



RP16AZ

Parts List
12-April-2023



*This parts list is current as of the above revision date.
See <http://www.rheempartslists.net/92-42800-RP16AZ.pdf> for the current revision.*

Heat Pumps

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MODEL NUMBER EXPLANATION

R	P	1	6	A	Z	2	4	A	J	3	C	A
1	2	3		4	5	6		7	8	9	10	11

- | | |
|---|--|
| <p>(1) BRAND
R = Rheem</p> <p>(2) PRODUCT CATEGORY
P = Heat Pump</p> <p>(3) SEER2
16 = 16 SEER2</p> <p>(4) REGION
A = All Regions</p> <p>(5) REFRIGERANT
Z = R-410A
Y = R-454B</p> <p>(6) COOLING CAPACITY (BTU/HR)
024 = 24,000 048 = 48,000
036 = 36,000 060 = 60,000</p> | <p>(7) MAJOR SERIES
A = First Design Series</p> <p>(8) VOLTAGE
J = 208-230/1/60
C = 208-230/3/60
D = 460/3/60</p> <p>(9) TYPE
1 = Single Stage
2 = Two Stage
3 = Three Stage
V = Variable</p> <p>(10) CONTROLS
N = Non-Communicating
C = Communicating
U = Other Communication</p> <p>(11) MINOR SERIES
A = First Design Series</p> |
|---|--|

SERIAL NUMBER EXPLANATION

W	0	8	1	3	9	9	9	9
(1)	(2)	(3)	(4)					

- (1) PLANT CODE**
W = West Nuevo Laredo
- (2) WEEK OF PRODUCTION**
- (3) YEAR OF PRODUCTION**
- (4) PRODUCTION NUMBER**

Note: For Compressor Identification Number, see Compressor Code on Rating Plate

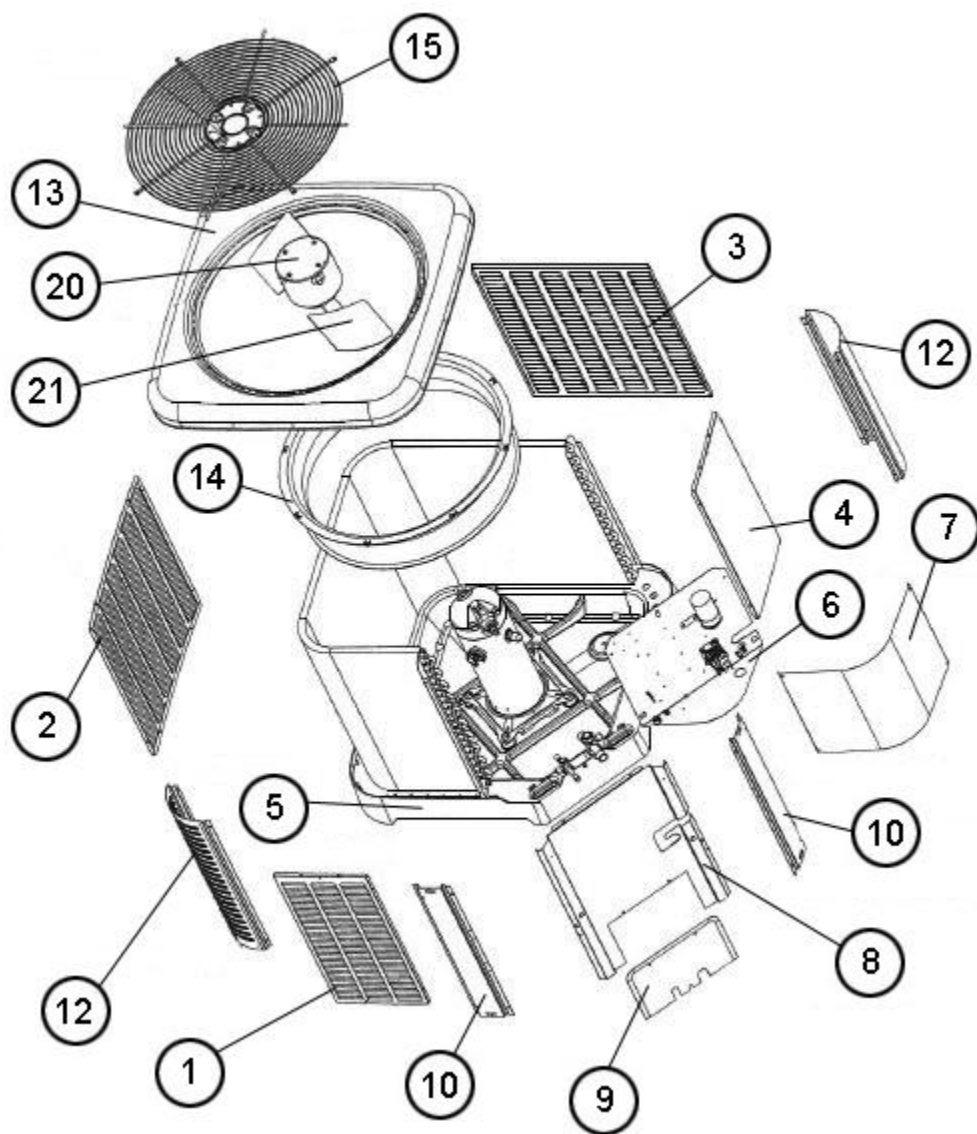
No.	Notes	MODEL COOLING CAPACITY VARIATION	RP16AZ 24 AJ3CA	RP16AZ 36 AJ3CA	RP16AZ 48 AJ3CA	RP16AZ 60 AJ3CA	
SHEET METAL PARTS, MISCELLANEOUS							
1		Front Panel	AE-104456-01	AE-104456-25	AE-104456-25	AE-104456-46	
2		Left Panel (Badge Panel)	AE-104456-12	AE-104456-41	AE-104456-41	AE-104456-57	
3		Back Panel	AE-104456-02	AE-104456-26	AE-104456-26	AE-104456-47	
4		Right Panel	AE-104456-01	AE-104456-25	AE-104456-25	AE-104456-46	
5		Base Pan	68-104457-01	68-104457-02	68-104457-02	68-104457-03	
6		Control Box	AE-104461-12*	AE-104461-13*	AE-104461-13*	AE-104461-13*	
7		Control Box Cover	AS-104462-07H*	AS-104462-02H	AS-104462-02H	AS-104462-02H	
8		Control Box Bracket	AS-104460-27H*	AS-104460-28H*	AS-104460-28H*	AS-104460-29H*	
9		Service Access Panel	N/A	AS-104525-01H	AS-104525-01H	AS-104525-01H	
10		Center Post (2)	AS-104459-03H	AS-104459-07H	AS-104459-07H	AS-104459-11H	
12		Corner Post - Louvered (3)	AS-104469-02H	AS-104469-04H	AS-104469-04H	AS-104469-06H	
13		Top Panel	AS-104458-01H	AS-104458-02H	AS-104458-02H	AS-104458-03H	
14		Venturi	68-104464-02	68-104464-06	68-104464-06	68-104464-05	
15		Grille	95-104620-01	95-104620-02	95-104620-02	95-104620-03	
		Center Cap - Blank (for Grille)	91-101123-00	91-101123-00	91-101123-00	91-101123-00	
		Service Valve - Suction	See Coil Group				
		Service Valve - Liquid	See Coil Group				
		Touch-up Paint - Granite/Steel Gray (Aerosol)	PD523018	PD523018	PD523018	PD523018	
		Touch-up Paint - Granite/Steel Gray (Paint Pens)	PD523019	PD523019	PD523019	PD523019	

No.	Notes	MODEL COOLING CAPACITY VARIATION	RP16AZ 24 AJ3CA	RP16AZ 36 AJ3CA	RP16AZ 48 AJ3CA	RP16AZ 60 AJ3CA	
ELECTRICAL/FAN GROUP							
20	Stk	Fan Motor	51-108351-01	51-108351-01	51-108350-01	51-108349-01	
21	Stk	Fan Blade	70-102345-18	70-102345-01	70-102345-01	70-102345-15	
22	Stk	Contactora	42-102664-33*	42-102664-33*	42-102664-34*	42-102664-34*	
23	Stk	Capacitor	See Compressor Group				
		Capacitor Plate	AE-108665-02*	N/A	N/A	N/A	
		Capacitor Strap	N/A	N/A	AE-104562-01	AE-104562-01	
27		Terminal Block - 3 Pole	45-19382-05*	45-19382-05*	45-19382-05*	45-19382-05*	
28	Stk	High Pressure Control	47-103669-02	47-103669-02	47-103669-02	47-103669-02	
		Pressure Transducer - (SPT) and (LPT)	47-103454-01	47-103454-01	47-103454-01	47-103454-01	
		Outdoor Ambient Sensor (OAT)	47-102709-10	47-102709-10	47-102709-10	47-102709-10	
		Discharge Line Thermistor (DLT)	47-102710-42*	47-102710-42*	47-102710-42*	47-102710-42*	
		Thermistor Assembly (OLT)	47-102710-29	47-102710-29	47-102710-29	47-102710-29	
		Sensor/ Clip Assembly (Evapin OST)	47-108211-07*	47-108211-08*	47-108211-09*	47-108211-09*	
29	Stk	Control Board - Outdoor	47-108464-01*	47-108464-01*	47-108464-01*	47-108464-01*	
29a	Stk	Inverter Drive	47-108489-01	47-108489-01	47-108490-02	47-108490-01	
		Locking Push Mount Tie	64-25340-02	64-25340-02	64-25340-02	64-25340-02	
		Wiring Harness Assembly (Suction Pressure Transducer)	45-104130-03	45-104130-03	45-104130-03	45-104130-03	
		Wiring Harness Assembly (Liquid Pressure Transducer)	45-104130-05	45-104130-05	45-104130-05	45-104130-05	
		Wiring Harness Assembly (Hybrid Drive Capacitor to Contactor Terminals)	45-108340-01*	45-108340-01*	45-108340-01*	45-108340-01*	
		Wiring Harness Assembly (Drive Output)	45-108342-01*	45-108342-01*	45-108342-01*	45-108342-01*	
		Wiring Harness Assembly (Hybrid Drive Power Input to Contactor Terminals)	45-108344-01*	45-108344-01*	45-108344-01*	45-108707-01*	
		Wiring Harness Assembly (Hybrid Drive to Contactor Coil)	45-108376-01*	45-108376-01*	45-108376-01*	45-108376-01*	
		Wiring Harness Assembly (Ground Wire Assembly)	45-108379-01*	45-108379-01*	45-108379-01*	45-108379-01*	
		Wiring Harness Assembly (Hybrid Drive Mobus Communications)	45-109018-01*	45-109018-01*	45-109018-01*	45-109018-01*	
		Compressor Wiring Harness (Low Voltage)	See Compressor Group				
		Compressor Plug Harness	See Compressor Group				

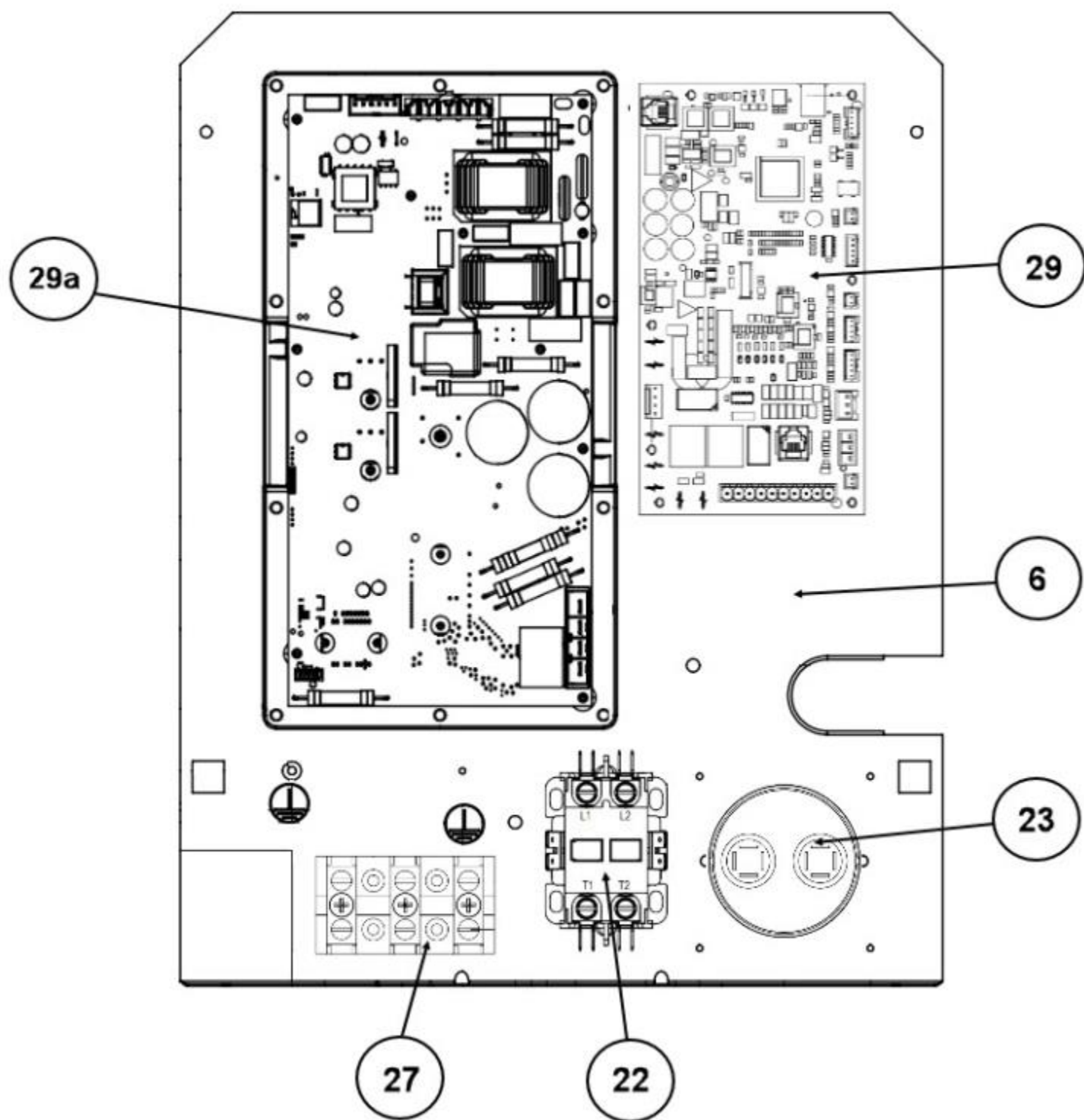
No.	Notes	MODEL COOLING CAPACITY VARIATION	RP16AZ 24 AJ3CA	RP16AZ 36 AJ3CA	RP16AZ 48 AJ3CA	RP16AZ 60 AJ3CA	
COIL GROUP							
30	Stk	Condenser Coil	AS-108643-03*	AS-108663-03*	AS-109036-03*	AS-108642-03*	
31		Service Valve - Suction	61-104914-03	61-104914-03	61-104914-04	61-104914-04	
32		Service Valve - Liquid	61-104914-05	61-104914-05	61-104914-05	61-104914-05	
33a		Access Valve Core	61-18551-01	61-18551-01	61-18551-01	61-18551-01	
33b		Access Valve Cap (Brass)	83-100635-01	83-100635-01	83-100635-01	83-100635-01	
28	Stk	High Pressure Control	See Electrical Group				
	Stk	Filter Drier	83-104825-01	83-104825-01	83-104825-01	83-104825-01	
		Charge Compensator	83-104499-01	N/A	83-104499-11	83-104499-11	
29a	Stk	TXV/Distributor Assembly	61-108300-09*	61-108300-10*	61-108300-11*	61-108300-12*	
29b	Stk	Reversing Valve	61-102498-15*	61-102498-21*	61-102498-16*	61-102498-22*	
	Stk	Solenoid Coil - Reversing Valve	61-101713-92	61-101713-92	61-101713-92	61-101713-92	
		Wiring Harness - Reversing Valve	61-26149-05	61-26149-05	61-26149-05	61-26149-05	

No.	Notes	MODEL COOLING CAPACITY VARIATION	RP16AZ 24 AJ3CA	RP16AZ 36 AJ3CA	RP16AZ 48 AJ3CA	RP16AZ 60 AJ3CA	
COMPRESSOR GROUP							
		Compressor ID:	9788	9789	9791	9790	
40	Stk	Compressor	55-108661-09*	55-108661-10*	55-108661-12*	55-108661-11*	
		Compressor Grommet (4)	56-18518-22*	56-18518-22*	56-18518-23*	56-18518-23*	
		Compressor Bolt (4)	63-20072-07	63-20072-07	63-20072-07	63-20072-07	
		Compressor Sound Wrap	68-23427-27	68-23427-28	68-23427-29	68-23427-29	
		Pressure Relief Valve	61-109025-01*	61-109025-01*	61-109025-01*	61-109025-01*	
		Pressure Relief Solenoid Coil	61-109028-01*	61-109028-01*	61-109028-01*	61-109028-01*	
23	Stk	Capacitor - Compressor/Fan	43-101666-74*	43-101666-75*	43-101666-76*	43-101666-77*	
	Stk	Compressor Wiring Harness (Molded Plug)	45-108341-02*	45-108341-02*	45-108341-03*	45-108341-03*	
	Stk	Gasket - Compressor Molded Plug	68-109261-01*	68-109261-01*	68-109261-01*	68-109261-01*	
		Accumulator	83-104716-01	83-104716-01	83-108723-02	83-108723-02	
		Filter Drier	See Coil Group				
		Muffler	83-104416-01	83-104416-01	83-104416-01	83-104416-01	
		Filter Drier	See Coil Group				
		Charge Compensator	See Coil Group				

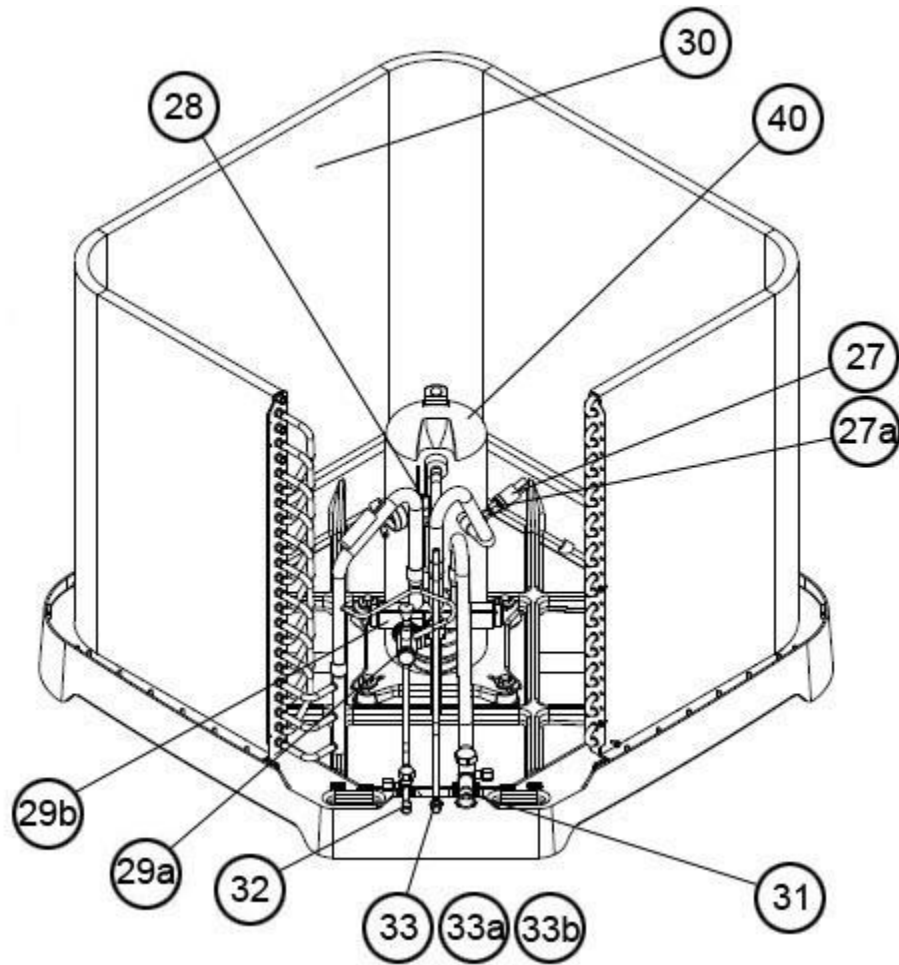
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ACCESSORIES							
		EcoNet Smart Thermostat	RETST800SYS	RETST800SYS	RETST800SYS	RETST800SYS	
		Heat Pump Riser 6 in.	686020	686020	686020	686020	
		Supply/ Return Sensor	RXHT-A02	RXHT-A02	RXHT-A02	RXHT-A02	



Exploded View



Control Box



Valve Mounting, Compressor

NOTES

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

N/A Not Applicable

- 1 Production has utilized both Three-phase and Single-phase fan motors on some units. For these, it is necessary to verify motor type before ordering.

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-RP16AZ supersedes all previous parts lists for these models. See <http://www.rheempartslists.net/92-42800-RP16AZ> 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.