
REPLACEMENT PARTS MANUAL

WALL MOUNTED PACKAGE HEAT PUMPS

Models: **WH302D**
WH362D

General Notes

- Revised and/or additional pages may be issued from time to time.
- A complete and current manual consists of pages shown in the following contents section.

Important

- Contact the installing and/or local Bard distributor for all parts requirements. Make sure you have the complete model and serial number available from the unit rating plate.

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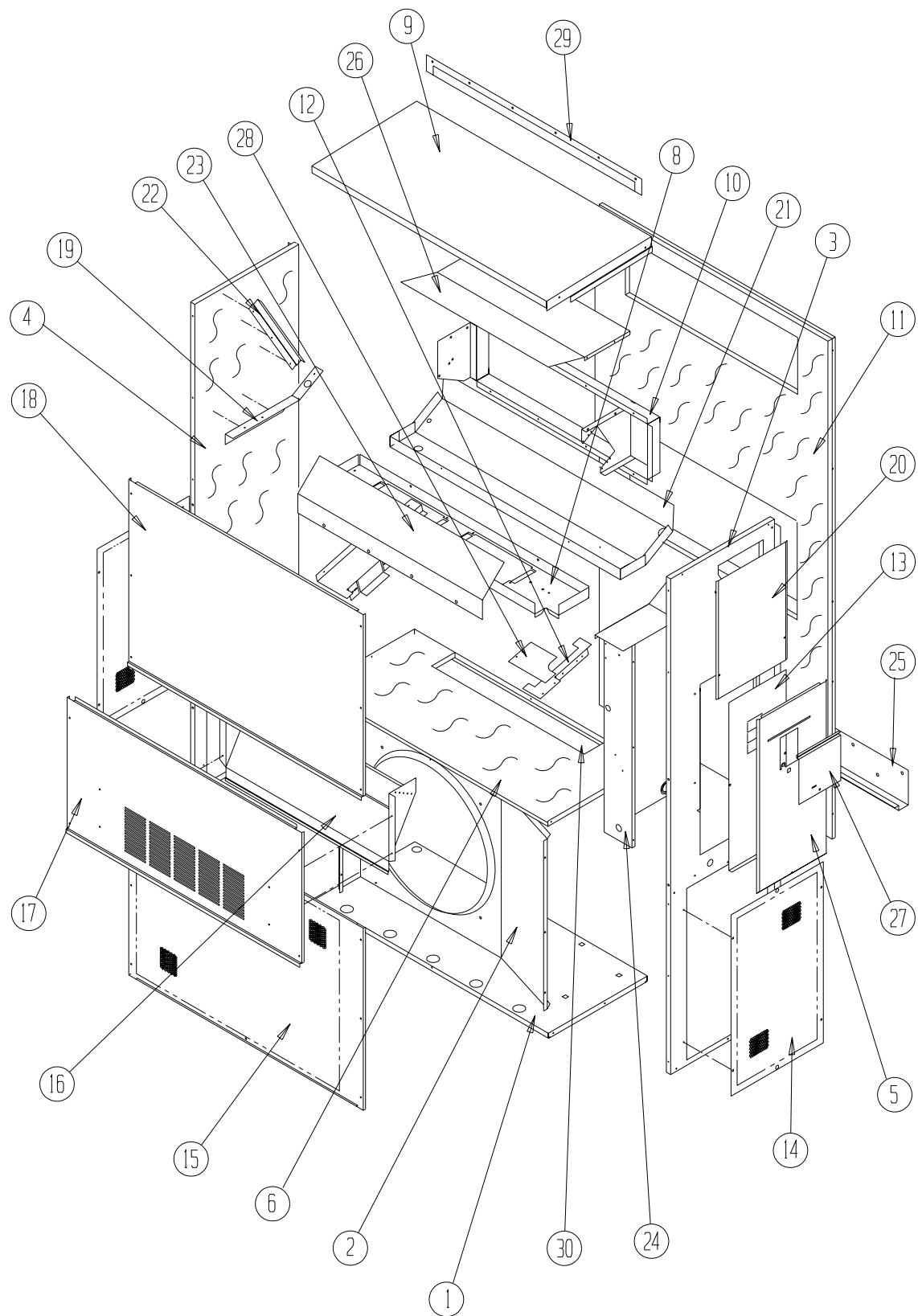


BARD MANUFACTURING COMPANY
Bryan, Ohio 43506

Since 1914...Moving ahead, just as planned.

Manual: 2110-554C
Supersedes: 2110-554B
File: Tab 17
Date: 12-14-05

CABINET COMPONENTS



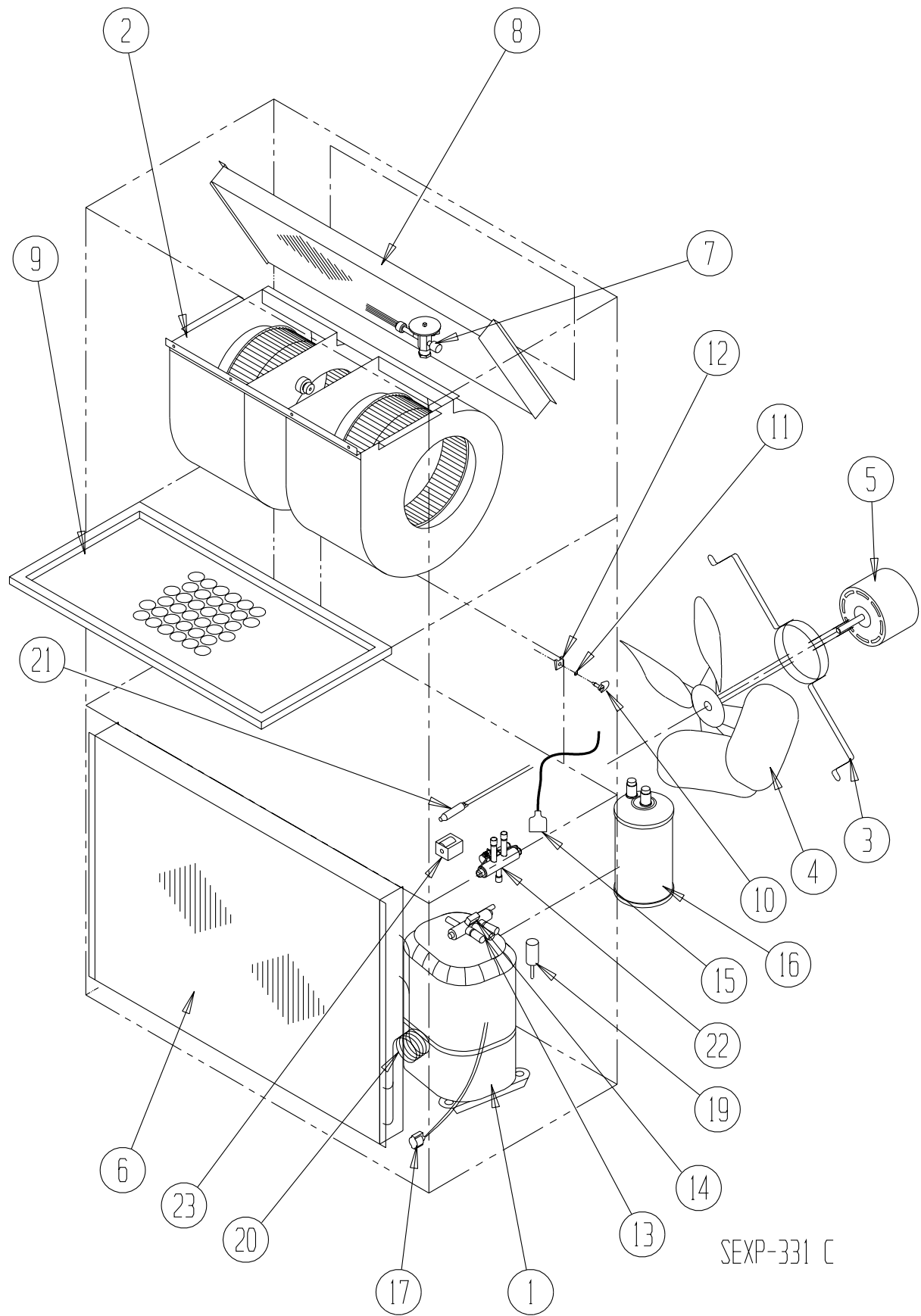
SEXP-160

CABINET COMPONENTS

Drawing No.	Part No.	Description	WH302DA, DB	WH302DC	WH362DA, DB	WH362DC
1	S127-199	Lower Base	X	X	X	X
2	125-022	Fan Shroud	X	X	X	X
3	S500-228-* ①	Right Side	X	X	X	X
4	S500-229-* ①	Left Side	X	X	X	X
5	S533-109-* ①	Control Panel Cover (Outer)	X	X	X	X
6	521-331	Condenser Partition	X	X	X	X
8	121-182	Blower Partition	X	X	X	X
9	S506-130-* ①	Top	X	X	X	X
10	S111-030	Outlet Airframe Assembly	X	X	X	X
11	S508-088	Back	X	X	X	X
12	113-195	Filter Bracket	X	X	X	X
13	S133-104	Control Panel Cover (Inner)	X		X	
13	S133-110	Control Panel Cover (Inner)		X		X
14	118-056-* ①	Side Grille	2	2	2	2
15	118-059-* ①	Condenser Grille	X	X	X	X
16	BFAD-3	Fresh Air Damper Assembly	X	X	X	X
17	S552-206-* ①	Service Door	X	X	X	X
18	S514-072-* ①	Upper Front	X	X	X	X
19	105-850	Left Side Support	X	X	X	X
20	143-034-* ①	Right Side Cover Plate (Outer)	X	X	X	X
21	S123-078	Drain Pan	X	X	X	X
22	147-044-* ①	Left Evaporator Support	X	X	X	X
23	135-124	Air Baffle	X	X	X	X
24	Control Panel Assy	See Control Panel Assembly Drawing	X	X	X	X
25	113-140	Bottom Mounting Bracket	1	1	1	1
26	135-123	Heat Shield	X	X	X	X
27	S153-218-* ①	Disconnect Access Door	X	X	X	X
28	137-259	Fill Plate	X	X	X	X
29	113-149-* ①	Top Rain Flashing	X	X	X	X
30	536-155	Blank Off Plate	X	X	X	X

- ① Exterior cabinet parts are manufactured with various paint color options. To insure that you receive the proper paint color, you must include the complete model and serial number of the unit for which cabinet parts are being ordered.

FUNCTIONAL COMPONENTS



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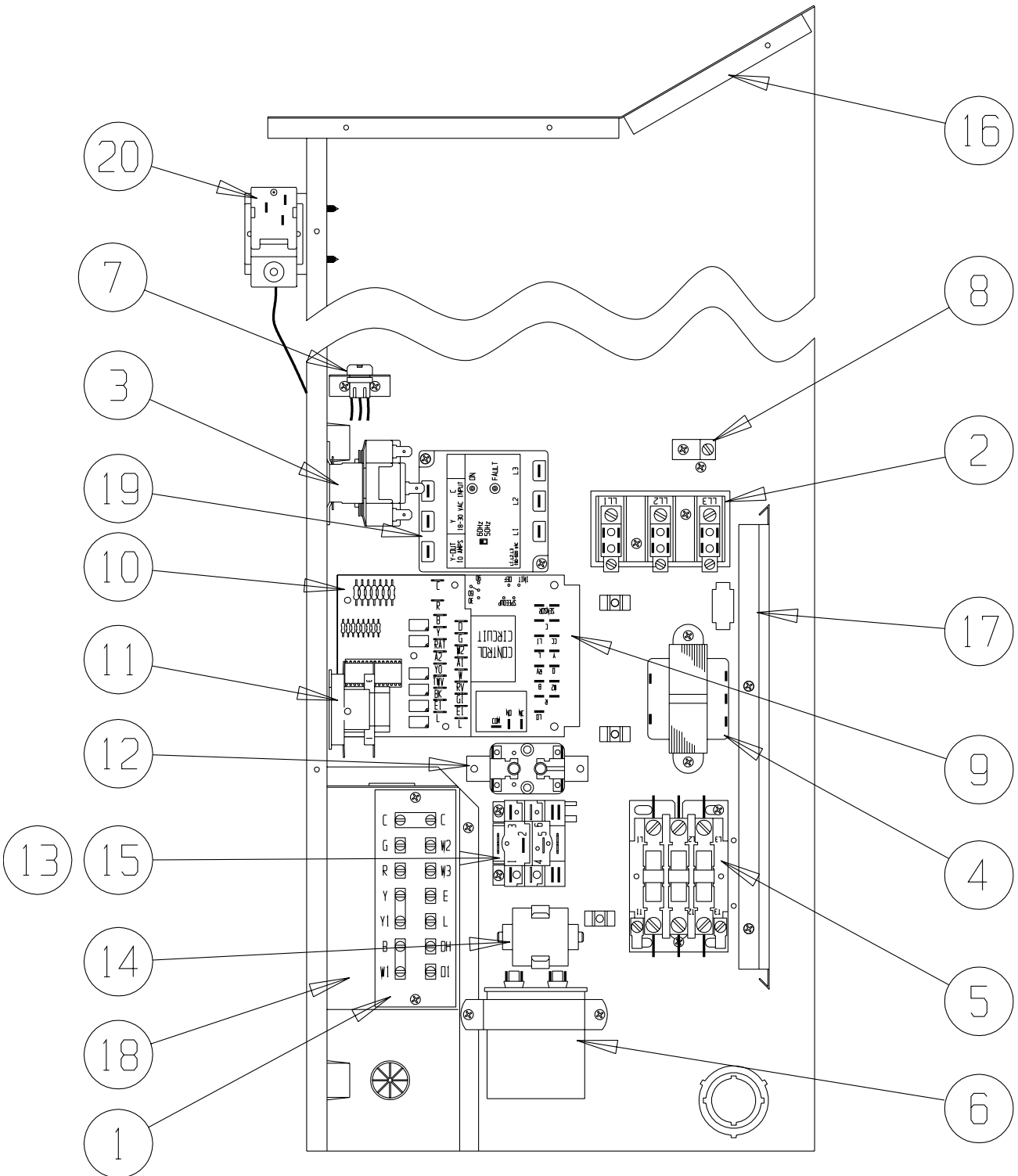
FUNCTIONAL COMPONENTS

Drawing No.	Part No.	Description	WH302DA	WH302DB	WH302DC	WH362DA	WH362DB	WH362DC
1	8000-132	Compressor	X					
1	8000-135	Compressor		X				
1	8000-136	Compressor			X			
1	8000-125	Compressor				X		
1	8000-133	Compressor					X	
1	8000-134	Compressor						X
2	S900-179	Blower Assembly	X	X		X	X	
2	S900-180	Blower Assembly			X			X
3	8202-001	Fan Motor Mount	X	X	X	X	X	X
4	5151-045	Fan Blade	X	X	X	X	X	X
5	8103-013	Condenser Motor	X	X		X	X	
5	8103-020	Condenser Motor			X			X
6	5051-113	Condenser Coil	X	X	X			
6	5051-112	Condenser Coil				X	X	X
7	5651-156	TXV - Cooling	X	X	X	X	X	X
8	917-0043	Evaporator Coil Assembly	X	X	X	X	X	X
9	7004-019	Air Filter 1" Throw-Away	X	X	X	X	X	X
9	7003-031	Air Filter 1" Washable	X	X	X	X	X	X
9	7004-026	Air Filter 2" Pleated	X	X	X	X	X	X
10	1171-022	1/4 Turn Fastener	X	X	X	X	X	X
11	1171-024	1/4 Turn Retainer	X	X	X	X	X	X
12	1171-023	1/4 Receptacle	X	X	X	X	X	X
13	5650-039	Reversing Valve	X	X	X	X	X	X
14	5650-042	Rev. Valve Solenoid, Red Casing (Ranco)	X	X	X	X	X	X
14	5650-043	Rev. Valve Solenoid, Black Casing (Wilspec)						
14	5650-046	Rev. Valve Solenoid, Black Casing (San Hua)						
15	5650-037	Molded Plug 36" Lead	2	2	2	2	2	2
16	5202-022	Accumulator	X	X	X	X	X	X
17	8408-027	Defrost Sensor	X	X	X	X	X	X
18	8406-055	High Pressure Switch (Solder)	X	X	X	X	X	X
19	800-0278	Heating Distributor Assembly				X	X	X
19	800-0298	Heating Distributor Assembly	X	X	X			
20	800-0277	Drain Back Assembly	X	X	X	X	X	X
21	5650-045	Three Way Valve	X	X	X	X	X	X
22	5650-042	Rev. Valve Solenoid, Red Casing (Ranco)	X	X	X	X	X	X
22	5650-043	Rev. Valve Solenoid, Black Casing (Wilspec)						
22	5650-046	Rev. Valve Solenoid, Black Casing (San Hua)						
NS	1804-0106	High Pressure Switch (Flare) (Optional)	X	X	X	X	X	X
NS	1804-0107	Low Pressure Switch (Flare) (Optional)	X	X	X	X	X	X
NS	CMA-6	Low Ambient Control (Flare) (Optional)	X	X	X	X	X	X

NS = Not Shown

Opt. = Optional

CONTROL PANEL COMPONENTS



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CONTROL PANEL COMPONENTS

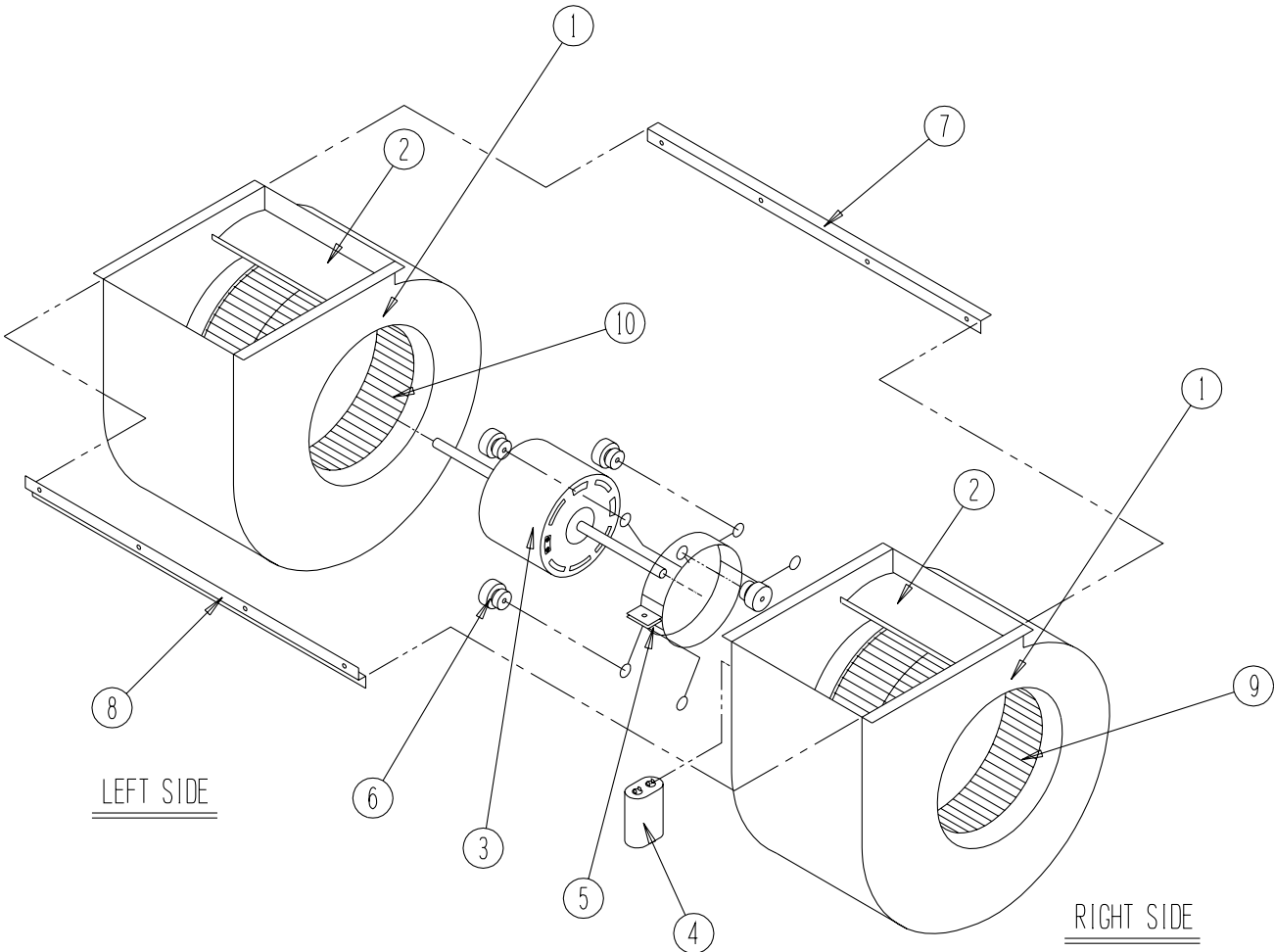


Drawing No.	Part No.	Description	WH302DA	WH302DB	WH302DC	WH362DA	WH362DB	WH362DC
1	8607-019	Low Voltage Terminal Strip	X	X	X	X	X	X
2	8607-013	Terminal Block 2 Pole	X			X		
2	8607-014	Terminal Block 3 Pole		X	X		X	X
2	8607-015	Phenolic Insulator			X			X
3	8201-032	Blower Relay			X			X
3	8201-056	Blower Control	X	X		X	X	
4	8407-048	Transformer	X	X		X	X	
4	8407-042	Transformer			X			X
5	8401-007	Compressor Contactor	X			X		
5	8401-002	Compressor Contactor		X	X		X	X
6	8552-048	Compressor Capacitor	X					
6	8552-050	Compressor Capacitor				X		
6	8552-002	Outdoor Motor Capacitor		X	X		X	X
7	3000-1166	6 Pin Connector	X	X	X	X	X	X
8	8611-006	Ground Terminal	X	X	X	X	X	X
9	8201-101	Heat Pump Control Board	X	X	X	X	X	X
10	8201-092	Dehumidification Logic Board	X	X	X	X	X	X
11	8201-065	Low Pressure Bypass TDR ①	X	X	X	X	X	X
12	8201-009	LAC Bypass Relay ①	X	X	X	X	X	X
13	8607-017	LAC Terminal Block ①	X	X	X	X	X	X
14	8551-004	Start Device ①	X			X		
15	8201-032	Outdoor Fan Relay			X			X
16	S517X137	Control Panel Top	X	X	X	X	X	X
17	135-122	Wire Shield	X	X	X	X	X	X
18	117X232	Control Panel	X	X	X	X	X	X
NS	4096-130	Wiring Diagram	X			X		
NS	4096-231	Wiring Diagram		X			X	
NS	4096-332	Wiring Diagram			X			X

NS = Not Shown

① = Optional

BLOWER ASSEMBLY



SEXP-346

Drawing No.	Part No.	Description	900-231	900-232
1	151-111	Blower Housing	2	2
2	144-174	Diffuser	2	2
3	8105-029	Blower Motor (230/208)	X	
3	8105-033	Blower Motor (460)		X
4	8552-002	Capacitor	X	X
5	8200-031	Motor Mount	X	X
6	5451-011	Grommets	6	6
7	105-870	Back Brace	X	X
8	103-401	Front Brace	X	X
9	5152-090	Wheel (CW)	X	X
10	5152-091	Wheel (CCW)	X	X