Replacement Parts Manual

WALL MOUNTED PACKAGE HEAT PUMPS

MODEL: WH381

WH431

WH491

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

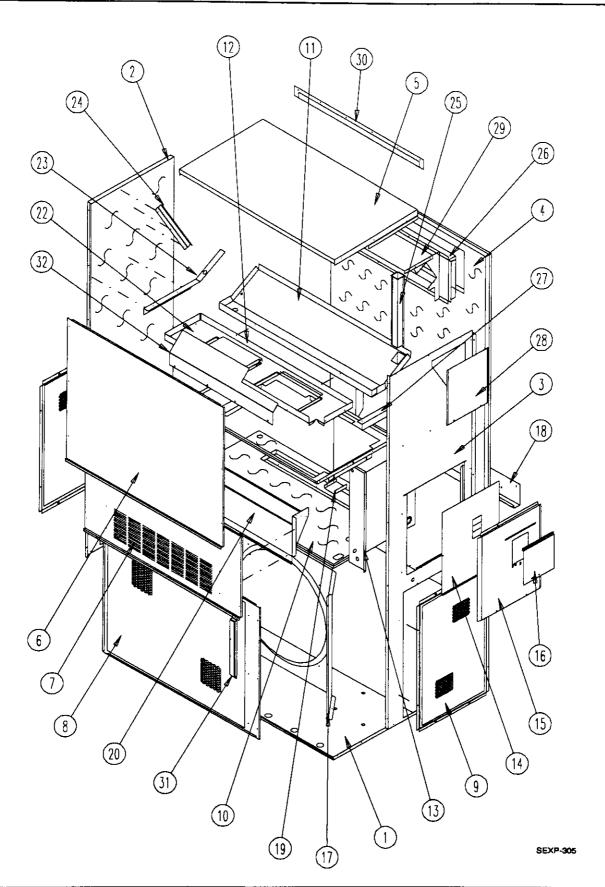
Contact the installing and/or local Bard distributor for all parts requirements. Make sure you have the complete model and serial number available from the unit rating plates.

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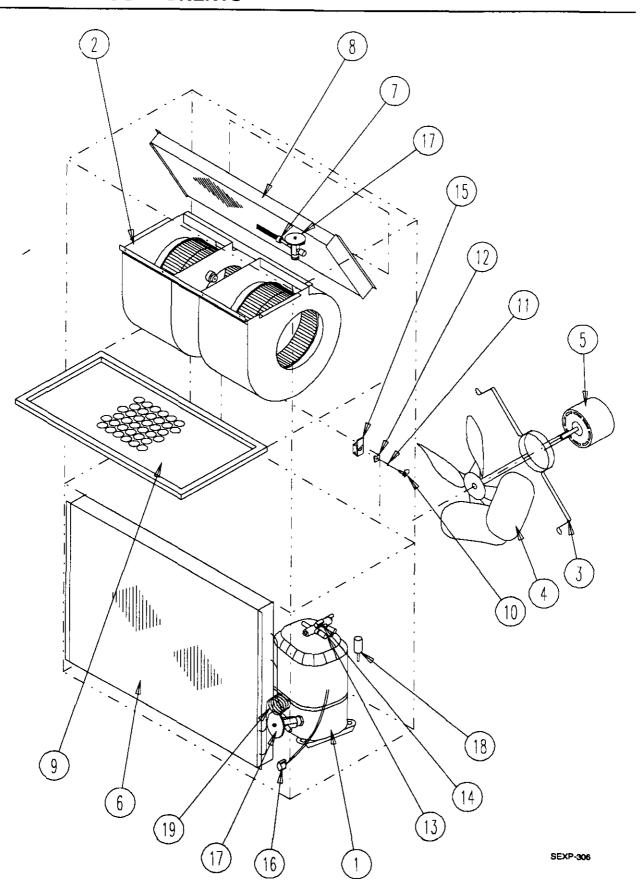
Manual: 2110-525A File: Tab 17 Date: 09-09-98



Dwg No.	Part No.	Description	WH381-A, B	WH381-C	WH431-A, B	WH431-C	WH491-A, B	WH491-C
1	S127-299	Lower Base	X	X	Х	Х	X	X
2	S500-562-* ①	Left Side	Х	X	X	X	X	X
3	S500-261-* ①	Right Side	Х	Х	Х	Х	Х	Х
4	S609-098	Back	X	X	Х	X	Х	X
5	S506-142-* ①	Тор	X	Х	Х	X	Х	Х
6	S514-077-* ①	Upper Front	X	Х	Х	Х	Х	Х
7	S552-224-* ①	Service Door	Х	X	Х	Х	X	X
8	118-044-* ①	Condenser Grille	Х	Х	X	Х	Х	X
9	118-032-* ①	Side Grille	2	2	2	2	2	2
10	S521X258	Condenser Partition	Х	X	Х	X	Х	Х
11	123-102	Drain Pan	Х	Х	Х	Х	Х	X
12	121X216	Blower Partition	X	X	X	Х	Х	Х
13	Control Panel	See Control Panel Assembly	Х	×	X	Х	Х	Х
	Assembly	Drawing and Parts List						
14	S133-114	Control Panel Cover (Inner)	X		X		X	i -
14	S133-115	Control Panel Cover (Inner)		X		х		x
15	S533-113-* ①	Control Panel Cover (Outer)	X	Х	Х	Х	Х	Х
16	S153-322-* ①	Disconnect Access Door	X	Х	Х	Х	Х	Х
17	125-036	Fan Shroud	Х	Х	Х	Х	Х	Х
18	113-140	Bottom Mounting Bracket	Х	Х	Х	Х	Х	X
19	137-209	Fill	Х	Х	X	Х	Х	X
20	960024	Fresh Air Damper Assembly	X	Х	Х	Х	Х	Х
22	131X099	Filter Tray	X	X	Х	Х	X	X
23	105X877	Left Side Support	X	Х	Х	Х	Х	Х
24	147-046-* ①	Left Evaporator Support	X	Х	X	Х	Х	Х
25	135-128	Raceway	2	2	2	2	2	2
26	111X034	Outlet Airframe Assembly	Х	Х	Х	Х	Х	Х
27	105X878	Right Side Support	Х	Х	Х	Х	X	Х
28	143-042-* ①	Right Side Cover Plate (Outer)	X	Х	Х	X	Х	Х
29	135-129	Heat Shield	Х	Х	Х	Х	Х	Х
30	113-150-* ①	Top Rain Flashing	Х	Х	Х	Х	Х	Х
31	113-259-* ①	Thermostat Shield	Х	Х	Х	Χ	Х	X
32	135-175	Air Baffle	Х	Х	Х	Х	Х	Х

① Exteriorcabinet 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 shich cabinet parts are being ordered.

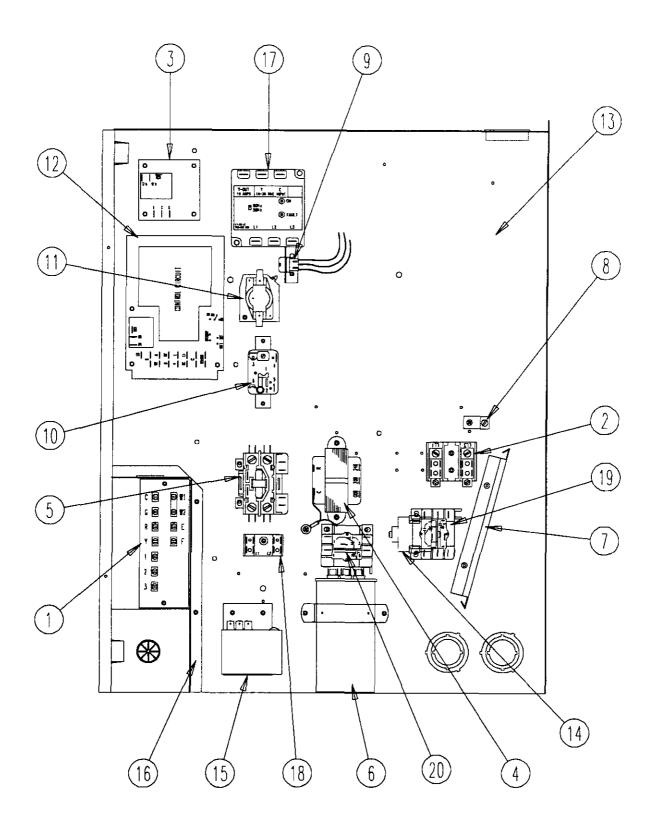
FUNCTIONAL COMPONENTS



			WH381-A	WH381-B	WH381-C	WH431-A	WH431-B	WH431-C	WH491-A	WH491-B	WH491-C
Dwg			38	138	138	43	143	143	49	149	49
No.	Part No.	Description	₹	≱	₹	₹	₹	≱	₹	₹	₹
1	8000-218	Compressor	1			Ī			Х		
1 1	8000-221	Compressor	1							х	
1	8000-222	Compressor						1		i	x
1	8000-175	Compressor	X					Ì			
1	8000-163	Compressor		х							
1	8000-164	Compressor			х						
1	8000-176	Compressor				х					
1	8000-229	Compressor					Х				
1	8000-230	Compressor						x			
2	\$900-242	Blower Assembly	Х	Х		Х	Х		Х	Х	
2	S900-243	Blower Assembly			x			Ιx			x
3	8200-004	Fan Motor Mount	X	Х	Х	Х	Х	Х	Х	Х	X
4	5151-054	Fan Blade	Х	Х	Х	Х	Х	Х	Х	Х	Х
5	8105-039	Condenser Motor	X	X		X	×		Х	X	
5	8105-046	Condenser Motor			x			X			Х
6	5051-107	Condenser Coil	X	Х	Х	X	Х	Х			
6	5051-077	Condenser Coil							Х	Х	Х
7	800-0287	Cooling Distributor Assembly	Х	Х	Х						
7	800-0288	Cooling Distributor Assembly				X	X	Х	X	Х	Х
8	5060-070	Evaporator Coil	X	Х	X						
8	5060-082	Evaporator Coil				Х	Х	Х	Х	X	Х
9	7004-016	Air Filter 1" Throw-away	X	X	Х	Х	Х	Х	X	X	Х
9	7003-030	Air Filter 1" Washable	X	Х	X	Х	Х	Х	Х	X	X
9	7004-027	Air Filter 2" Pleated	X	Х	Х	Х	X	_x	Х	Х	Х
10	1171-022	1/4" Turn Fastener	X	Х	Х	Х	Х	Х	Х	X	Х
11	1171-024	1/4" Tum Retainer	Х	Х	Х	Х	Х	Х	Х	Х	X
12	1171-023	1/4" Receptacle	X	Х	Х	Х	Х	X	Х	Х	Х
13	5650-021	Reversing Valve	X	Х	X	Х	Х	Х			
13	5650-025	Reversing Valve	<u> </u>						Х	Х	Х
14	5650-022	Reversing Valve Solenoid	X	Х	Х	Х	X	Х	X	X	Х
15	1171-044	Latch - Locking	X	Х	Х	Х	Х	Х	Х	_ X	Х
16	8408-027	Defrost Sensor	X	Х	X	Х	Х	Х	Х	Х	Х
17	5651-102	Expansion Valve	2	2	2	2	2	2			
17	5651-103	Expansion Valve	1						2	2	2
18	1804-0106	High Pressure Switch (Flare) ①	X	Х	X	X	Х	Х	Х	Х	X
19	800-0210	Heating Distributor Assembly	X	Х	X	Х	Х	X			
19	800-0211	Heating Distributor Assembly						<u> </u>	Х	X	Х
NS	1804-0107	Low Pressure Switch (Flare) ①	X	Х	Х	Х	Х	X	Х	Х	X
NS	1804-0108	Low Ambient Switch (Flare) ①	X	Х	X	Х	Х	X	Х	X	X

NS - Not Shown

① - Optional



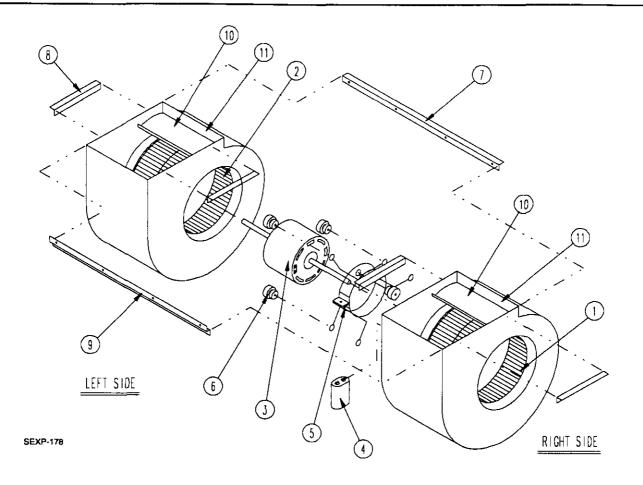
SEXP-311

Dwg			WH381-A	WH381-B	WH381-C	WH431-A	WH431-B	WH431-C	WH491-A	WH491-B	WH491-C
No.	Part No.	Description	≱	₹	≱	₹	₹	≱	¥	₹	¥
1	8607-019	Low Voltage Terminal Strip	Х	Х	Х	Х	Х	Х	Х	Х	Х
2	8607-013	Terminal Block 2 Pole	X			Х			Х		
2	8607-014	Terminał Block 3 Pole		x	Х		Х	Х		Х	x
2	8607-015	Phelon Insulator			х			Х		İ	x
3	8201-056	Blower Control	Х	Х		Х	Х		X	X	
3	8201-032	Blower Relay			Х	ĺ		Х			x
4	8407-035	Transformer	Х	Х		X	Х		Х	Х	
4	8407-042	Transformer		L	Х	İ		Х			x
5	8401-027	Compressor Contactor								Х	
5	8401-002	Compressor Contactor		x	Х		Х	х	ŀ		x
5	8401-016	Compressor Contactor	Х			Х	L		X		
6	8552-005	Outdoor Motor Capacitor		Х	Х		Х	Х		Х	Х
6	8552-072	Compressor Capacitor	X								
6	8552-05	Compressor Capacitor							х		
6	8552-059	Compressor Capacitor				Х					
7	135-130	Wire Shield	Х	Х	X	X	Х	Х	Х	Х	Х
8	8611-006	Ground Terminal	Х	Х	Х	X	Х	Х	Х	Х	Х
9	3000-977	6 Pin Connector	X	Χ	Х	Х	Х	X	X	Х	Х
10	8201-009	Low Ambient Bypass Relay ①	Х	Х	Х	Х	Х	Х	Х	Х	Х
11	8201-065	Low Pressure Bypass (TDR) ①	Х	Х	Х	Х	X	Х	Х	Х	Х
12	8201-069	Heat Pump Control Board	X	Х	Х	Х	Х	Х	Х	Х	Х
13	117X143	Control Panel	X	Х	Х	Х	Χ	Х	Х	Х	Х
14	8551-005	Start Device	Х								
15	8408-034	Outdoor Fan Thermostat	X	Х	Х	Х	Х	Х	Х	Х	Х
16	117X139	Low Voltage Box	Х	Х	Х	Х	Х	Χ	Х	Χ	Х
17	8201-085	Phase Monitor		Χ	Х		Χ	Х		Χ	Х
18	8607-017	Terminal Block ①	X	Х	Х	Х	Х	Х	Х	Х	Х
19	8201-086	Motor Speed Relay			X			Х			X
20	8201-032	Outdoor Fan Relay			Х			Х			Х
NS	4096-116	Wiring Diagram	X			Х			Х		
NS	4096-216	Winng Diagram		Х			Х				
NS	4096-316	Wiring Diagram						Х			
NS	4096-217	Wiring Diagram								Х	
NS	4096-317	Wiring Diagram									x
NS	4096-318	Wiring Diagram			Х						

NS - Not Shown

① - Optional

BLOWER ASSEMBLY



Dwg. No.	Part No.	Description	900-242	900-243
1	5152-011	10 Inch Wheel (CW)	X	Х
2	5152-012	10 Inch Wheel (CCW)	X	X
3	8104-012	Blower Motor (230/208)	X	
3	8104-014	Blower Motor (460)		Х
4	8552-005	Capacitor	X	Х
5	8200-040	Motor Mount	X	Х
6	5451-001	Grommets	6	6
7	105-880	Back Brace	Х	Х
8	105-881	Side Angle	4	4
9	103-389	Front Brace	X	X
10	151-101	Housing	2	2
11	144-166	Diffuser	2	2