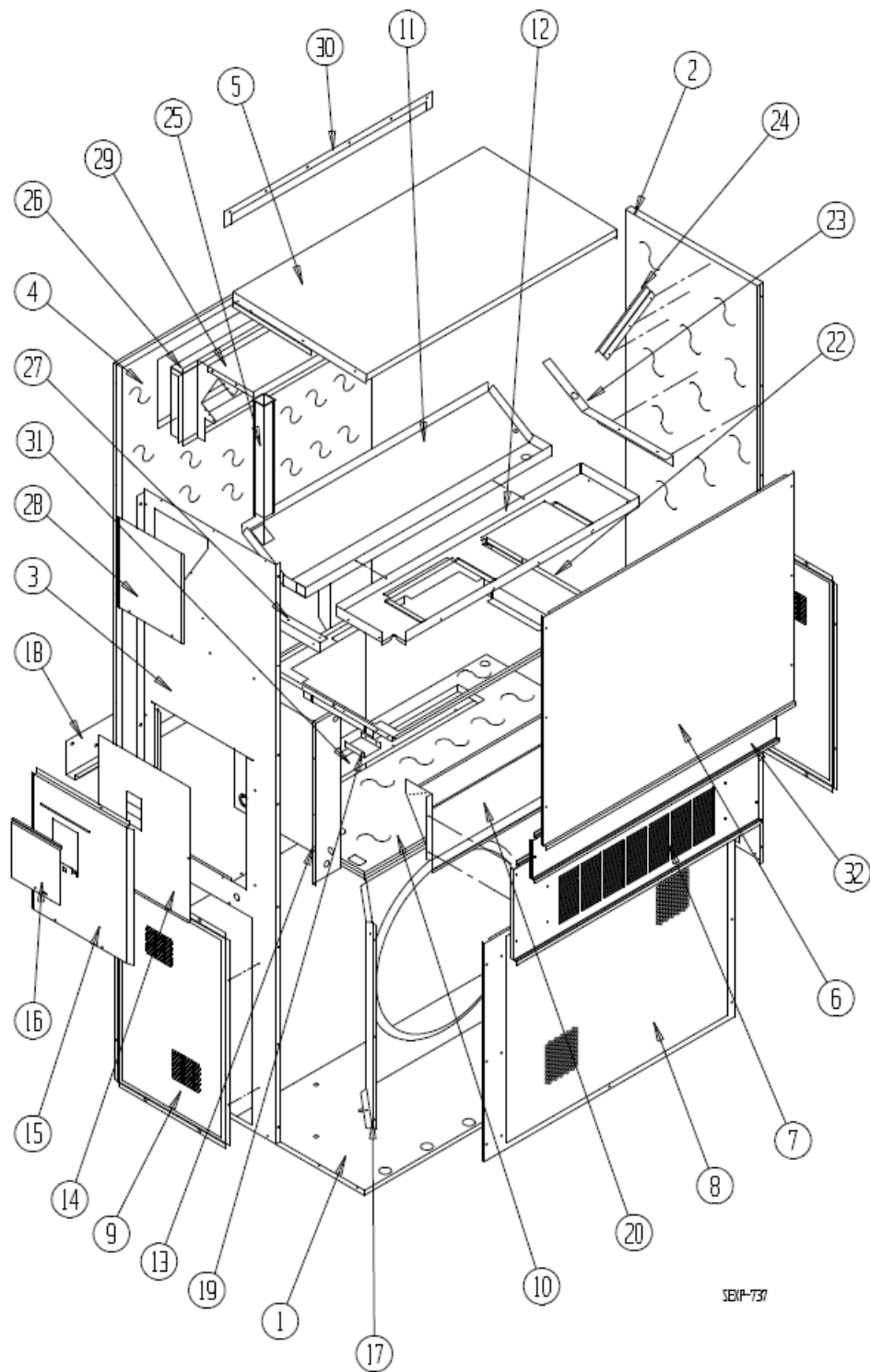
2				
2	S501-830-* S501-835 S501Y833	Right Side Right Side Right Side	X X X	X X X
2				
3				
3	S501-864-* S501-865 S501-866	Left Side Left Side Left Side	X X X	X X X
3				
4				
4	S508-129 S508-229 S508-228	Back Back Back	X X X	X X X
4				
5				
5	S507-307-* S507-309 S507-310	Top Top Top	X X X	X X X
5				
6				
6	S515-230-* S514-231 S514-232	Upper Front Upper Front Upper Front	X X X	X X X
6				
7				
7	S553-522-* S552-525 S553-527	Vent Option Door Vent Option Door Vent Option Door	X X X	X X X
7				
8	118-053-*			
8	118-082	Condenser Grille Condenser Grille Condenser Grille	X X X	X X X
8	118-078			
9	118-058-*		2	2
9	118-081	Side Grille Side Grille Side Grille	2	2
9	118-079		2	2
10	S521Y462	Condenser Partition	X	X
11	123-137	Drain Pan	X	X
12	121Y463	Blower Partition	X	X
13	Control Panel Assembly	See Control Panel Assembly Drawing and Parts List	X	X

14				
14	S133-114 S132-349	Control Panel Cover (Inner) Control Panel Cover (Inner)	X	X
15	DDD5L-*			
15	DDD5L-S m	Control Panel Cover (Outer) Control Panel Cover (Outer)	X X	X X
17	125-029			
17	125-059	Fan Shroud Fan Shroud	X X	X X
18	113-140	Bottom Mounting Bracket	X	X
19	S137-1006	Fill	X	X
20	BFAD-5	Fresh Air Damper Assembly	X	X
22	S919-0010	Filter Tray	X	X
23	105Y878	Left Side Support	X	X
24	147-046	Left Evaporator Support	X	X
25	135-128	Raceway	2	2
26	S111Y034	Outlet Air Frame Assembly	X	X
27	105Y877	Right Side Support	X	X
28				
28	S543-172-* S543-176 S543-177	Heater Access Cover Assembly Heater Access Cover Assembly Heater Access Cover Assembly	X X X	X X X
28				
29	135-129	Heat Shield	X	X
30	113-150-*			
30	113-359	Top Rain Flashing Top Rain Flashing	X X	X X
31	S536Y610	Condenser Partition Block-Off Plate	X	X
32				
32	S553-521-* S552-526 S553-528	Filter Door Assembly Filter Door Assembly Filter Door Assembly	X X X	X X X
32				
NS	105-1302	Grommet Retainer	X	X

1. Exterior cabinet parts are manufactured with various paint color options. To ensure the proper paint color is received, include the complete model and serial number of the unit for which cabinet parts are being ordered.
2. Exterior cabinet parts are manufactured from aluminum Code "A"
3. Exterior cabinet parts are manufactured from stainless steel Code "S"

4. Exterior cabinet parts are used for both aluminum and stainless steel cabinets

LEFT (EXTREME DUTY DOOR)



Drawing No.	Part No.	Description		
1	S127Y428	Lower Base Lower Base	X X	X X
1	S127Y436			

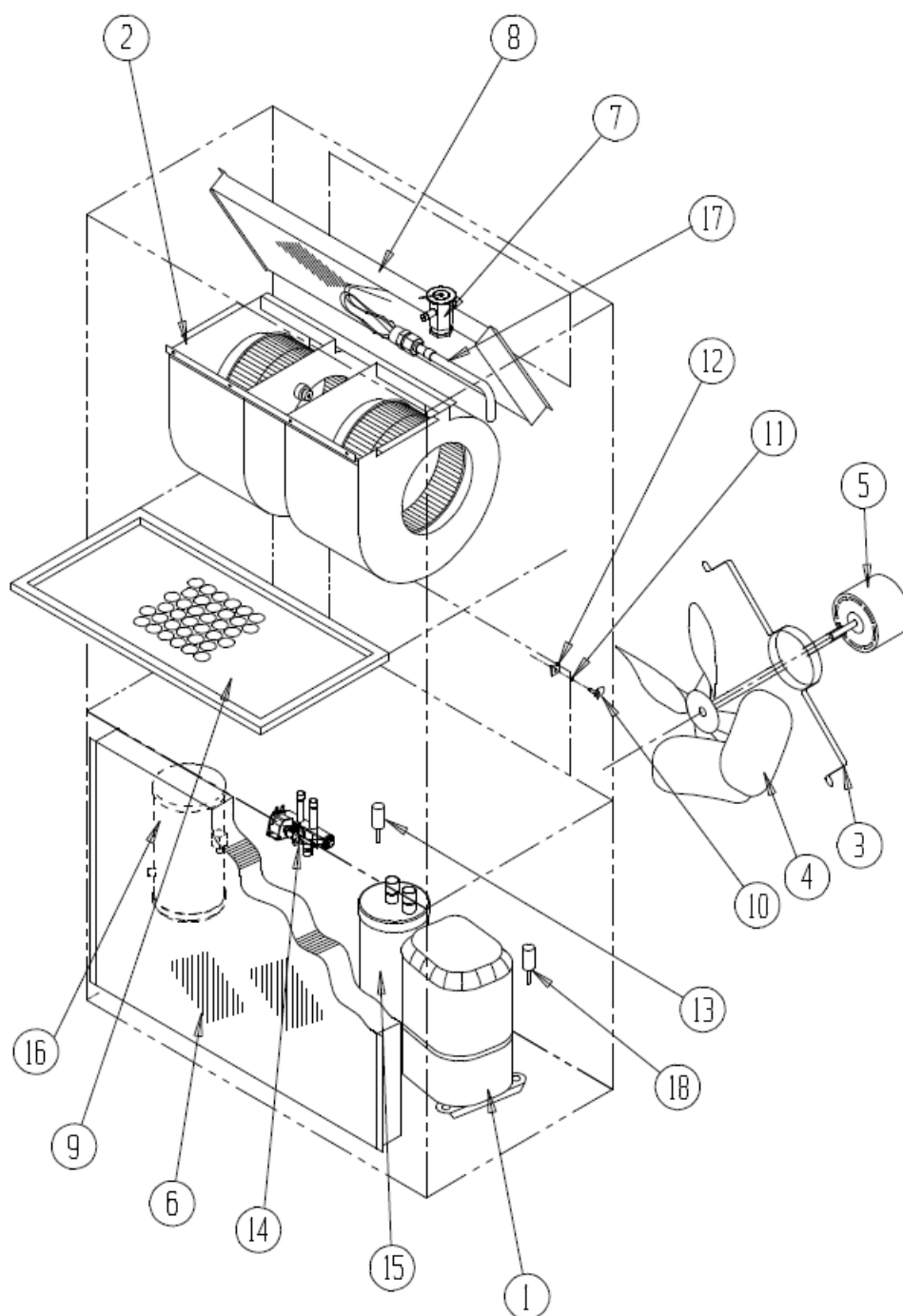
2				
2	S501-830-* S501-835 S501-833	Right Side Right Side Right Side	X X X	X X X
2				
3				
3	S501-831-* S501-834 S501-832	Left Side Left Side Left Side	X X X	X X X
3				
4				
4	S508-129 S508-229 S508-228	Back Back Back	X X X	X X X
4				
5				
5	S507-307-* S507-309 S507-310	Top Top Top	X X X	X X X
5				
6				
6	S515-230-* S514-231 S514-232	Upper Front Upper Front Upper Front	X X X	X X X
6				
7				
7	S553-522-* S552-525 S553-527	Vent Option Door Vent Option Door Vent Option Door	X X X	X X X
7				
8	118-053-*			
8	118-080	Condenser Grille Condenser Grille Condenser G	X X X	X X X
8	118-078	rille		
9	118-058-*		2	2
9	118-081	Side Grille Side Grille Side Grille	2	2
9	118-079		2	2
10	S521Y462	Condenser Partition	X	X
11	123-137	Drain Pan	X	X
12	121Y463	Blower Partition	X	X
13	Control Panel Asse mbly	See Control Panel Assembly Drawing and Parts List	X	X

14				
14	S133-114 S132-349	Control Panel Cover (Inner) Control Panel Cover (Inner)	X	X
15				
15	S533-227-* S533-231 S533-233	Control Panel Cover (Outer) Control Panel Cover (Outer) Control Panel Cover (Outer)	X X X	X X X
15				
16				
16	S153-218-* S153-387 S153-405	Disconnect Access Door Disconnect Access Door Disconnect Access Door	X X X	X X X
16				
17	125-029			
17	125-059	Fan Shroud Fan Shroud	X X	X X
18	113-140	Bottom Mounting Bracket	X	X
19	137-209	Fill	X	X
20	BFAD-5	Fresh Air Damper Assembly	X	X
22	131Y099	Filter Tray	X	X
23	105Y878	Left Side Support	X	X
24	147-046	Left Evaporator Support	X	X
25	135-128	Raceway	2	2
26	S111Y034	Outlet Air Frame Assembly	X	X
27	105Y877	Right Side Support	X	X
28				
28	S543-172-* S543-176 S543-177	Heater Access Cover Assembly Heater Access Cover Assembly Heater Access Cover Assembly	X X X	X X X
28				
29	135-129	Heat Shield	X	X
30	113-150-*			
30	113-359	Top Rain Flashing Top Rain Flashing	X X	X X
31	S536Y610	Condenser Partition Block-Off Plate	X	X
32				
32	S553-521-* S552-526 S553-528	Filter Door Assembly Filter Door Assembly Filter Door Assembly	X X X	X X X
32				
NS	105-1302	Grommet Retainer	X	X

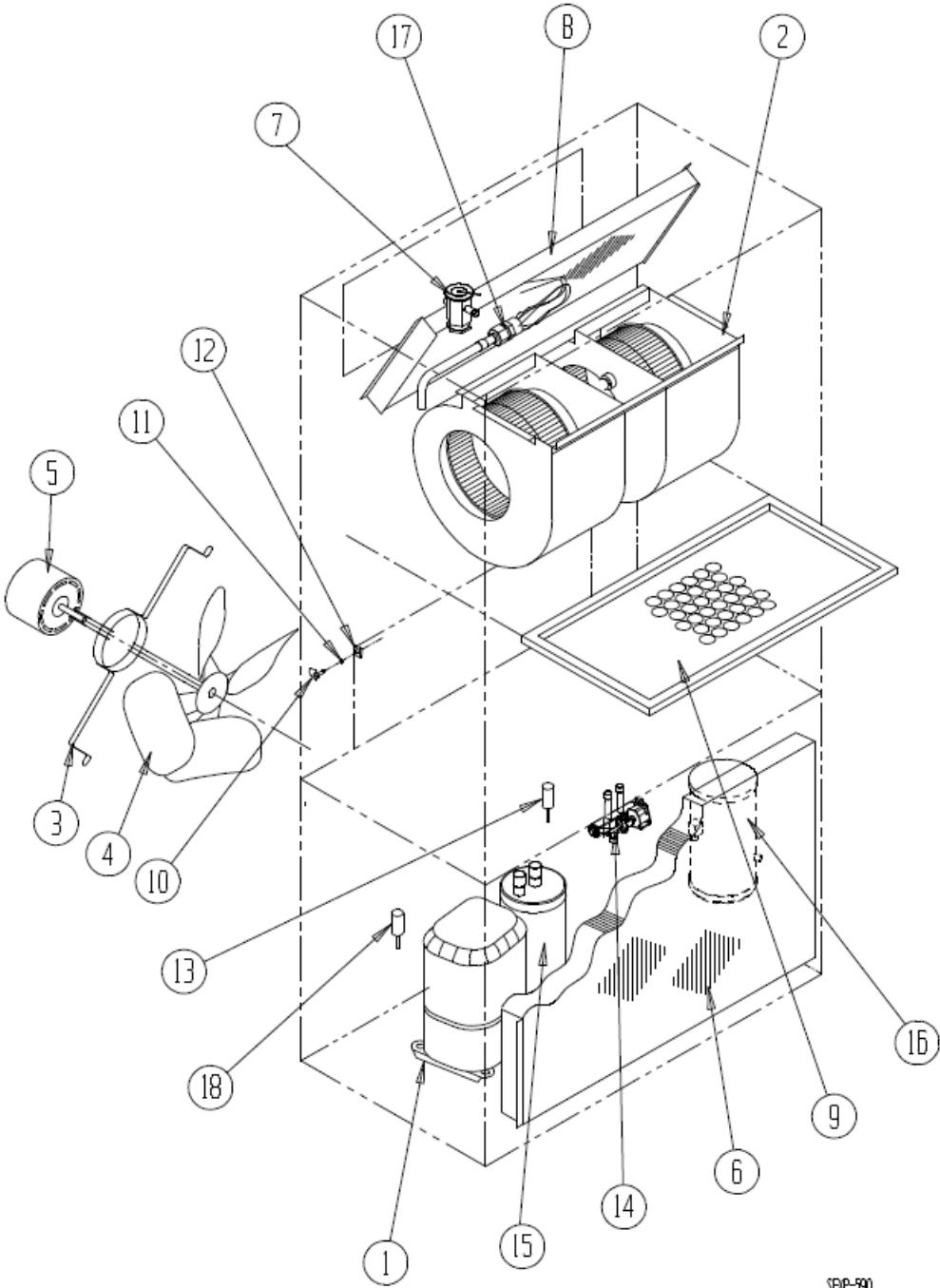
1. Exterior cabinet parts are manufactured with various paint color options. To ensure the proper paint color is received, include the complete model and serial number of the unit for which cabinet parts are being ordered.
2. Exterior cabinet parts are manufactured from aluminum Code "A"
3. Exterior cabinet parts are manufactured from stainless steel Code "S"
4. Exterior cabinet parts are used for both aluminum and stainless steel cabinets

FUNCTIONAL COMPONENTS

RIGHT HAND



LEFT HAND



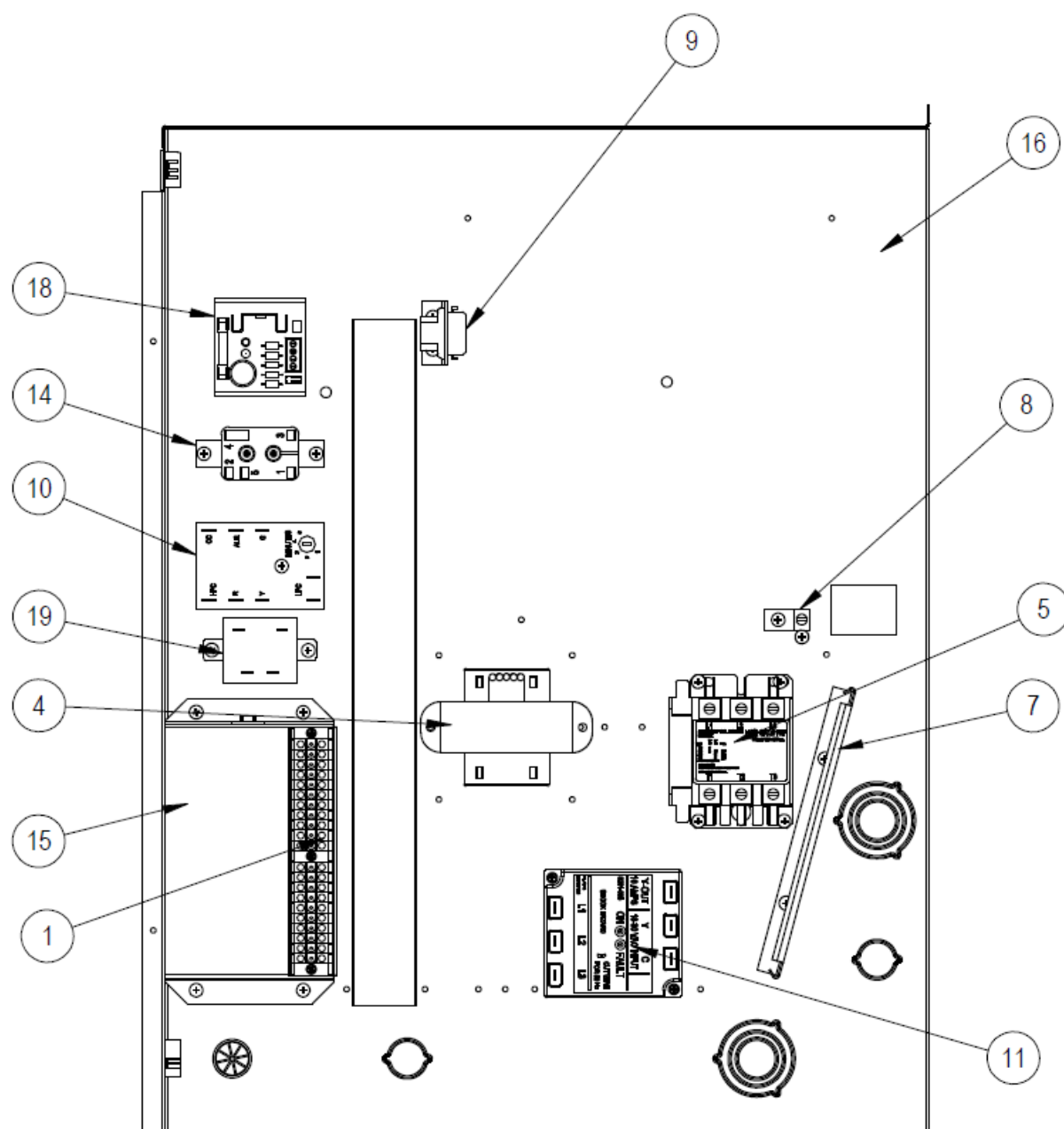
SEP-990

RIGHT & LEFT HAND

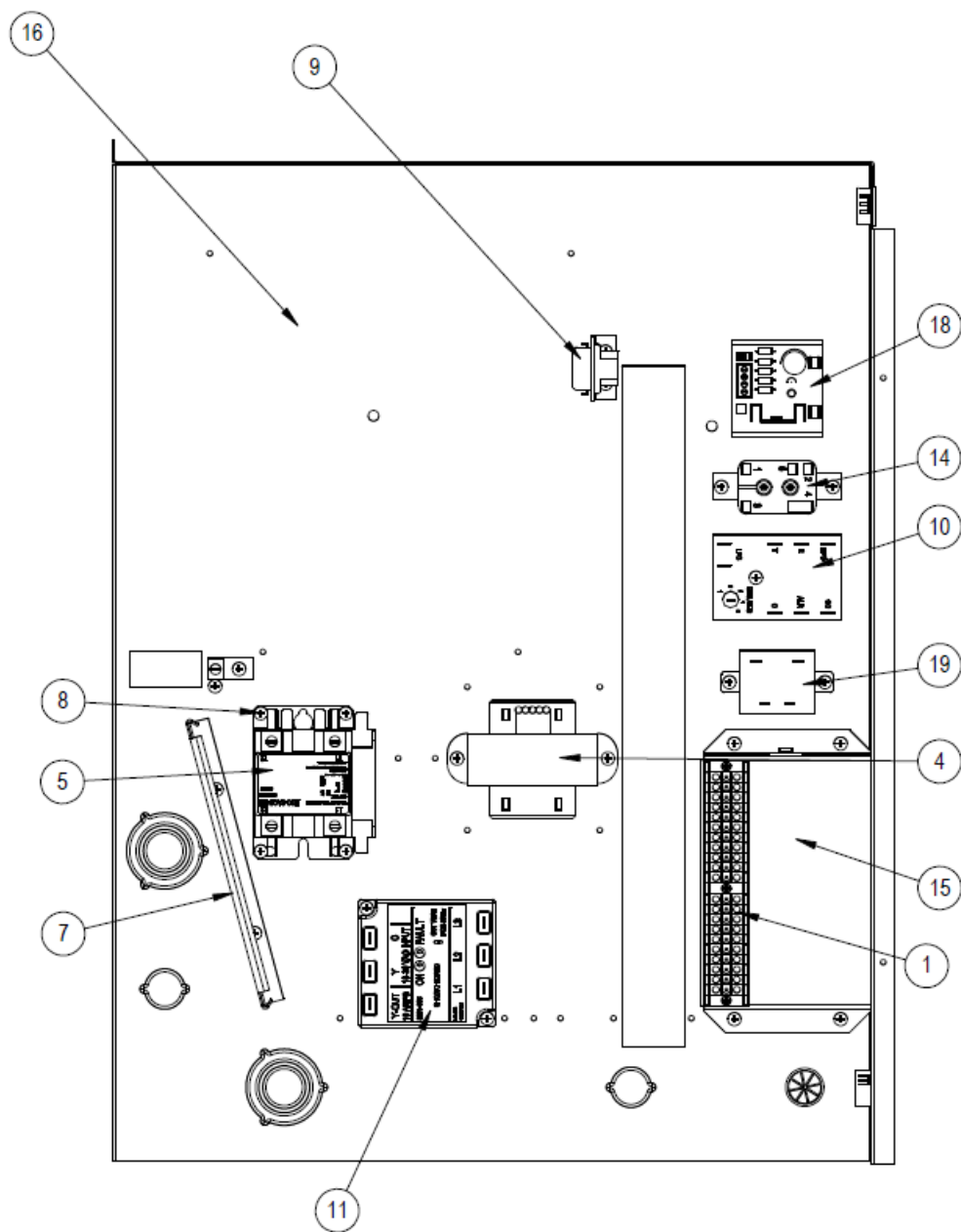
Drawing No.	Part No.	Description				
1	8000-358	Compressor Compressor	X	X	X	X
1	8000-359					
2	S900-340-001 S900-341-001	Blower Assembly Blower Assembly	X	X	X	X
2						
3	8200-004	Fan Motor Mount	X	X	X	X
4	5151-060	Fan Blade	X	X	X	X
5	S8106-061-0132 S8106-058-0133	1/2 HP ECM Motor with Programmed Control 1/2 HP ECM Motor with Programmed Control	X	X	X	X
5						
6	5051-088BX	Condenser Coil	X	X	X	X
7	5651-213	Cooling TXV	X	X	X	X
8	5060-082BX	Evaporator Coil	X	X	X	X
9	7004-016	Air Filter 1" Throw-Away Air Filter 1" Washable Air Filter 2" Pleated	X X X	X X X	X X X	X X X
9	7003-030					
9	7004-027					
10	1171-022	1/4 Turn Fastener	X	X	X	X
11	1171-024	1/4 Turn Retainer	X	X	X	X
12	1171-023	1/4 Turn Receptacle	X	X	X	X
13	8406-142	High Pressure Switch – Red Leads	X	X	X	X
14	5650-049	Solenoid Valve	X	X	X	X
15	5202-018	Accumulator	X	X	X	X
16	5203-007	Receiver	X	X	X	X
17	800-0395	Cooling Distributor Assembly	X	X	X	X
18	8406-135	Low Pressure Switch – Blue Leads	X	X	X	X
NS	5201-002	Filter Drier	X	X	X	X
NS NS	8605-017	Crankcase Heater Crankcase Heate	X	X	X	X
	8605-018					
NS	8408-039	Discharge Line Thermostat	X	X	X	X
NS	8406-128	Pressure Transducer	X	X	X	X
NS	5451-024	Grommet Retainer	2	2	2	2

CONTROL PANEL

RIGHT HAND



LEFT HAND

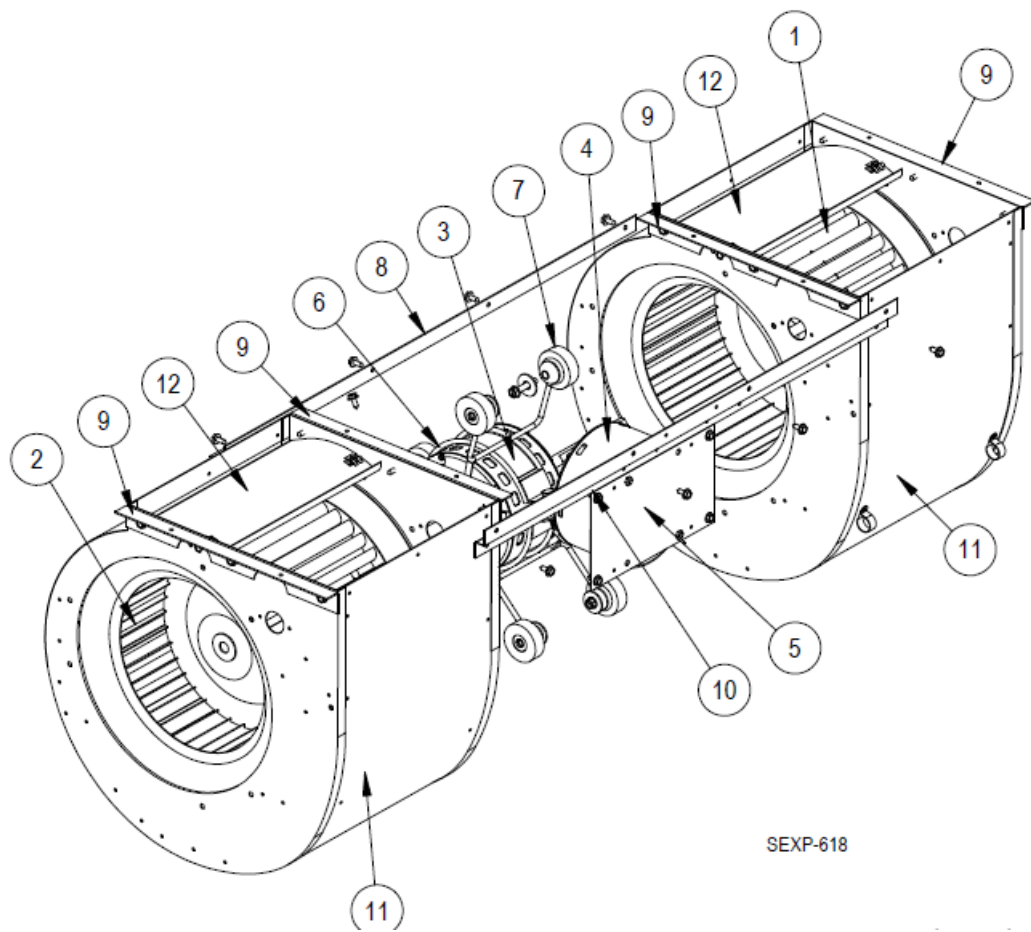


RIGHT & LEFT HAND

Drawing No.	Part No.	Description				
1	8607-036	Low Voltage Terminal Strip	X	X	X	X
4	8407-071	Transformer Transformer	X	X	X	X
4	8407-072					
5	8401-037	Compressor Contactor	X	X	X	X
7	135-130	Wire Shield	X	X	X	X
8	8611-006	Ground Terminal	X	X	X	X
9	3000-1463	6 Pin Connector	X	X	X	X
10	S8201-169	Compressor Control Module	X	X	X	X
11	8201-126	Phase Monitor	X	X	X	X
14	8201-062	Alarm Relay	X	X	X	X
15	S117-350	Low Voltage Box	X	X	X	X
16	117X351	Control Panel Control Panel	X	X	X	X
16	117Y351					
18	8301-041	5VDC Supply	X	X	X	X
19	8201-149	Solid State Relay	X	X	X	X
NS	8301-014	Outdoor Air Sensor	X	X	X	X
NS	8403-066	Thermostat Controller	X	X	X	X
NS	8615-043	Circuit Breaker 40A 3 Pole (Opt)	X		X	
NS	8615-101	Toggle Disconnect (Optional)		X		X
NS NS	3000-1361 3000-1230	Pressure Transducer Harness Compressor Harnes s	X X	X X	X X	X X
NS NS	4095-275 4095-375	Wiring Diagram Wiring Diagram	X	X	X	X

Circuit breakers listed are for units without electric heat “0Z” models. See Heater Replacement Parts Manual for units with electric heat.

BLOWER ASSEMBLY

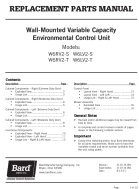


SEXP-618

Drawing No.	Part No.	Description	900-340-001	
			900-341-001	
1	5152-011	Wheel (CW)	X	X
2	5152-012	Wheel (CCW)	X	X
3 3	S8107-023-0130 S81 07-024-0131	Programmed Motor w/Control Programmed Motor w/Control	X	X
4 4	C8107-023-0130 C81 07-024-0131	Control Only Control Only	X	X
5	112-344	Blower Motor Control Mount	X	X
6	8200-040	Motor Mount	X	X
7	5451-011	Grommets	6	6
8	105-881	Back Brace	X	X
9	105-880	Blower Angle	4	4
10	103-389	Front Brace	X	X
11	151-101	Blower Housing	2	2
12	144-166	Diffuser	2	2



Documents / Resources

	Bard Wall-Mounted Variable Capacity Environmental Control Unit [pdf] User Manual Wall-Mounted Variable Capacity Environmental Control Unit, W6RV2-S, W6RV2-T, W6LV2-S, W6LV2-T
	Bard Wall-Mounted Variable Capacity Environmental Control Unit [pdf] User Manual Bard, W6RV2-S, W6RV2-T, W6LV2-S, W6LV2-T, Wall-Mounted Variable Capacity, Environment al Control Unit

References

-  [Bard Manufacturing](#) | [Bard Manufacturing](#)