



RPDC

Parts List
21-July-2012



*This parts list is current as of the above revision date.
See <http://www.rheempartslists.net/92-42800-RPDC.pdf> for the current revision.*

Package Heat Pumps

Table of Contents

Model Explanation	Page 3
-------------------------	--------

Parts Numbers

Panels - Miscellaneous	Page 4
Electrical Group	Page 5
Fan Group	Page 6
Blower Group	Page 7
Compressor Group	Page 8
Coil Parts	Page 9
Accessories	Page 10
Heater Kits	Page 10

Drawings/Photographs

Panels - Front	Page 11
Panels - Rear	Page 12
Main Control Box	Page 13
Control Box Condensor 075-100	Page 13
Control Box Condensor 075(A)-101(A)	Page 14
Blower Assembly	Page 14
Blower Motor Assembly	Page 15
Fan Assembly	Page 15

Notes/Disclaimer	Page 16
------------------------	---------

MODEL NUMBER EXPLANATION

R	P	D	C	-	0	7	5	C	K	A
(1)	(2)	(3)	(4)			(5)		(6)	(7)	(8)

- | | |
|--|---|
| <p>(1) TRADEBRAND</p> <p>(2) MODEL
Heat Pump</p> <p>(3) TYPE
Commercial</p> <p>(4) DESIGN SERIES</p> <p>(5) COOLING CAPACITY
075 = 7.5 Tons
100 = 10 Tons
101 = 10 Tons</p> | <p>(6) ELECTRICAL DESIGNATION
C = 208-230/3/60
D = 460/3/60
Y = 755/3/60</p> <p>(7) DRIVE PACKAGE
K = Standard Motor
L = Optional Motor</p> <p>(8) DEFROST CONTROL SYSTEM
BLANK = Line Voltage
A = 24V</p> |
|--|---|

SERIAL NUMBER EXPLANATION

3	9	8	8	G	2	4	8	7	9	9	9	9	
(1)				(2)	(3)		(4)		(5)				

- (1) **COMPRESSOR IDENTIFICATION NUMBER**
- (2) **PRODUCTION LOCATION**
F = Ft. Smith, AR
M = Milledgeville, GA
- (3) **WEEK OF PRODUCTION**
- (4) **YEAR OF PRODUCTION**
- (5) **PRODUCTION NUMBER**

No.	Notes	MODEL COOLING CAPACITY ELECTRICAL DESIGNATION DRIVE PACKAGE	RPDC 075 C/D/Y K/L	RPDC 100 C/D/Y K/L	RPDC 101 C/D/Y K/L
PANELS, SHEET METAL, MISCELLANEOUS					
		Frame Assembly	AS-70525-01	AS-70525-01	AS-70525-01
		Condenser Floor Pan	AS-70532-01	AS-70532-01	AS-70532-01
		Condenser Support Bracket (6)	AE-70584-01	AE-70584-01	AE-70584-01
		Condenser Mounting Clips (5) (Attached to four of the Condenser Support Brackets/Condenser Support)	AE-70717-01	AE-70717-01	AE-70717-01
		Condenser Support	AE-70645-01	AE-70645-01	AE-70645-01
		Condenser Base	AS-70662-01	AS-70662-01	AS-70662-01
		Evaporator Floor Pan	AS-70637-01	AS-70637-01	AS-70637-01
		Filter Access Panel Flashing (2)	AS-70714-01	AS-70714-01	AS-70714-01
		Evaporator Drain Pan	AS-70545-01	AS-70545-01	AS-70545-01
		Side Support	AE-70567-01	AE-70567-01	AE-70567-01
9		Corner Post	AS-70563-01	AS-70563-01	AS-70563-01
10		Access Panel (2)	AS-70594-01	AS-70594-01	AS-70594-01
11		Center Post	AS-70585-01	AS-70585-01	AS-70585-01
12		Condenser End Panel (2)	AE-90294-01	AE-90294-01	AE-90294-01
13		Condenser Side Panel	AE-90295-02	AE-90295-02	AE-90295-02
14		Access Panel	AE-70596-01	AE-70596-01	AE-70596-01
15		Connector Panel	AE-70597-01	AE-70597-01	AE-70597-01
		High Pressure Guards (2)	AE-76160-01	AE-76160-01	AE-76160-01
17		Condenser Side Panel	AE-90295-01	AE-90295-01	AE-90295-01
18		Center Post	AS-70565-01	AS-70565-01	AS-70565-01
		Condenser Bulkhead - Blower Supports are spotwelded on	AS-70543-01	AS-70543-01	AS-70543-01
		Top Cross Supports (2) (Attached between the top of the Evaporator coil/Condenser Bulkhead)	AE-71094-01	AE-71094-01	AE-71094-01
20		Corner Post	AS-70720-01	AS-70720-01	AS-70720-01
21		Top Air Duct Panel	AS-70575-01	AS-70575-01	AS-70575-01
22		Relief Damper Cover	AS-70711-01	AS-70711-01	AS-70711-01
23		Bottom Air Duct Panel	AS-70570-01	AS-70570-01	AS-70570-01
24		Supply Air Opening Cover	AS-70577-01	AS-70577-01	AS-70577-01
25		Return Air Opening Cover	AS-70580-01	AS-70580-01	AS-70580-01
27		Top Panel	AS-70614-01	AS-70614-01	AS-70614-01
		Top Back Rail (Under Top Panel attached to Venturi)	AS-70660-01	AS-70660-01	AS-70660-01
28		Grille (2)	AS-51602-01	AS-51602-01	AS-51602-01
29		Center Top Panel	AE-71124-01	AE-71124-01	AE-71124-01
		Venturi (2)	AE-57050-01	AE-57050-01	AE-57050-02

No.	Notes	MODEL COOLING CAPACITY ELECTRICAL DESIGNATION DRIVE PACKAGE VARIATION	RPDC 075 C K/L BLANK	RPDC 075 D K/L BLANK	RPDC 075 Y K/L BLANK	RPDC 075 C K/L A	RPDC 075 D K/L A	RPDC 075 Y K/L A
ELECTRIC GROUP								
		MAIN CONTROL BOX:						
42	Stk	Indoor Blower Contactor	42-17810-83	42-17810-83	42-17810-83	42-17810-83	42-17810-83	42-17810-83
43	Stk	Terminal Block	45-21134-04	45-21134-04	45-21134-04	45-21134-04	45-21134-04	45-21134-04
44	Stk	Transformer (2)	46-42140-01	46-42140-01	46-42222-01	46-42140-01	46-42140-01	46-42222-01
	Stk	Fuse (2)	44-42216-01	44-42216-01	44-42216-01	44-42216-01	44-42216-01	44-42216-01
45	Stk	Fuse Holder (2)	45-42217-01	45-42217-01	45-42217-01	45-42217-01	45-42217-01	45-42217-01
46	Stk,3	Terminal Pieces - See Note 3	45-40361-66	45-40361-66	45-40361-66	45-40361-66	45-40361-66	45-40361-66
46	Stk,3	Terminal End - See Note 3	45-40361-66	45-40361-66	45-40361-66	45-40361-66	45-40361-66	45-40361-66
		CONDENSER CONTROL BOX:						
47	Stk	Defrost Relay (2)	42-19736-05	42-19736-05	42-19736-05	42-19736-05	42-19736-05	42-19736-05
40	Stk	Fan Motor Capacitor	See Fan Group					
48	Stk	Compressor Contactor (2)	42-17810-83	42-17810-83	42-17810-83	42-17810-83	42-17810-83	42-17810-83
49	Stk	Defrost Control (2)	47-21776-01	47-21776-01	47-21776-01	N/A	N/A	N/A
50	Stk	Defrost Relay (2)	42-19736-02	42-19736-02	42-19736-02	N/A	N/A	N/A
51	Stk	Changerover Relay (2)	42-21786-05	42-21786-05	42-21786-05	N/A	N/A	N/A
52	Stk	Defrost Control (2)	N/A	N/A	N/A	47-21517-03	47-21517-03	47-21517-03

No.	Notes	MODEL COOLING CAPACITY ELECTRICAL DESIGNATION DRIVE PACKAGE VARIATION	RPDC 100 C K/L BLANK	RPDC 100 D K/L BLANK	RPDC 100 Y K/L BLANK	RPDC 101 C K/L BLANK	RPDC 101 D K/L BLANK	RPDC 101 C K/L A
ELECTRIC GROUP								
		MAIN CONTROL BOX:						
42	Stk	Indoor Blower Contactor	42-17810-83	42-17810-83	42-17810-83	42-17810-83	42-17810-83	42-17810-83
43	Stk	Terminal Block	45-21134-04	45-21134-04	45-21134-04	45-21134-04	45-21134-04	45-21134-04
44	Stk	Transformer (2)	46-42140-01	46-42140-01	46-42222-01	46-42140-01	46-42140-01	46-42140-01
	Stk	Fuse (2)	44-42216-01	44-42216-01	44-42216-01	44-42216-01	44-42216-01	44-42216-01
45	Stk	Fuse Holder (2)	45-42217-01	45-42217-01	45-42217-01	45-42217-01	45-42217-01	45-42217-01
46	Stk,3	Terminal Pieces - See Note 3	45-40361-66	45-40361-66	45-40361-66	45-40361-66	45-40361-66	45-40361-66
46	Stk,3	Terminal End - See Note 3	45-40361-66	45-40361-66	45-40361-66	45-40361-66	45-40361-66	45-40361-66
		CONDENSER CONTROL BOX:						
47	Stk	Defrost Relay (2)	42-19736-05	42-19736-05	42-19736-05	42-19736-05	42-19736-05	42-19736-05
40	Stk	Fan Motor Capacitor	43-20847-12	43-20847-12	43-20847-11	43-20847-12	43-20847-12	43-20847-12
48	Stk	Compressor Contactor (2)	42-17810-83	42-17810-83	42-17810-83	42-17810-83	42-17810-83	42-17810-83
49	Stk	Defrost Control (2)	47-21776-01	47-21776-01	47-21776-01	47-21776-01	47-21776-01	N/A
50	Stk	Defrost Relay (2)	42-19736-02	42-19736-02	42-19736-02	42-19736-02	42-19736-02	N/A
51	Stk	Changeover Relay (2)	42-21786-05	42-21786-05	42-21786-05	42-21786-05	42-21786-05	N/A
52	Stk	Defrost Control (2)	N/A	N/A	N/A	N/A	N/A	47-21517-03

No.	Notes	MODEL COOLING CAPACITY ELECTRICAL DESIGNATION DRIVE PACKAGE VARIATION	RPDC 101 D K/L A					
ELECTRIC GROUP								
		MAIN CONTROL BOX:						
42	Stk	Indoor Blower Contactor	42-17810-83					
43	Stk	Terminal Block	45-21134-04					
44	Stk	Transformer (2)	46-42222-01					
	Stk	Fuse (2)	44-42216-01					
45	Stk	Fuse Holder (2)	45-42217-01					
46	Stk,3	Terminal Pieces - See Note 3	45-40361-66					
46	Stk,3	Terminal End - See Note 3	45-40361-66					
		CONDENSER CONTROL BOX:						
47	Stk	Defrost Relay (2)	42-19736-05					
40	Stk	Fan Motor Capacitor	43-20847-11					
48	Stk	Compressor Contactor (2)	42-17810-83					
49	Stk	Defrost Control (2)	N/A					
50	Stk	Defrost Relay (2)	N/A					
51	Stk	Changeover Relay (2)	N/A					
52	Stk	Defrost Control (2)	47-21517-03					

No.	Notes	MODEL COOLING CAPACITY ELECTRICAL DESIGNATION DRIVE PACKAGE VARIATION	RPDC 075 C K/L BLANK	RPDC 075 D K/L BLANK	RPDC 075 Y K/L BLANK	RPDC 075 C K/L A	RPDC 075 D K/L A	RPDC 075 Y K/L A
FAN GROUP								
39	Stk	Motor (2)	51-42181-01	51-42180-01	51-42180-02	51-42181-01	51-42180-01	51-42180-02
40	Stk	Capacitor (2)	43-20847-12	43-20847-12	43-20847-11	43-20847-12	43-20847-12	43-20847-11
41	Stk	Fan Blade (2)	70-42113-01	70-42113-01	70-42113-01	70-42113-01	70-42113-01	70-42113-01

No.	Notes	MODEL COOLING CAPACITY ELECTRICAL DESIGNATION DRIVE PACKAGE VARIATION	RPDC 100 C K/L BLANK	RPDC 100 D K/L BLANK	RPDC 100 Y K/L BLANK	RPDC 101 C K/L BLANK	RPDC 101 D K/L BLANK	RPDC 101 C K/L A
FAN GROUP								
39	Stk	Motor (2)	51-42181-01	51-42180-01	51-42180-02	51-21853-11	51-21853-04	51-21853-11
40	Stk	Capacitor (2)	43-20847-12	43-20847-12	43-20847-11	43-20847-04	43-20847-04	43-20847-04
41	Stk	Fan Blade (2)	70-42113-01	70-42113-01	70-42113-01	70-21858-07	70-21858-07	70-21858-07

No.	Notes	MODEL COOLING CAPACITY ELECTRICAL DESIGNATION DRIVE PACKAGE VARIATION	RPDC 101 D K/L A					
FAN GROUP								
39	Stk	Motor (2)	51-21853-04					
40	Stk	Capacitor (2)	43-20847-04					
41	Stk	Fan Blade (2)	70-21858-07					

No.	Notes	MODEL COOLING CAPACITY ELECTRICAL DESIGNATION DRIVE PACKAGE	RPDC 075 C/D K	RPDC 075 Y K	RPDC 075 C/D L	RPDC 075 Y L
BLOWER MOTOR MOUNTING - BELT DRIVE						
59		Motor Plate Top	AE-70600-01	AE-70600-01	AE-70600-01	AE-70600-01
60		Motor Plate Bottom Assembly (including "J" Bolts)	AS-70638-01	AS-70638-01	AS-70638-01	AS-70638-01
	Stk	Fixed Pitch Sheave	71-40432-03	71-40432-03	71-40432-03	71-40432-03
	Stk	Belt	71-40438-22	71-40438-22	71-40438-22	71-40438-22
72	Stk	Variable Pitch Sheave	71-40427-41	71-40427-41	71-40427-29	71-40427-27
73	Stk	Blower Motor	51-42368-01	51-42177-09	51-42369-01	51-42177-10

No.	Notes	MODEL COOLING CAPACITY ELECTRICAL DESIGNATION DRIVE PACKAGE	RPDC 100/101 C/D K	RPDC 100/101 Y K	RPDC 100/101 C/D L	RPDC 100/101 Y L
BLOWER MOTOR MOUNTING - BELT DRIVE						
59		Motor Plate Top	AE-70600-01	AE-70600-01	AE-70600-01	AE-70600-01
60		Motor Plate Bottom Assembly (including "J" Bolts)	AS-70638-01	AS-70638-01	AS-70638-01	AS-70638-01
	Stk	Fixed Pitch Sheave	71-40432-03	71-40432-03	71-40432-03	71-40432-03
	Stk	Belt	71-40438-22	71-40438-22	71-40438-22	71-40438-22
72	Stk	Variable Pitch Sheave	71-40427-27	71-40427-27	71-40427-17	71-40427-17
73	Stk	Blower Motor	51-42370-01	51-42178-09	51-42371-01	51-42177-08

No.	Notes	MODEL COOLING CAPACITY	RPDC 075	RPDC 100	RPDC 101	
BLOWER ASSEMBLY - BELT DRIVE						
54		Blower Assembly Less Motor, Pulleys, Belt and Brackets	70-42212-01	70-42212-01	70-42212-01	
55		Housing	70-42212-07	70-42212-07	70-42212-07	
		Bearings	70-21037-05	70-21037-05	70-21037-05	
56		Bearing Bracket	70-21037-08	70-21037-08	70-21037-08	
		Cut-off	70-42212-06	70-42212-06	70-42212-06	
57		Wheel	70-42212-02	70-42212-02	70-42212-02	
58		Shaft	70-42212-04	70-42212-04	70-42212-04	
61		Blower Bulkhead Assembly	AS-70561-01	AS-70561-01	AS-70561-01	
		Blower Duct:				
62		Side Support (Attached to Bulkhead)	AE-70659-01	AE-70659-01	AE-70659-01	
63		Top Support	AE-70622-01	AE-70622-01	AE-70622-01	
64		Side Support (Attached to Side Blank-off)	AE-70618-01	AE-70618-01	AE-70618-01	
65		Back	AE-70621-01	AE-70621-01	AE-70621-01	
66		Side Blank-Off Plate	AE-70658-01	AE-70658-01	AE-70658-01	
67		Side	AE-70615-01	AE-70615-01	AE-70615-01	
68		Top	AE-70619-01	AE-70619-01	AE-70619-01	
69		Top Blank-Off Plate	AE-70657-01	AE-70657-01	AE-70657-01	

No.	Notes	MODEL COOLING CAPACITY ELECTRICAL DESIGNATION DRIVE PACKAGE VARIATION	RPDC 075 C K/L BLANK	RPDC 075 D K/L BLANK	RPDC 075 Y K/L BLANK	RPDC 075 C K/L A	RPDC 075 D K/L A	RPDC 075 Y K/L A
COMPRESSOR GROUP								
	Stk	Compressor (2)	55-20892-94S	55-20892-95S	55-21924-28S	55-20892-94S	55-20892-95S	55-21924-28S

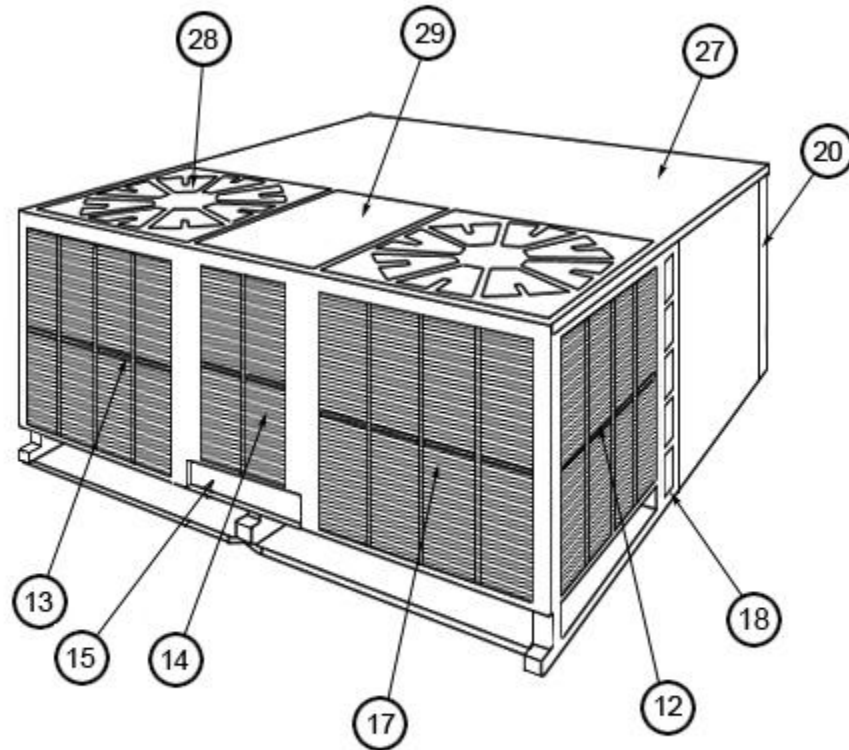
No.	Notes	MODEL COOLING CAPACITY ELECTRICAL DESIGNATION DRIVE PACKAGE VARIATION	RPDC 100 C K/L BLANK	RPDC 100 D K/L BLANK	RPDC 100 Y K/L BLANK	RPDC 101 C K/L BLANK	RPDC 101 D K/L BLANK	RPDC 101 C K/L A
COMPRESSOR GROUP								
	Stk	Compressor (2)	55-22319-14S	55-22319-15S	55-21924-26S	55-22319-14S	55-22319-15S	55-22319-14S

No.	Notes	MODEL COOLING CAPACITY ELECTRICAL DESIGNATION DRIVE PACKAGE VARIATION	RPDC 101 D K/L A					
COMPRESSOR GROUP								
	Stk	Compressor (2)	55-22319-15S					

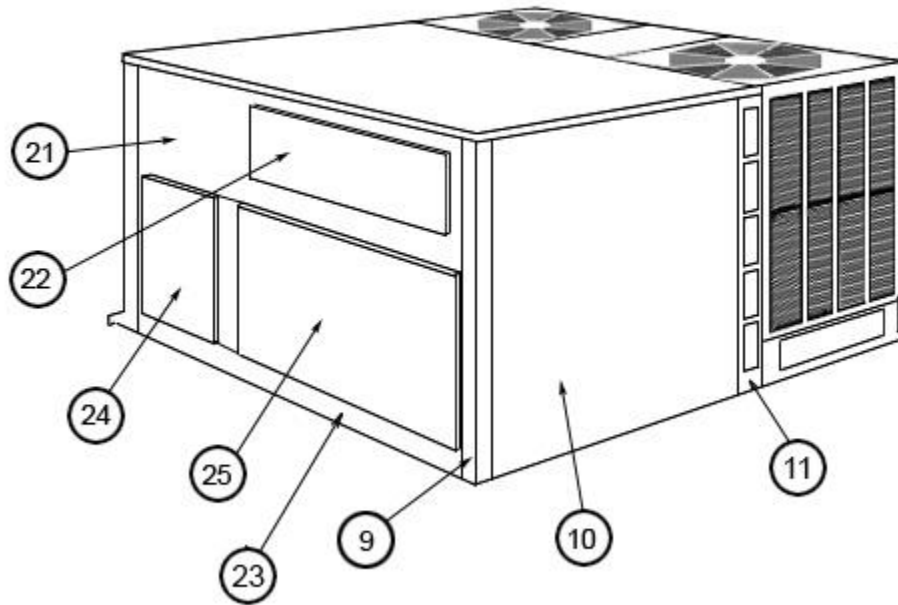
No.	Notes	MODEL COOLING CAPACITY ELECTRICAL DESIGNATION DRIVE PACKAGE VARIATION	RPDC 075 C/D/Y K/L BLANK	RPDC 075 C/D/Y K/L A	RPDC 100 C/D/Y K/L BLANK	RPDC 101 C/D K/L BLANK	RPDC 101 C/D K/L A
COIL GROUP							
	Stk	Evaporator Coil with Expansion Valve	AS-70549-03	AS-70549-03	AS-70551-03	AS-70551-03	AS-70551-03
	Stk,1	Condensing Coil with Expansion Valve-Left Side (Evaporator Coil Side)	AS-77690-01	AS-77690-01	AS-77692-01	AS-77692-01	AS-77692-01
	Stk,1	Condensing Coil with Expansion Valve-Right Side--Blower Side	AS-77689-01	AS-77689-01	AS-77691-01	AS-77691-01	AS-77691-01
	Stk	Expansion Valve - Evaporator Coil (2)	61-21922-24	61-21922-24	61-21922-11	61-21922-11	61-21922-11
	Stk	Check Valve (2)	61-19528-01	61-19528-01	61-19528-01	61-19528-01	61-19528-01
	Stk	2 Way Distributor (2)	83-17467-02	83-17467-02	83-17467-02	83-17467-02	83-17467-02
	Stk	Filter Drier	83-41714-01	83-41714-01	83-41714-01	83-41714-01	83-41714-01
	Stk	Expansion Valve - Condenser Coil (2)	61-21922-17	61-21922-17	61-21922-19	61-21922-19	61-21922-19
	Stk	Check Valve (2)	61-19528-01	61-19528-01	61-19528-01	61-19528-01	61-19528-01
	Stk	Two-Way Distributor (2)	83-17467-02	83-17467-02	83-17467-02	83-17467-02	83-17467-02
	Stk	Accumulator (2)	83-22459-08	83-22459-08	83-22459-10	83-22459-10	83-22459-10
	Stk	Reversing Valve (2)	61-41783-01	61-22880-02	61-41784-01	61-22880-03	61-22880-03
	Stk	Solenoid Coil (2) (C Voltage)	61-41785-01	N/A	61-41785-01	N/A	N/A
	Stk	Solenoid Coil (2) (D Voltage)	61-41785-02	N/A	61-41785-02	N/A	N/A
	Stk	Solenoid Coil (2) (Y Voltage)	61-41785-03	N/A	61-41785-03	N/A	N/A
	Stk	Solenoid Coil (2) (24V)	N/A	61-101713-92	N/A	61-22883-01	61-22883-01
	Stk	Wiring Harness - Reversing Valve (2)	N/A	61-22882-01	N/A	61-22882-03	61-22882-03
	Stk	High Pressure Control (2)	47-21604-01	47-21604-01	47-21604-01	47-21604-03	47-21604-03
	Stk	Discharge Limit Control (2)	47-21555-01	47-21555-01	47-21555-01	47-21555-01	47-21555-01
	Stk	Defrost Sensor (2)	47-21777-01	N/A	47-21777-01	47-21777-07	47-21777-07
		Filter Frame	AS-70552-01	AS-70552-01	AS-70552-01	AS-70552-01	AS-70552-01
		Filter Rack Clips (2)	AE-70554-01	AE-70554-01	AE-70554-01	AE-70554-01	AE-70554-01
	2	Filter 25x25x2	54-17531-22	54-17531-22	54-17531-22	54-17531-22	54-17531-22
	2	Filter 20x25x2	54-41316-05	54-41316-05	54-41316-05	54-41316-05	54-41316-05

No.	Notes	MODEL COOLING CAPACITY	RPDC 075	RPDC 100	RPDC 101
OPTIONS AND ACCESSORIES					
		Economizer	RXPQ-A12Z	RXPQ-A12Z	RXPQ-A12Z
	74	Combination Time Delay and Short Cycle Timers:	RXRW-C12	RXRW-C12	RXRW-C12
		Low Ambient Kit	RXPZ-C12	RXPZ-C12	RXPZ-C12

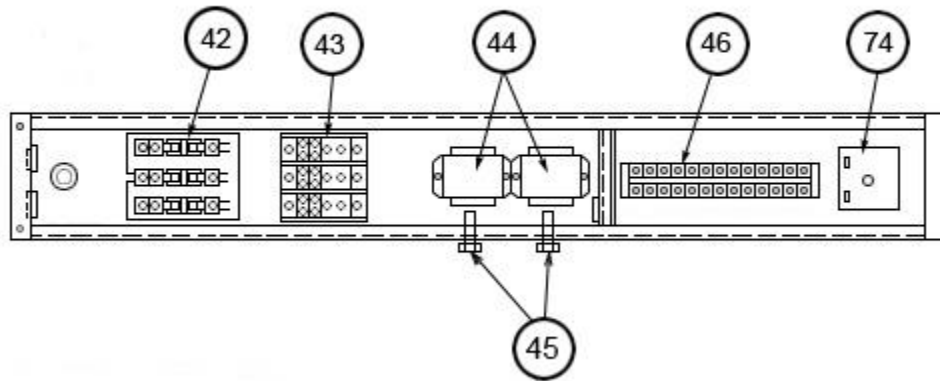
No.	Notes	MODEL COOLING CAPACITY ELECTRICAL DESIGNATION	RPDC 075/100/101 C	RPDC 075/100/101 D	RPDC 075/100/101 Y
HEATER KITS					
		Heater Kit	RXPJ-AD10C	RXPJ-AD10D	
		Heater Kit	RXPJ-AD20C	RXPJ-AD20D	RXPJ-AD20Y
		Heater Kit	RXPJ-AD30C	RXPJ-AD30D	
		Heater Kit	RXPJ-AD40C	RXPJ-AD40D	RXPJ-AD40Y



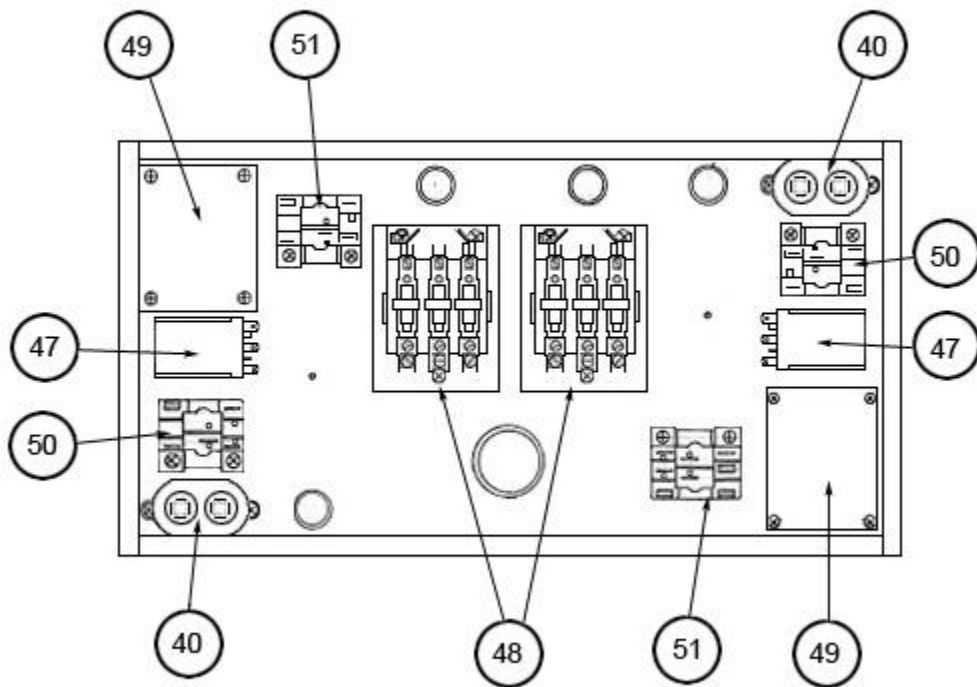
Panels - Front



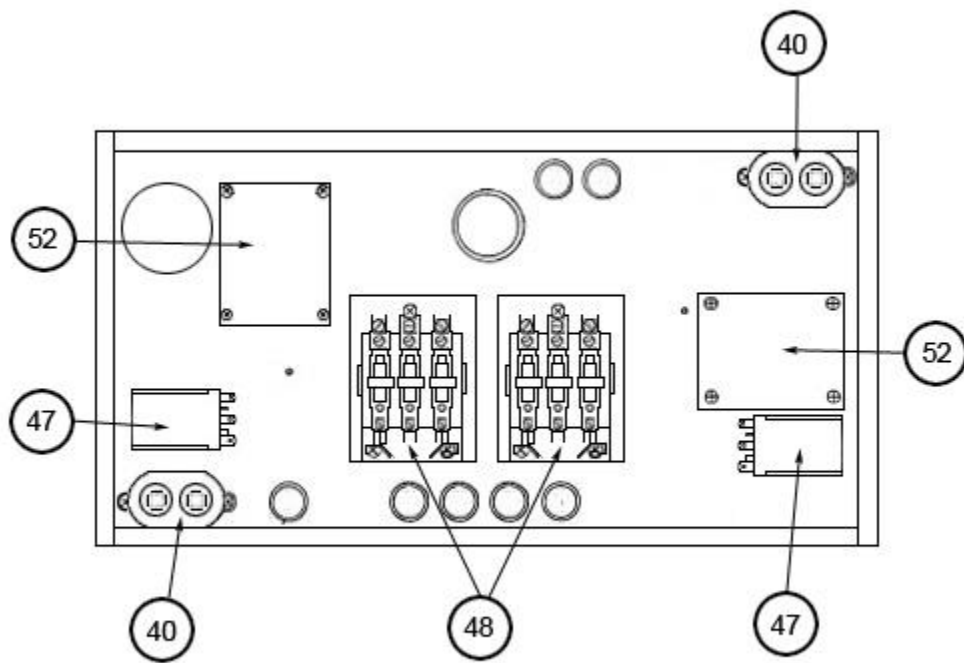
Panels - Rear



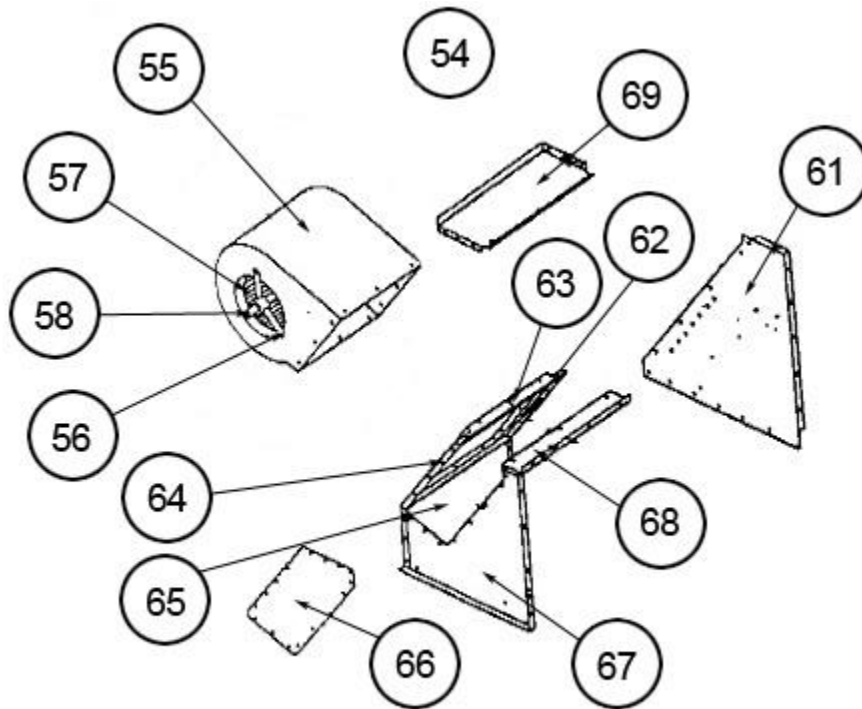
Main Control Box



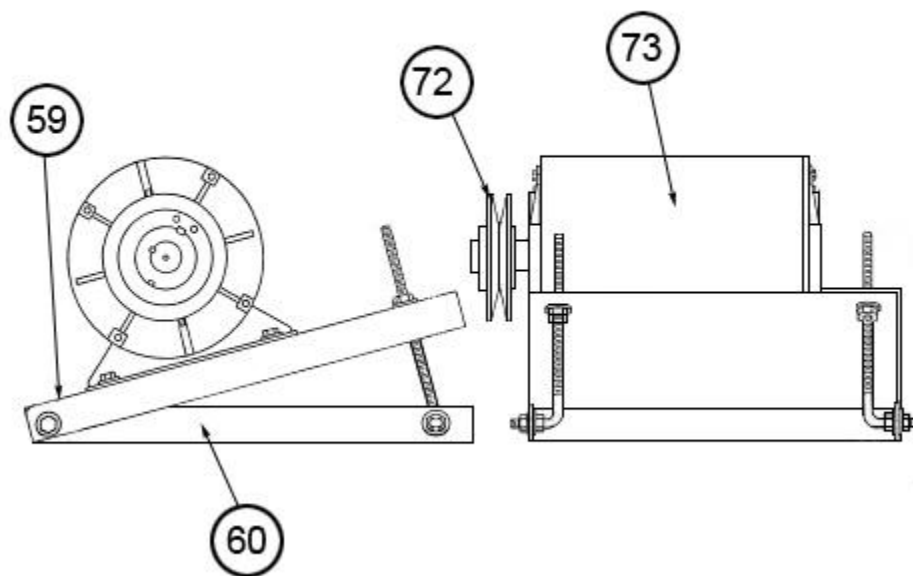
Control Box Condensor 075-100



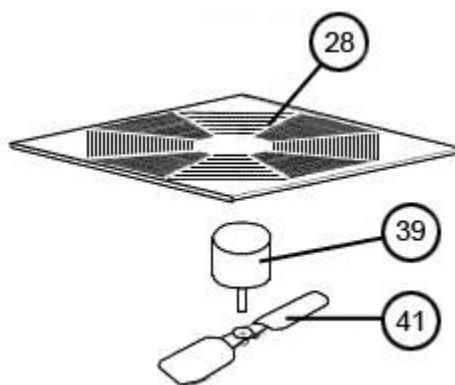
Control Box Condensor 075(A)-101(A)



Blower Assembly



Blower Motor Assembly



Fan Assembly

NOTES

Stk It is recommended that stock be maintained for this part.

N/A Not Applicable

- 1 Left and right coils are determined by facing the compressor section of unit.
- 2 This is a "Hardware Store" item. Size and part number information is provided for reference only.
- 3 45-40361-66 consists of 13 (45-41299-03) terminal blocks and 1 (45-41299-04) endpiece. Order accordingly.

DISCLAIMER: This document is intended to provide general replacement parts information to aid qualified service personnel in the repair of these models. The complete Model and Serial Number of the unit under repair should be specified when selecting and ordering replacement parts. Specifications and illustrations are subject to change without notice. Document 92-42800-RPDC supersedes all previous parts lists for these models. See <http://www.rheempartslists.net/92-42800-RPDC> for the latest revision of this document. The manufacturer assumes no obligation for errors or omissions. Service personnel must verify the proper and safe operation of equipment after the replacement of any original components.