
REPLACEMENT PARTS MANUAL

PACKAGE HEAT PUMPS

Models:

PH1242

PH12481

PH12481-B

PH11422

PH10481

PH10481-B

PH10481-C

PH1060

PH1060-B

PH1060-C

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.

Contents

Description	Page
Cabinet Components	
♦ Exploded View	2
♦ Usage List	3
Functional Components	
♦ Exploded View	4
♦ Usage Lists	5
♦ Usage Lists	6
♦ Blank Page	7
Control Panel Layout	
♦ Exploded View	8
♦ Usage Lists	9
♦ Exploded View	10
♦ Usage Lists	11

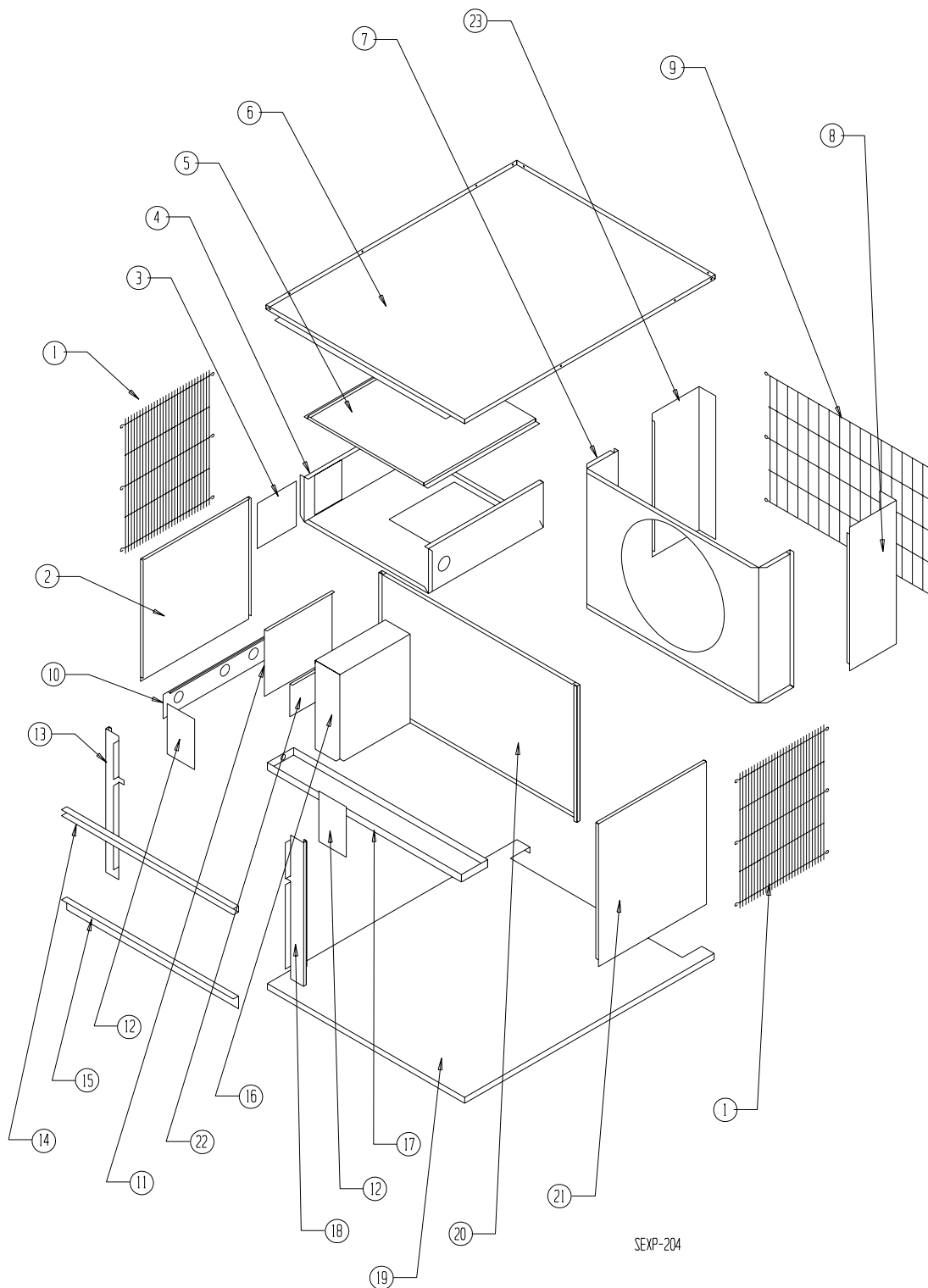


Bard Manufacturing Company, Inc.
Bryan, Ohio 43506

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

Manual: 2110-261D
Supersedes: 2110-261C
File: Tab 11
Date: 12-20-06

CABINETS COMPONENTS

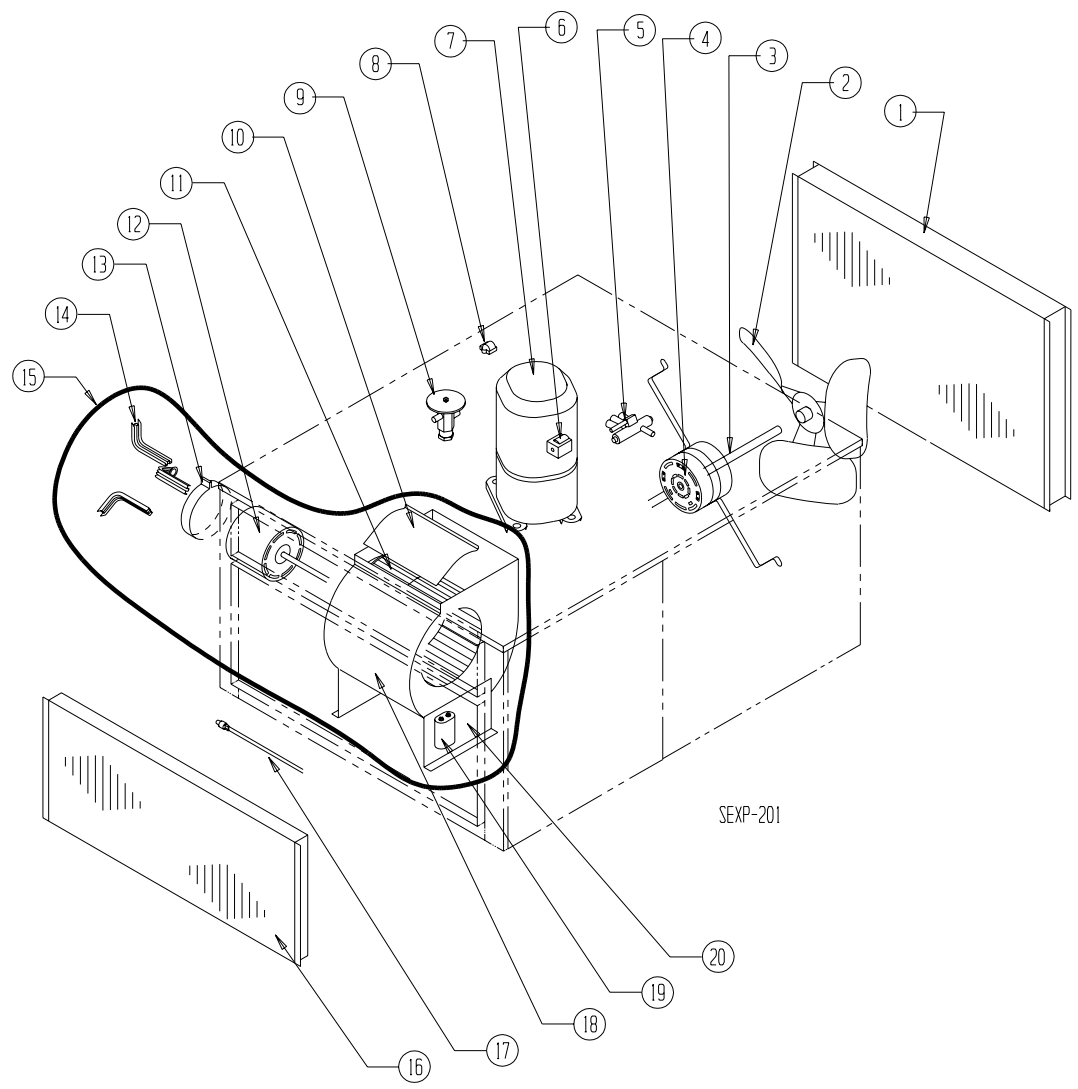


SEXP-204

CABINET COMPONENTS

Drawing No.	Part No.	Description	U
			S A G E
1	7051-007	Inlet Grille	2
2	501-272-X	Left Side	X
3	142-045	Cover Plate – 0 KW	X
4	520-240	Blower Partition	X
5	134-134	Heat Strip Shield	X
6	507-146-X	Top	X
7	125-027-X	Fan Shroud	X
8	149-079-X	Left Rear Corner	X
9	7051-005	Condenser Grille	X
10	557-026-X	Entrance Panel	X
11	133-035-X	Control Panel Cover	X
12	136-246	Blower Fill Plates	2
13	549-077-X	Left Front Corner	X
14	165-502-X	Plenum Channel	X
15	105-525-X	Plenum Angle	X
16	Control Panel Assembly	See Control Panel Drawing and Parts List	
17	S123-084-X	Drain Pan	X
18	549-076-X	Right Front Corner	X
19	527-221-X	Base	X
20	521-239-X	Compressor Partition	X
21	501-271-X	Right side	X
22	142-044	Entrance Cover	X
23	149-078-X	Right Rear Corner	X

FUNCTIONAL COMPONENTS



This drawing to be used as reference for Pages 5 and 6

FUNCTIONAL COMPONENTS

Drawing No.	Part No.	Description	PH10481	PH10481-B	PH10481-C	PH1060	PH1060-B	PH1060-C	PH11422
1	5051-075BX	Condenser Coil	X	X	X				X
1	5051-077BX	Condenser Coil				X	X	X	
2	5151-027	Fan Blade	X	X	X	X	X	X	X
3	8200-004	Motor Mount	X	X	X	X	X	X	X
4	8105-039	Motor	X	X		X	X		X
4	8105-030	Motor			X			X	
5	5650-040	Reversing Valve with Solenoid	X	X	X				
5	5650-041	Reversing Valve with Solenoid				X	X	X	X
6	5650-042	Rev. Valve Solenoid, Red Casing (Ranco)	X	X	X	X	X	X	X
6	5650-043	Rev. Valve Solenoid, Black Casing (Wilspec)	X	X	X	X	X	X	X
6	5650-046	Rev. Valve Solenoid, Black Casing (San Hua)	X	X	X	X	X	X	X
7	8000-218	Compressor	X						
7	8000-219	Compressor		X					
7	8000-220	Compressor			X				
7	8000-153	Compressor				X			
7	8000-154	Compressor					X		
7	8000-155	Compressor						X	
7	8000-176	Compressor							X
8	8620-095	Defrost Sensor	X	X	X	X	X	X	X
9	5651-102	Expansion Valve	X	X	X				X
9	5651-103	Expansion Valve				X	X	X	
10	144-130	Diffuser	X	X	X	X	X	X	X
11	5152-049	Blower Wheel	X	X	X	X	X	X	
11	5152-071	Blower Wheel							X
12	8106-031	Motor	X	X		X	X		X
12	8106-032	Motor			X			X	
13	8620-034	Motor Mount Kit	X	X	X	X	X	X	X
14	8620-034	Motor Mount Kit	X	X	X	X	X	X	X
15	900-190	Complete Blower Assembly	X	X		X	X		
15	900-191	Complete Blower Assembly							X
15	900-192	Complete Blower Assembly			X			X	
16	5060-070BX	Evaporator Coil	X	X	X				X
16	5060-082BX	Evaporator Coil				X	X	X	
17	5625-037	Cooling Distributor	X	X	X				
17	5625-018	Cooling Distributor				X	X	X	
17	5625-028	Cooling Distributor							X
18	151-097	Blower Housing	X	X	X	X	X	X	X
19	8552-005	Capacitor 5 - 370	X	X	X	X	X	X	X
20	104-795	Blower Angles	X	X	X	X	X	X	X
NS	1804-0106	High Pressure Switch	X	X	X	X	X	X	X
NS	5625-013	Heating Distributor	X	X	X		X	X	X

NS = Not Shown

Refer to drawing on Page 4

FUNCTIONAL COMPONENTS

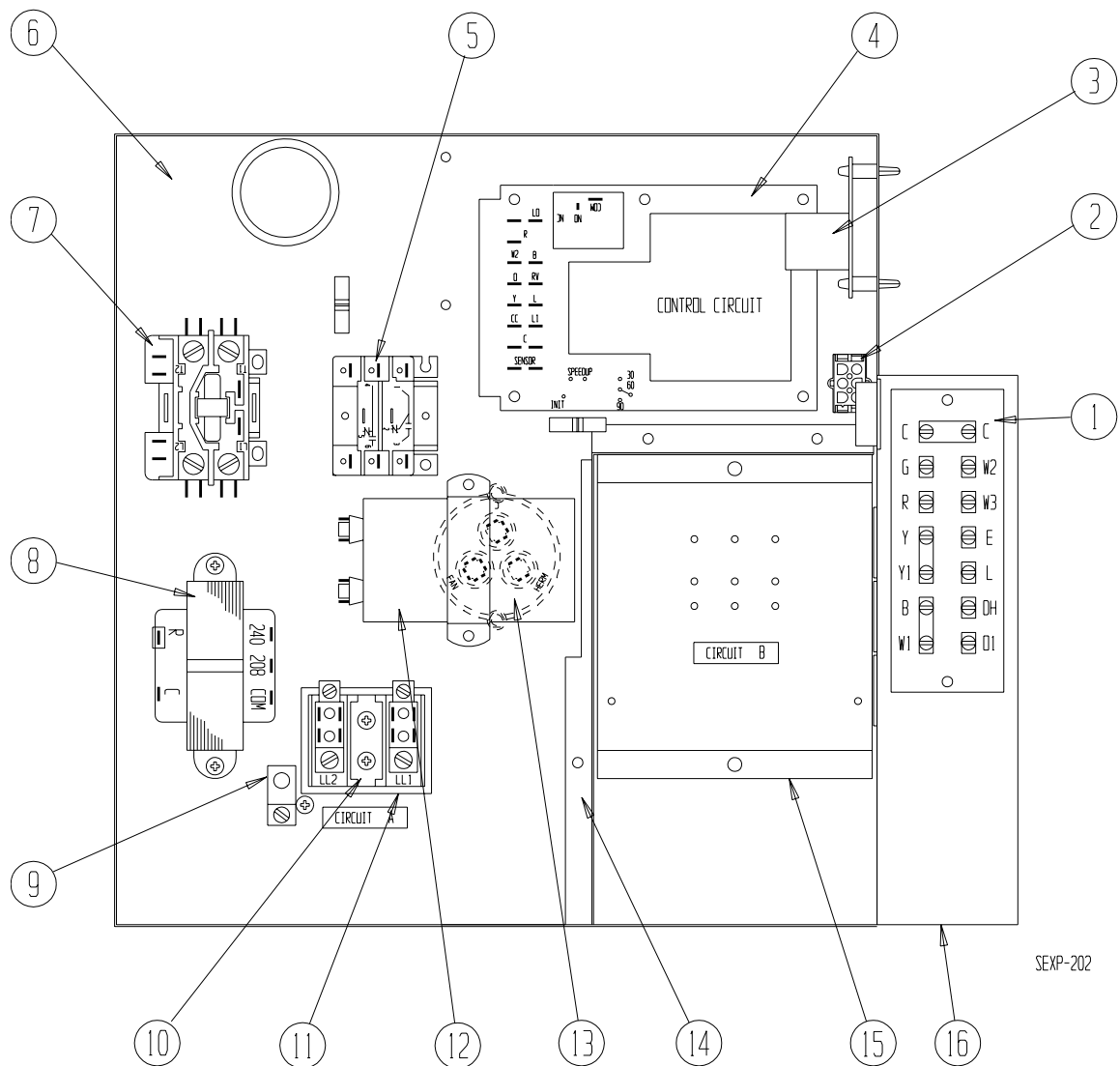
Drawing No.	Part No.	Description	PH1242	PH12481	PH12481-B
1	5051-109BX	Condenser Coil	X	X	X
2	5151-027	Fan Blade	X	X	X
3	8200-004	Motor Mount	X	X	X
4	8105-039	Motor	X	X	X
5	5650-041	Reversing Valve with Solenoid	X	X	X
6	5650-042	Rev. Valve Solenoid, Red Casing (Ranco)	X	X	X
6	5650-043	Rev. Valve Solenoid, Black Casing (Wilspec)	X	X	X
6	5650-046	Rev. Valve Solenoid, Black Casing (San Hua)	X	X	X
7	8000-176	Compressor	X		
7	8000-218	Compressor		X	
7	8000-219	Compressor			X
8	8620-095	Defrost Sensor	X	X	X
9	5651-102	Expansion Valve	X	X	X
10	144-130	Diffuser	X	X	X
11	5152-049	Blower Wheel	X	X	X
12	8106-035-0018	1/2 HP ECM Motor w/Programmed Control	X		
12	C8106-035-0018	Programmed Motor Control Only	X		
12	8107-009-0019	3/4 HP ECM Motor w/Programmed Control		X	X
12	C8107-009-0019	Programmed Motor Control Only		X	X
13	8200-034	Motor Mount Kit	X	X	X
14	8620-034	Motor Mount Kit	X	X	X
15	900-245-001	Complete Blower Assembly		X	X
15	900-244-001	Complete Blower Assembly	X		
16	5060-070BX	Evaporator Coil	X		
16	5060-082BX	Evaporator Coil		X	X
17	5625-028	Cooling Distributor	X		
17	5625-029	Cooling Distributor		X	X
18	151-097	Blower Housing	X	X	X
20	104-795	Blower Angles	X	X	X
NS	1804-0106	High Pressure Switch	X	X	X
NS	5625-013	Heating Distributor	X	X	X

NS = Not Shown

Refer to drawing on Page 4

**This page has been left blank
intentionally.**

CONTROL PANEL

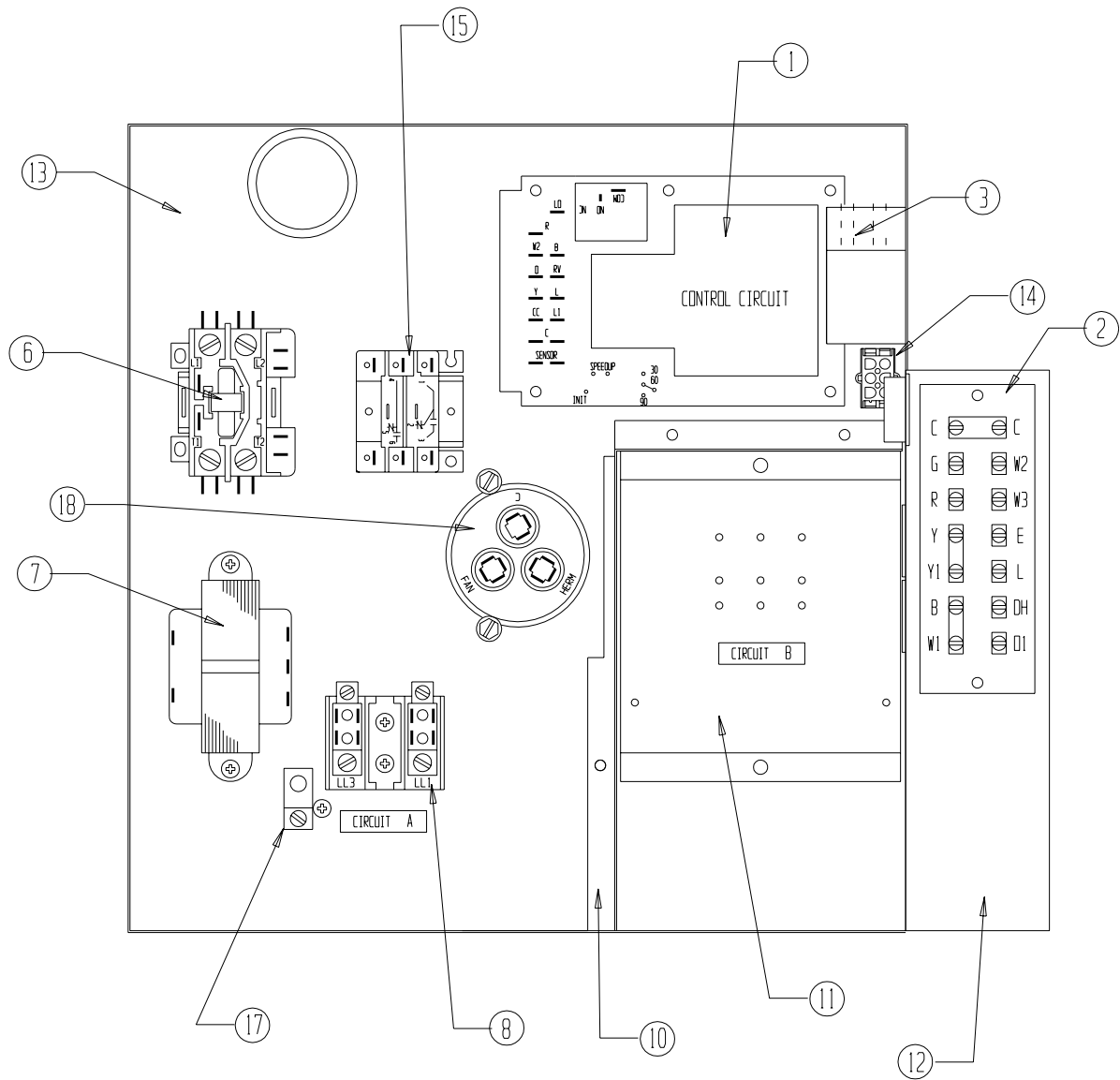


CONTROL PANEL

Drawing No.	Part No.	Description	PH10481	PH10481-B	PH10481-C	PH1060	PH1060-B	PH1060-C	PH11422
1	8607-025	Terminal Strip	X	X	X	X	X	X	X
2	3000-1000	Wire Assembly	X	X	X	X	X	X	X
3	8201-056	Solid State Blower Control	X	X		X	X		X
3	8201-032	Blower Relay			X			X	
4	8201-102	Heat Pump Control	X	X	X	X	X	X	X
5	8201-013	Changeover Relay	X	X	X	X	X	X	X
6	516-147	Control Panel	X	X	X	X	X	X	X
7	8401-016	Contactor	X			X			
7	8401-002	Contactor		X	X		X	X	
7	8401-007	Contactor							X
8	8407-035	Transformer	X	X		X	X		X
8	8407-042	Transformer			X			X	
9	8611-006	Ground Terminal	X	X	X	X	X	X	X
10	8607-013	Terminal Block	X			X			X
10	8607-014	Terminal Block		X	X		X	X	
11	8607-015	Phenolic Insulator			X			X	
12	8552-005	Capacitor 10-370		X	X		X	X	
13	8552-059	Capacitor 60-10-370	X						
13	8552-058	Capacitor 80/10-370				X			
13	8552-056	Capacitor 55/10-440							X
14	116-149	Control Panel Partition	X	X	X	X	X	X	X
15	116-150	Terminal Block Support	X	X	X	X	X	X	X
16	116-148	Low Voltage Box	X	X	X	X	X	X	X
NS	4066-114	Wiring Diagram	X			X			
NS	4066-211	Wiring Diagram		X			X		
NS	4066-311	Wiring Diagram			X			X	
NS	4066-116	Wiring Diagram							X

NS = Not Shown

CONTROL PANEL



SEXP-433

CONTROL PANEL

Drawing No.	Part No.	Description	PH1242	PH12481	PH12481-B
1	8201-102	Heat Control Pump	X	X	X
2	8607-025	Terminal Strip	X	X	X
3	8201-074	Blower Control	X	X	X
6	8401-007	Contactor	X		
6	8401-016	Contactor		X	
6	8401-002	Contactor			X
7	8407-035	Transformer	X	X	X
8	8607-013	Terminal Block	X	X	
8	8607-014	Terminal Block			X
10	116-149	Control Panel Partition	X	X	X
11	116-150	Terminal Block Support	X	X	X
12	116-148	Low Voltage Box	X	X	X
13	516-147	Control Panel	X	X	X
14	3000-1100	Wire Assembly	X	X	X
14	3000-1106	Wire Assembly	X	X	X
14	3000-1108	Wire Assembly	X	X	X
15	8201-013	Changeover Relay	X	X	X
17	8611-006	Ground Terminal		X	X
18	8552-059	Capacitor 60/10-370	X		
18	8552-056	Capacitor 55/10-440		X	
18	8552-005	Capacitor 10-370			X
NS	4098-125	Wiring Diagram	X	X	
NS	4098-212	Wiring Diagram			X

NS = Not Shown