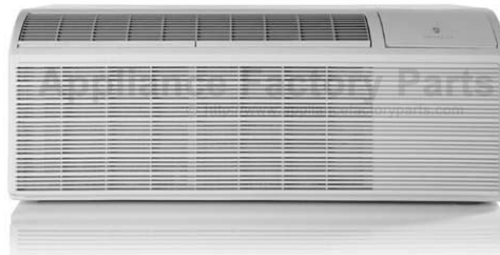


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FRIEDRICH PDH09R3SF Owner's Manual

[Shop genuine replacement parts for FRIEDRICH
PDH09R3SF](#)



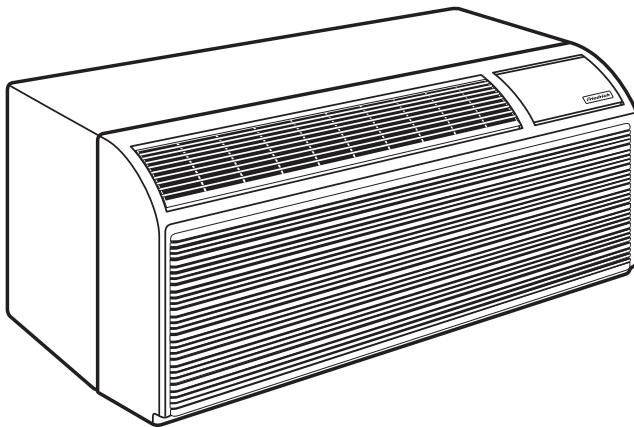
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----- Manual continues below part list -----

Available Replacement Parts for FRIEDRICH PDH09R3SF

P68700108	CAPACITOR, FAN TYPE=PTC
P68700127	BEARING CAP TYPE=PTC
P68700128	FRONT PANEL CLIP TYPE=PTC
P68700126	HEATER WIRING BLOCK BOARD TYPE=PTC
P68700156	TERMINAL BOARD, INPUT POWER TYPE=PTC
P68700152	AMBIENT TEMP SENSOR
P68700153	TUBE SENSOR TYPE=PTC
P68700154	WIRING TERMINAL, 2 POSITION TYPE=PTC
P68700147	BEARING HOLDER SUB-ASSY TYPE=PTC
P68700138	FILTER SUB-ASSY TYPE=PTC
P68700139	FRESH AIR DOOR FILTER TYPE=PTC
P68700123	MOTOR BRACKET, INDOOR TYPE=PTC
P68700155	WIRING TERMINAL, 7 POSITION TYPE=PTC
P68700135	FAN, CONDENSER TYPE=PTC
P68700163	CONTROL DOOR TYPE=PTC
P68700151	DISPLAY BOARD TYPE=PTC
P68700122	DISCHARGE SCREEN TYPE=PTC
P68700137	FAN SHROUD W/ MOTOR MOUNT TYPE=PTC
P68700112	TRANSFORMER TYPE=PTC
P68700143	DISCHARGE GRILLE TYPE=PTC
P68700171	MAIN BOARD 1 TYPE=PTC
P68700168	HEATER TYPE=PTC
P68700102	CONDENSOR COIL TYPE=PTC
P68700202	Front Panel Assembly
P68700164	Control Panel No Overlay

Parts Manual



PTAC PD Series (Electronic Controls)

Packaged Terminal Air Conditioners

Packaged Terminal Heat Pumps

Serial Number LEAP and Later

MODELS

PDE07K**B-A	PDE12K**B-A	PDH07K**B-A	PDH12K**B-A
PDE07R**B-A	PDE12R**B-A	PDH07R**B-A	PDH12R**B-A
PDE09K**B-A	PDE15K**B-A	PDH09K**B-A	PDH15K**B-A
PDE09R**B-A	PDE15R**B-A	PDH09R**B-A	PDH15R**B-A

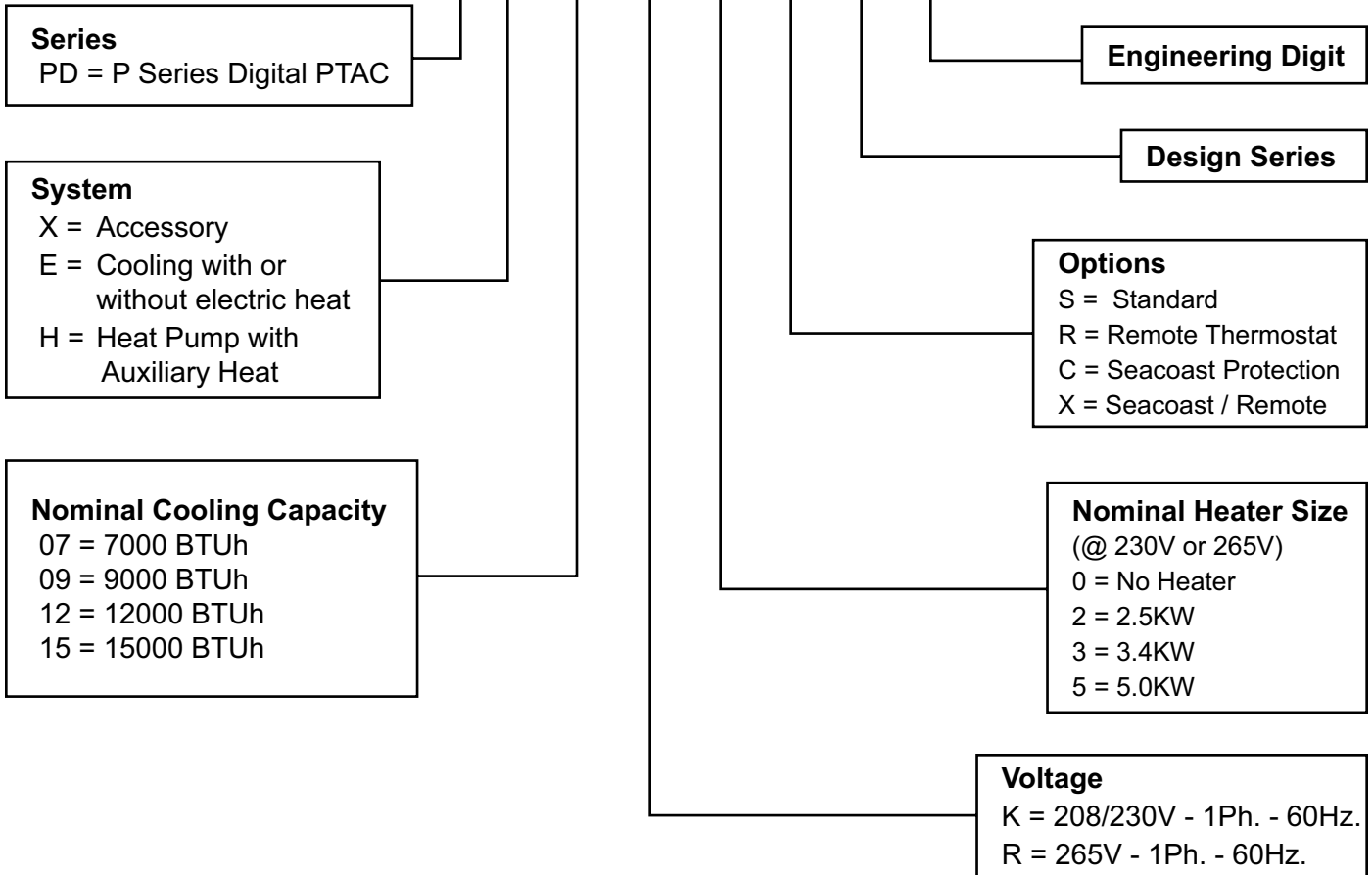
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UNIT IDENTIFICATION

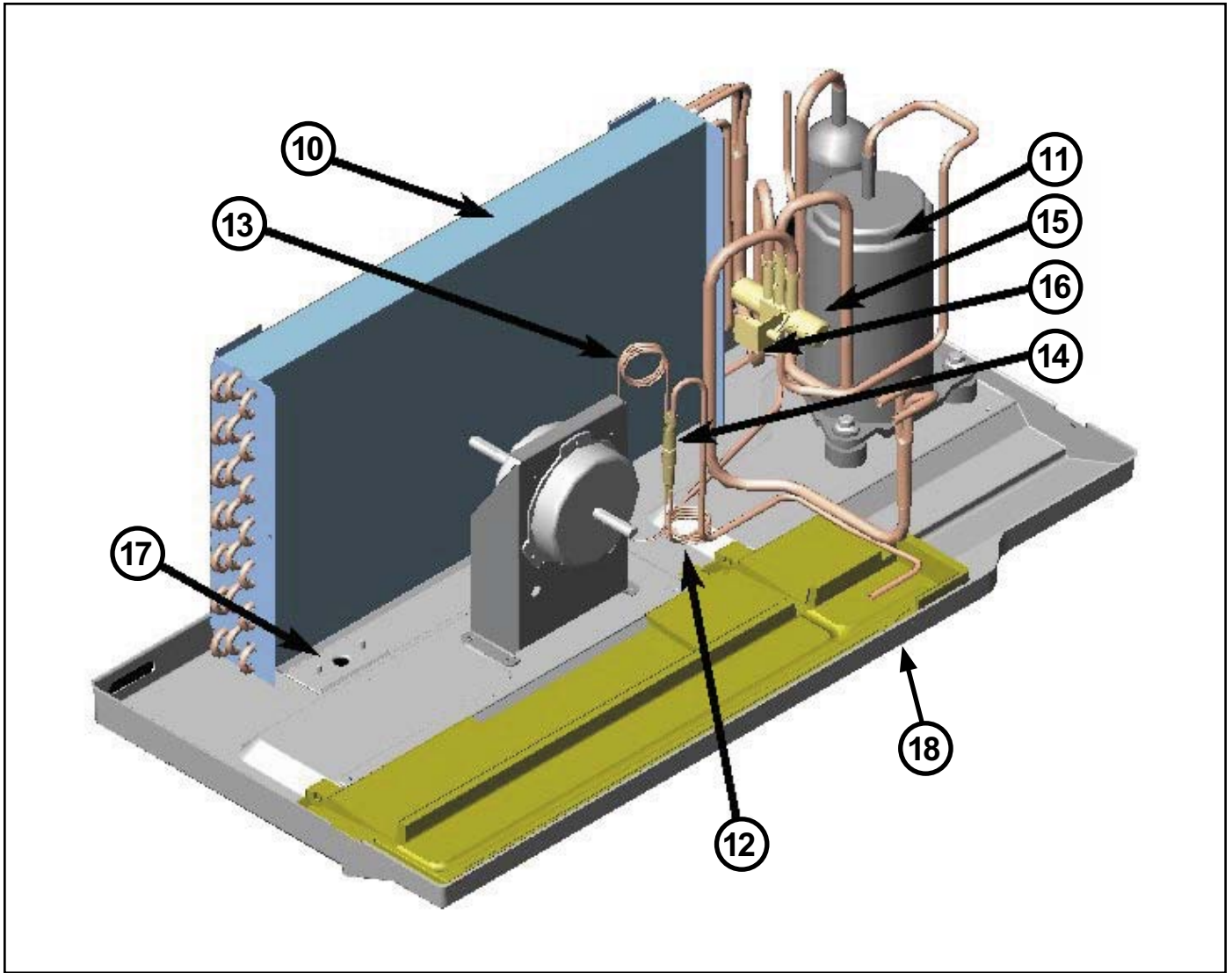
Model Number Code

PD H 07 K 3 S B A



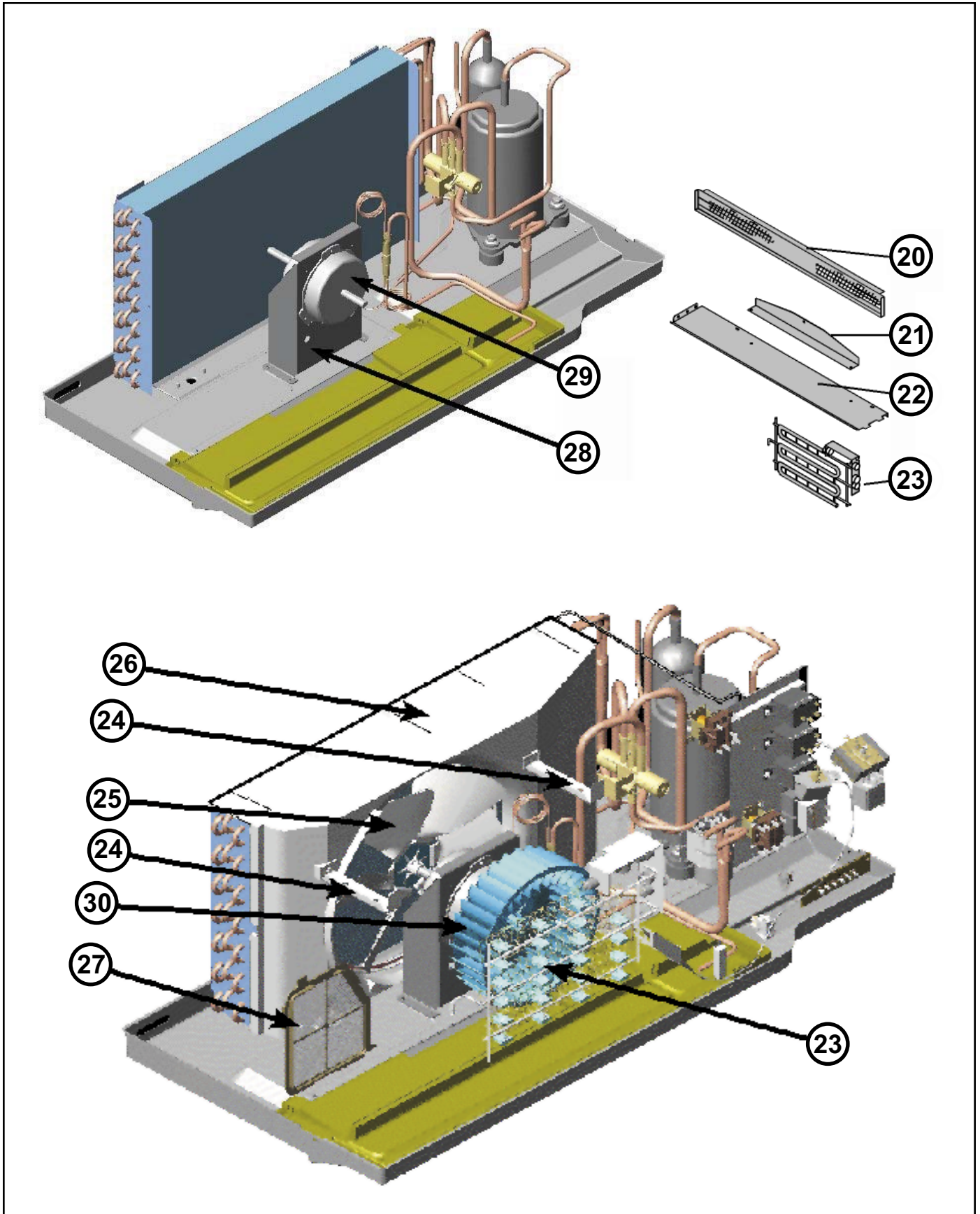
PTAC Serial Number Identification Guide										
Serial Number		L	E	A	P	00000				
Decade Manufactured		Production Run Number								
L = 0	C = 3	F = 6	J = 9	Product Line						
A = 1	D = 4	G = 7								
B = 2	E = 5	H = 8								
Year Manufactured		Product Line								
A = 1	C = 3							E = 5	G = 7	J = 9
B = 2	D = 4							F = 6	H = 8	K = 0
Month Manufactured		Product Line								
A = Jan	D = Apr							G = Jul	K = Oct	
B = Feb	E = May							H = Aug	L = Nov	
C = Mar	F = Jun	J = Sep	M = Dec	Product Line						
Product Line										
R = RAC P = PTAC E = EAC V = VPAK H = DSS										

UNIT ASSEMBLY



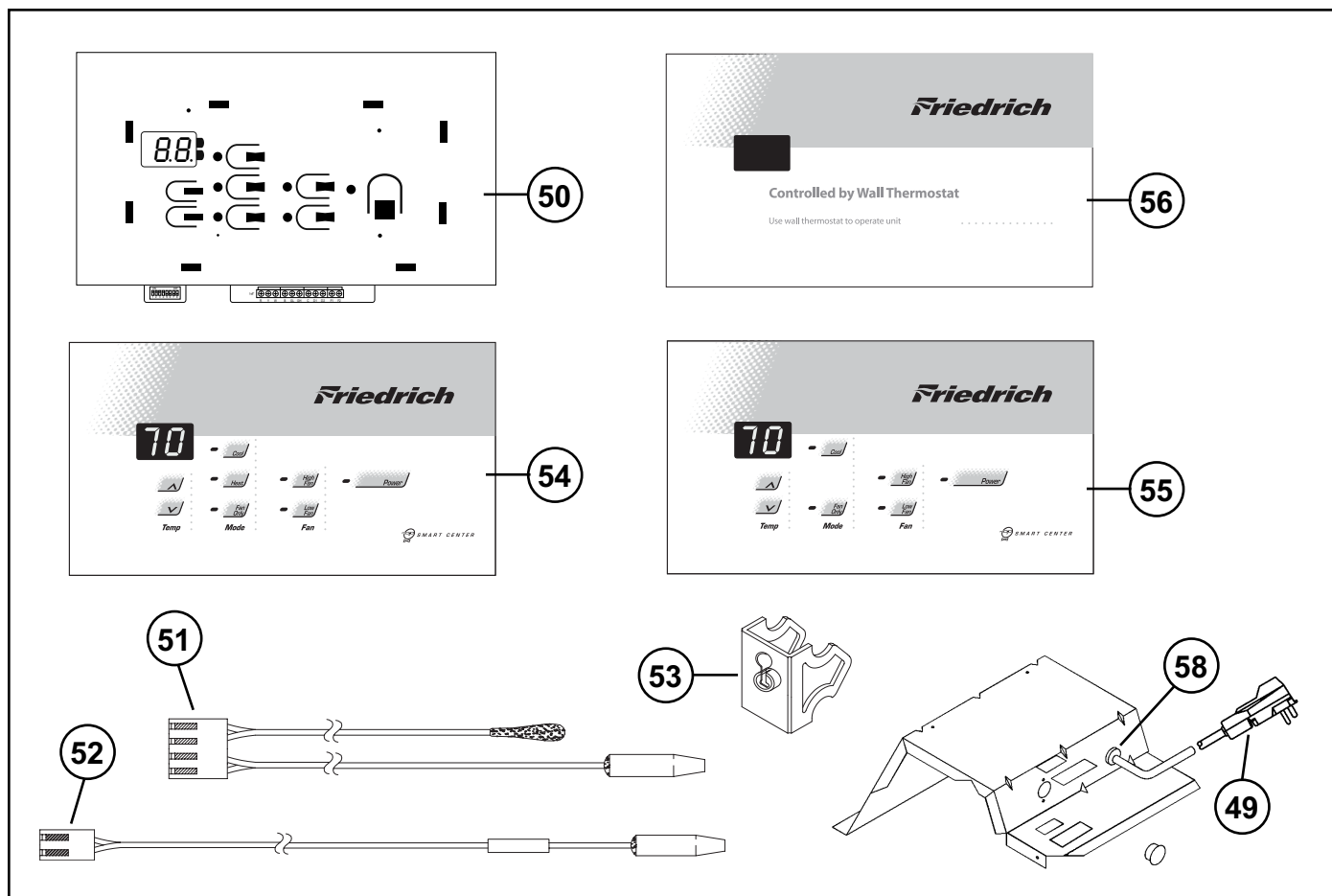
REF.	PART NO.	DESCRIPTION	07	09	12	15	NOTES
N/S	25059400	Coil, Indoor	1	1	1	-	
N/S	25065000	Coil, Indoor	-	-	-	1	
10	25014820	Coil, Outdoor	1	1	1	1	
10	25014821	Coil, Outdoor	1	1	1	1	Seacoast
10	25064800	Coil, Outdoor- Heat Pump Only	-	-	-	1	
10	25064801	Coil, Outdoor- Heat Pump Only	-	-	-	1	Seacoast
11	25024915	Compressor, 230 Volt	1	-	-	-	
11	25024908	Compressor, 230 Volt	-	1	-	-	
11	25024907	Compressor, 230 Volt	-	-	1	-	
11	25024910	Compressor, 230 Volt	-	-	-	1	
11	25024914	Compressor, 265 Volt	1	-	-	-	
11	25024913	Compressor, 265 Volt	-	1	-	-	
11	25024912	Compressor, 265 Volt	-	-	1	-	
11	25024911	Compressor, 265 Volt	-	-	-	1	
12	03760548	Cap Tube A/C-Electric Only	1	-	-	-	
12	03760547	Cap Tube A/C-Electric Only	-	1	-	-	
12	03760511	Cap Tube A/C-Electric Only	-	-	1	-	
12	01389985	Cap Tube A/C-Electric Only	-	-	-	1	
12	03760547	Cap Tube, Cooling, Heat Pump	1	-	-	-	
12	03760547	Cap Tube, Cooling, Heat Pump	-	1	-	-	
12	01390000	Cap Tube, Cooling, Heat Pump	-	-	1	-	
12	01389975	Cap Tube, Cooling, Heat Pump	-	-	-	1	
13	03760473	Cap Tube, Heating, Heat Pump	1	-	-	-	
13	03760547	Cap Tube, Heating, Heat Pump	-	1	-	-	
13	01389975	Cap Tube, Heating, Heat Pump	-	-	1	-	
13	01389985	Cap Tube, Heating, Heat Pump	-	-	-	1	
14	25057200	Check Valve	1	-	-	-	
14	25057201	Check Valve	-	1	1	1	
15	25022010	Reversing Valve Kit (Includes Solenoids)	1	1	-	-	
15	25022020	Reversing Valve Kit (Includes Solenoids)	-	-	1	1	
16	25022050	Solenoid Coil 230 Volt	1	1	1	1	
16	25022060	Solenoid Coil 265 Volt	1	1	1	1	
17	60179903	Condensate Valve (bellows type)	1	1	1	1	
18	25014502	Drain Pan	1	1	1	1	
N/S	61764537	Overload Compressor 230 Volt	1	-	-	-	
N/S	61764535	Overload Compressor 230 Volt	-	1	-	-	
N/S	61764521	Overload Compressor 230 Volt	-	-	1	-	
N/S	61764532	Overload Compressor 230 Volt	-	-	-	1	
N/S	61764543	Overload Compressor 265 Volt	1	-	-	-	
N/S	61764542	Overload Compressor 265 Volt	-	1	-	-	
N/S	61764541	Overload Compressor 265 Volt	-	-	1	-	
N/S	61764538	Overload Compressor 265 Volt	-	-	-	1	

AIR HANDLER



REF.	PART NO.	DESCRIPTION	07	09	12	15	NOTES
20	25038401	Discharge Screen	1	1	1	1	
21	25067500	Air Deflector	1	1	1	1	
22	25016011	Deck	1	1	1	1	
23	25059160	Heater, 2.5 kW @ 230 Volt	1	1	1	1	
23	25059161	Heater, 3.4 kW @ 230 Volt	1	1	1	1	
23	25059184	Heater, 5.0 kW @ 230 Volt	1	1	1	1	
23	25059162	Heater, 2.5 kW @ 265 Volt	1	1	1	1	
23	25059163	Heater, 3.4 kW @ 265 Volt	1	1	1	1	
23	25059185	Heater, 5.0 kW @ 265 Volt	1	1	1	1	
24	25036400	Support Brace (condenser)	1	1	1	1	
25	60542006	Condenser slinger blade	1	1	1	1	
26	25036801	Condenser Shroud	1	1	1	1	
27	25015300	Fresh Air Door Screen	1	1	1	1	
27	25034900	Fresh Air Door Insulation	1	1	1	1	
28	25014400	Motor Mount Bracket	1	1	1	1	
29	25014600	Motor, 230 Volt 1/15 HP 2P	1	1	-	-	
29	25014610	Motor, 230 Volt 1/10 HP 2P	-	-	1	1	
29	25014601	Motor, 265 Volt 1/15 HP 2P	1	1	-	-	
29	25014611	Motor, 265 Volt 1/10 HP 2P	-	-	1	1	
30	25069100	Blower Wheel 7-9	1	1	-	-	
30	25069000	Blower Wheel 12-15	-	-	1	1	
N/S	25014306	Scroll 7-9	1	1	-	-	
N/S	25014306	Scroll 12-15	-	-	1	1	
N/S	60217902	Seal, Motor to Wall	1	1	1	1	
N/S	25015900	Fresh Air Door Latch	1	1	1	1	
N/S	25045100	Fresh Air Door Cable	1	1	1	1	
N/S	25059620	Primary Limit Switch 145°F 2.5-3.4 kW	1	1	1	1	
N/S	25059621	Primary Limit Switch 155°F 5 kW	-	-	1	1	
N/S	25059618	Secondary Limit Switch 200°F	1	1	1	1	
N/S	61828200	Suction Dryer	1	1	1	1	
N/S	60308101	Liquid line Dryer (not for heat pump)	1	1	1	1	Cooling Only
N/S	25065700	Jumper, Heater	1	1	1	1	

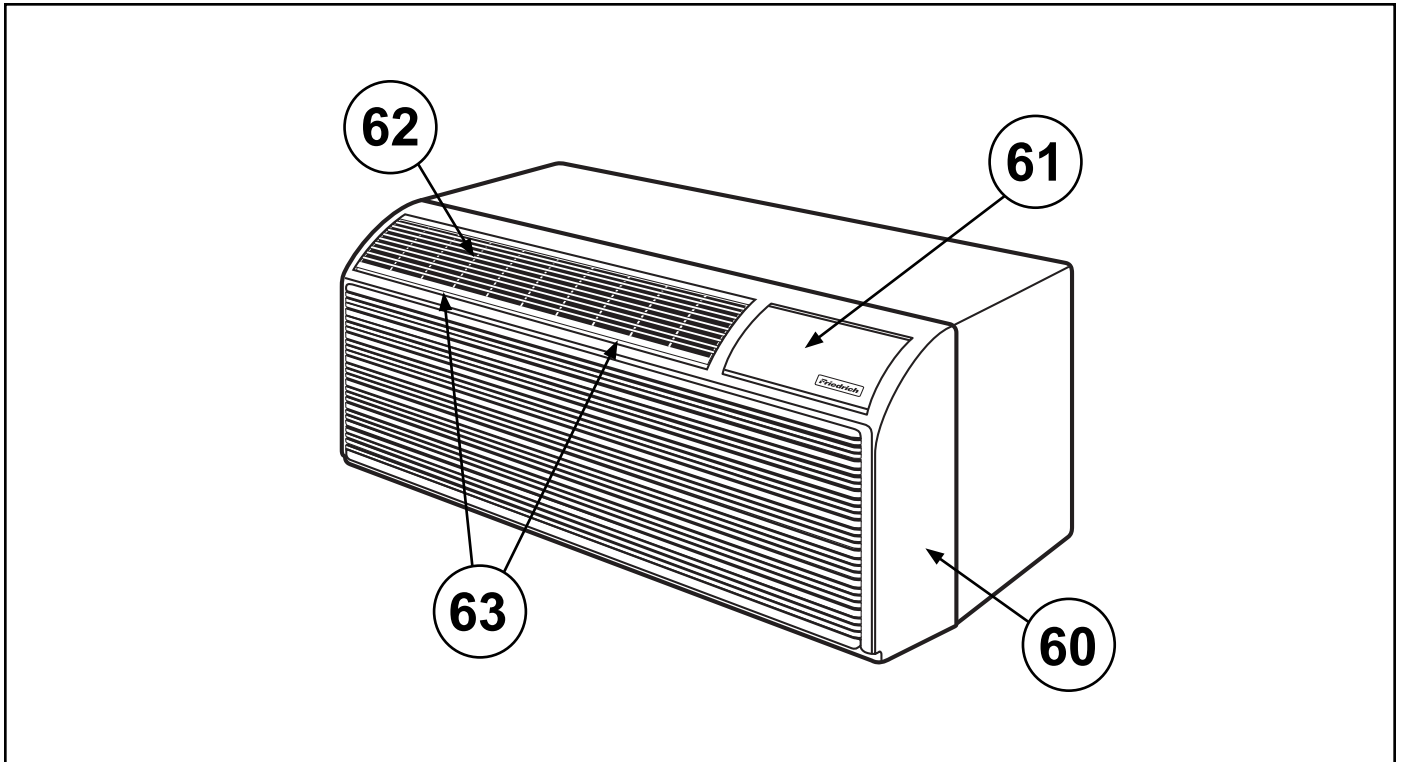
CONTROL BOX ASSEMBLY



REF.	PART NO.	DESCRIPTION	07	09	12	15	NOTES
49	60500190	LCDI, 15A (2.5kW @ 230 Volt)	1	1	1	1	
49	60500191	LCDI, 20A (3.4kW @ 230 Volt)	1	1	1	1	
49	60500192	LCDI, 30A (5.0kW @ 230 Volt)	1	1	1	1	
58	20061450	Strain Relief 15/20A	1	1	1	1	
58	20086915	Strain Relief 30A	1	1	1	1	
50	25070050	Electronic Control Kit	1	1	1	1	See Note*
51	61921152	Dual Thermistor	1	1	1	1	
52	61921153	Single Thermistor	1	1	1	1	Heat Pump
53	25067900	Thermistor Holder	2	2	2	2	
54	25070102	Heat Cool Escutcheon	1	1	1	1	
55	25070103	Cool Only Escutcheon	1	1	1	1	
56	25070104	Remote Thermostat Escutcheon	1	1	1	1	
N/S	61080541	Capacitor, 20/5 @ 370 (230 Volt)	1	-	-	-	
N/S	61080573	Capacitor, 15/5 @ 440 (265 Volt)	1	-	-	-	
N/S	61080539	Capacitor, 25/5 @ 370 (230 Volt)	-	1	-	-	
N/S	61080571	Capacitor, 20/5 @ 440 (265 Volt)	-	1	-	-	
N/S	61080565	Capacitor, 30/5 @ 370 (230 Volt)	-	-	1	-	
N/S	61080571	Capacitor, 20/5 @ 440 (265 Volt)	-	-	1	-	
N/S	61080565	Capacitor, 30/5 @ 370 (230 Volt)	-	-	-	1	
N/S	61080571	Capacitor, 20/5 @ 440 (265 Volt)	-	-	-	1	

***Note:** **Electronic Control Kit includes:** Electronic Control Board, Dual Thermistor, Single Thermistor, Thermistor Holder (2), Escutcheons (Heat/Cool, Cool Only, Remote Thermostat) and Installation Instructions

FRONT COVER



REF.	PART NO.	DESCRIPTION	07	09	12	15	NOTES
60	25037904	Front Cover Complete (Includes Door and Filters)	1	1	1	1	
61	25031903	Control Door	1	1	1	1	
62	25025903	Grille, Discharge	1	1	1	1	
63	25037804	Filter	2	2	2	2	
N/S	25060600	Thumb Screw	2	2	2	2	
N/S	25060500	Speed Nut (U-Type)	2	2	2	2	

Use Factory Certified Parts.

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