

HEAT PUMPS

Equipped with the Award Winning *Comfort Control System™*

- Increased Reliability
- On-Board Diagnostics
- Fault Recall
- *Active Protection™*



Rheem
Prestige[®]
S E R I E S

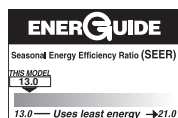
featuring
R-410A
earth friendly refrigerant

RPNL- JEZ

Six Models

Efficiencies ranging up to 15 SEER
in certain matched systems.

Nominal Sizes 2 to 5 Tons
[7.03 kW] to [17.58 kW]



(IN CERTAIN
MATCHED SYSTEMS)

The Rheem *Prestige Series*[®] RPNL- JEZ Heat Pump Outdoor units can provide year-round heating and cooling comfort for residential, multi-family and light commercial applications. They are designed to operate with Rheem indoor units with cooling and heating capacities certified under the ARI Certification program.

The Rheem RHSL-, RHLL- & RHKL- Air Handlers are equipped with auxiliary heating elements for supplementary heat was designed especially for use with the RPNL- Heat Pump. Together they provide systems capable of delivering a maximum HSPF (Heating Seasonal Performance Factor) of 9.35 in the heating mode or a maximum standard S.E.E.R. (Seasonal Energy Efficiency Ratio) of 15.00 in the cooling mode.

The following additional features, plus its energy-saving characteristics, make the RPNL- JEZ Heat Pump outdoor unit an excellent choice for new construction or upgrading your present system.

The Rheem *Prestige Series*[®] RPNL- JEZ Heat Pumps are the result of an ongoing development program for improved efficiencies. With SEER's up to 15.00, these units continue a tradition of high efficiency.

- The *Comfort Control System™* provides on-board diagnostics and fault history for heat pumps with single-phase compressors by detecting system and electrical problems without adding sensors. It can also communicate "fault codes" to enabled "L terminal" thermostats. The integrated diagnostics with *Active Protection* prevents compressor operation when damage would occur.
- 7-Segment LED Display is exclusive only to Rheem products. The information-display quickly and accurately shows technicians the source of malfunctions.
- Five-year conditional unit replacement warranty.
- Compressor sound blanket is standard to provide quiet operation.
- Attractive, louvered wrap around jacket protects coil from weather extremes and yard hazards. Top grille is steel reinforced for extra strength. Cabinet is powder painted for all weather protection.
- Four sided outdoor coil design allows compressor operation with access panel removed.
- Air is discharged upward away from bushes and shrubs. The discharge pattern of the top grille provides minimum air restriction, resulting in quiet fan operation.
- Combination Grille/Motor Mount secures the fan motor to the underside of the discharge grille.
- Removable top grille provides access to the outdoor fan motor and outdoor coil.
- Compressor compartment offers additional protection from the elements and reduces operating noise.
- Single speed, 8-pole fan motor is designed for quieter, energy-saving operation.
- Non-cycling reversing valve and demand defrost.
- All models meet or exceed a 1000-hour salt spray test per ASTM B117 Standard Practice for Operating Salt Spray Testing Apparatus.

FEATURES & BENEFITS OF THE *COMFORT CONTROL SYSTEM*™

- The Rheem exclusive 7-Segment LED Display easily shows system operating status codes and diagnostic codes.

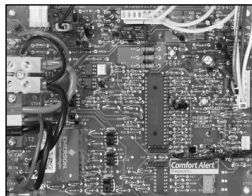
- A Sealed Switch replaces the standard



contactor and features optical control and latching mechanism. The sealed switch prevents infiltration of insects and dust. A minimal switching arc, by the optical control, offers greater reliability. The latching mechanism consumes less power while reducing chatter.



- The Status Indication and System Diagnostics feature thermostat communication capability, built-in diagnostics, high & low voltage monitoring and high & low pressure switch monitoring. The thermostat communication capability alerts the homeowner to any necessary service requirements. Faster, more accurate service is provided by the built-in diagnostics, by providing the HVAC professional with dependable information. With the high and low voltage monitoring feature, the control provides alerts for out-of-range conditions. In addition, high and low pressure-switch monitoring prevents the system from operating outside of its normal parameters.

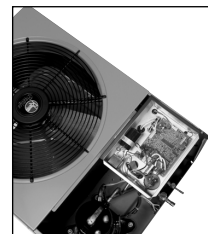


STANDARD FEATURES

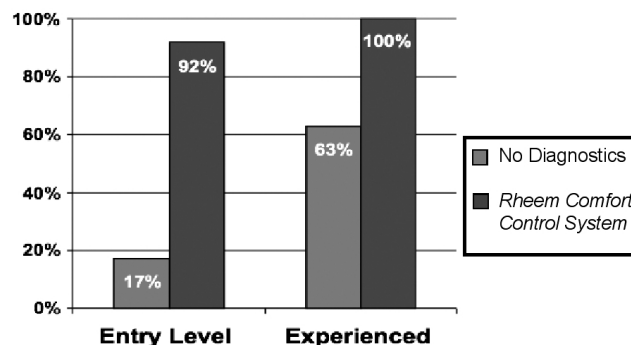
RPNL- JEZ Heat Pump Outdoor Units

1. Scroll compressor is hermetically sealed and incorporates internal high temperature motor overload protection, and durable insulation on the motor windings. It is externally mounted on rubber grommets to reduce vibration and noise.
2. **Enhanced Compressor Protection**—Features an **enhanced defrost control, auto-reset high pressure control, and auto-reset low pressure control** to provide compressor protection under abnormally high head pressure conditions (outdoor fan failure, restriction, dirty coil, etc.) or abnormally low suction pressure conditions (restrictions, TEV failure, loss of charge, indoor blower failure, etc.) while eliminating nuisance tripping sometimes experienced with conventional control systems.
3. Compressors have an internal pressure relief assembly to protect against excessive pressure differential.
4. All refrigerant connections are on the exterior of the unit, located close to the ground for neat appearing installations.
5. Cabinet is constructed of powder painted galvanized steel. The full wrap-around louvered grille protects the coil from damage.
6. Sound Blanket-enhanced compressor sound blanket is standard.
7. **Demand Defrost Control**—Provides complete defrost when defrost is required.
8. **Non-Cycling Reversing Valve**—Eliminates discharge noises on each heating cycle.
9. **Hot Gas Muffler**—Reduces noise in heating cycle.
10. **Bi-Directional Filter Drier**—Standard on RPNL- JEZ models.
11. **Service valves** are standard on all models.
12. **Refrigerant Metering**—TX valves accurately meter refrigerant into indoor and outdoor coils.
13. Copper tube—aluminum fin coils are used on all models.
14. The control box is located in the top corner of the cabinet providing for easy access through a service panel.
15. Service valves are standard on all models.
16. Field connections for power and control wiring are kept separate.
17. Every unit is factory charged and run-tested.
18. Separate compressor compartment for easy service access.
19. Drawn, painted base pan for extra corrosion resistance and sound reduction.
20. The **RPNL- JEZ** has a 10 year limited compressor warranty, plus a 5 year conditional unit replacement warranty.
21. **Hard Start Kits**—Standard on all JEZ models.
22. Control Box Cover.
23. The RPNL- JEZ is shipped with a liquid line filter drier, and also features factory-installed low and high pressure controls.

- The fault recall feature will allow for the last six fault-codes to be displayed, and will retain these codes even if power failure occurs.
- Built-in short-cycle protection allows the compressor to restart easily without oil removal.
- A 30-second minimum run-time for every compressor call enables oil to return to the compressor.
- **Active Protection** monitors the system to prevent nuisance lockouts and prevents compressor operation when potentially harmful conditions are detected.
- The compressor and fan are controlled independently, which reduces the starting load and light dimming.
- A manual push-button is offered to operate the compressor and fan for 5 seconds to allow for an operation check.
- In order to save time and money, replacement automotive fuses can be utilized instead of replacing the entire control board.



Problem-Solving Accuracy



COPELAND® SCROLL® COMPRESSOR

The Copeland scroll compressor is the key to efficiency for this Rheem model. It's the latest in high-efficiency compressor technology. The advanced scroll compressor offers low noise and vibration characteristics and features tolerance to liquid refrigerant and system contamination. The Copeland Scroll also has low start torque, eliminating start problems in the field. And its unique design enables the RPNL- JEZ Heat Pump to perform efficiently, quietly and reliably.

Model Number Identification

<u>R</u>	<u>P</u>	<u>N</u>	<u>L</u>	<u>—</u>	<u>024</u>	<u>J</u>	<u>E</u>	<u>Z</u>
RHEEM	REMOTE HEAT PUMP	13 SEER	DESIGN SERIES		COOLING CAPACITY	ELECTRICAL DESIGNATION	VARIATIONS	COOLING CONNECTION FITTING
			L = R-410A		024 = 24,000 BTU/HR [7.03 kW] 030 = 30,000 BTU/HR [8.79 kW] 036 = 36,000 BTU/HR [10.55 kW] 042 = 42,000 BTU/HR [12.31 kW] 048 = 48,000 BTU/HR [14.07 kW] 060 = 60,000 BTU/HR [17.58 kW]	J = 208/230V-1-60	E = EQUIPPED WITH THE <i>COMFORT CONTROL SYSTEM™</i>	Z = SWEAT W/SCROLL

[] Designates Metric Conversions

Field Installed Accessories

- **Low Ambient Control**—Allows low temperature operation in the cooling cycle down to 0°F [-17.8°C] outdoor temperature. It is recommended that this control be installed in units to be operated for cooling at outdoor ambient temperatures under 65°F [18°C]. (Model No. RXAD-A07)
- **Thermostats**
 - **Compressor Crankcase Heater**—Available through PROSTOCK®.
 - **Thermostats and Subbases**—Available through PROSTOCK®.
 - **Blower Time Delay Control**—RXMD-C04.
 - **Fossil Fuel Kits**—RXPF-01
RXPF-02



300-Series *
Deluxe Programmable



200-Series *
Programmable



100-Series *
Non-Programmable

Brand	Unique Model Number Prefix	Descriptor (3 Characters)	Series (3 Characters)	System (2 Characters)	Type (2 Characters)
RHC	-	TST	101	GE	MS
RHC=Rheem		TST=Thermostat	100=Non-Programmable	GE=Gas/Oil/Electric	SS=Single-Stage
			200=Programmable	HP=Heat Pump	MS=Multi-Stage
			300=Deluxe Programmable	MD=Modulating Furnace	
				DF=Dual Fuel	
				UN=Universal AC/HP/GE	

* Photos are representative. Actual models may vary.

For detailed thermostat match-up information,
see specification sheet form number T11-001.

Rheem Heat Pump System

More than a reverse cycle air conditioner, it's a specially designed combination Winter/Summer comfort system using a single indoor coil for heating and cooling.

For all season home comfort, performance and energy conservation, choose a Rheem RPNL- JEZ Heat Pump and a RHSL, RHLL, or RHKL Series Air Handler.

To choose an Air Handler designed for use with the RPNL- JEZ Heat Pump, refer to the Performance Data Tables and/or the air handler specification sheet.

Performance Data ARI Standard Conditions—Single Phase (Scroll Compressor)

Note: Only these combinations of indoor/outdoor units are approved and any other combinations should not be used.

Model Numbers		ARI Cooling Performance							ARI Heating Performance (70°F [21°C] Indoor)				
		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air							Outdoor Air 47°F [8.5°C] DB/ 43°F [6°C] WB DOE High Temp.		Outdoor Air 17°F [-8.5°C] DB/ 15°F [-9.5°C] WB DOE Low Temp.		DOE Region IV HSPF
		Total Capacity BTU/H [kW]	Net Sens. BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER	Snd. Rate dB	Indoor CFM [L/s]	BTU/H [kW]	COP	BTU/H [kW]	COP	
024JEZ	RCSL-H*2417A* (RHSL-HM2417) ①	23,400 [6.9]	17,350 [5.1]	6,050 [1.8]	11.00	13.00	72	825 [389]	22,800 [6.7]	3.56	14,100 [4.1]	2.36	8.50
	RCFL-H*2414A*+RXMD-C04	23,200 [6.8]	17,150 [5.0]	6,050 [1.8]	10.60	13.00	72	825 [389]	23,000 [6.7]	3.47	14,300 [4.2]	2.31	8.15
	RCFL-H*2417A* (RGFD-06?MCK?)	23,400 [6.9]	17,400 [5.1]	6,000 [1.8]	11.30	13.50	72	800 [378]	22,000 [6.4]	3.92	13,300 [3.9]	2.57	9.20
	RCFL-H*2417A* (RGFD-07?MCK?)	23,600 [6.9]	17,450 [5.1]	6,150 [1.8]	11.40	13.50	72	800 [378]	22,000 [6.4]	3.92	13,300 [3.9]	2.57	9.20
	RCFL-H*2417A* (RGGD-06?MCK?)	23,600 [6.9]	17,500 [5.1]	6,100 [1.8]	11.60	14.00	72	800 [378]	22,000 [6.4]	3.92	13,300 [3.9]	2.57	9.20
	RCFL-H*2417A* (RGGD-07?MCK?)	23,600 [6.9]	17,450 [5.1]	6,150 [1.8]	11.50	14.00	72	800 [378]	22,000 [6.4]	3.92	13,300 [3.9]	2.57	9.20
	RCFL-H*2417A* (RGJD-06?MCK?)	23,600 [6.9]	17,500 [5.1]	6,100 [1.8]	11.60	14.00	72	800 [378]	22,000 [6.4]	3.92	13,300 [3.9]	2.57	9.20
	RCFL-H*2417A* (RGJD-07?MCK?)	23,600 [6.9]	17,450 [5.1]	6,150 [1.8]	11.50	14.00	72	800 [378]	22,000 [6.4]	3.92	13,300 [3.9]	2.57	9.20
	RCFL-H*2417A* (RGPR-05?BMK?)	23,200 [6.8]	17,250 [5.1]	5,950 [1.7]	11.30	13.50	72	775 [366]	22,600 [6.6]	3.65	13,800 [4.0]	2.41	8.45
	RCFL-H*2417A*+RXMD-C04	23,200 [6.8]	17,150 [5.0]	6,050 [1.8]	10.60	13.00	72	825 [389]	23,000 [6.7]	3.47	14,300 [4.2]	2.31	8.15
	RCSL-H*2417A* (17AHL24HM)	23,600 [6.9]	17,450 [5.1]	6,150 [1.8]	11.90	14.00	72	775 [366]	22,400 [6.6]	3.76	13,600 [4.0]	2.48	8.90
	RCSL-H*2417A* (17AHS24HM)	23,400 [6.9]	17,350 [5.1]	6,050 [1.8]	11.00	13.00	72	825 [389]	22,800 [6.7]	3.56	14,100 [4.1]	2.36	8.50
	RCSL-H*2417A* (RHKL-HM2417)	23,600 [6.9]	17,500 [5.1]	6,100 [1.8]	11.60	14.00	72	850 [401]	22,000 [6.4]	3.92	13,300 [3.9]	2.56	9.20
	RCSL-H*2417A* (RHLL-HM2417)	23,600 [6.9]	17,450 [5.1]	6,150 [1.8]	11.90	14.00	72	775 [366]	22,400 [6.6]	3.76	13,600 [4.0]	2.48	8.90
030JEZ	RCSL-H*3617A* (RHSL-HM3017) ①	29,000 [8.5]	26,600 [7.8]	2,400 [0.7]	11.70	13.00	73	1,025 [484]	31,800 [9.3]	3.62	20,200 [5.9]	2.46	8.50
	RCFL-H*3617A*	29,000 [8.5]	26,600 [7.8]	2,400 [0.7]	11.50	13.00	73	1,025 [484]	32,000 [9.4]	3.58	20,400 [6.0]	2.44	8.40
	RCFL-H*3617A* (RGFD-07?MCK?)	29,200 [8.6]	26,850 [7.9]	2,350 [0.7]	12.05	14.00	73	1,000 [472]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25
	RCFL-H*3617A* (RGGD-06?MCK?)	29,200 [8.6]	26,850 [7.9]	2,350 [0.7]	12.10	14.00	73	1,000 [472]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25
	RCFL-H*3617A* (RGGD-07?MCK?)	29,200 [8.6]	26,800 [7.9]	2,400 [0.7]	12.00	14.00	73	1,025 [484]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25
	RCFL-H*3617A* (RGJD-06?MCK?)	29,200 [8.6]	26,850 [7.9]	2,350 [0.7]	12.10	14.00	73	1,000 [472]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25
	RCFL-H*3617A* (RGJD-07?MCK?)	29,200 [8.6]	26,800 [7.9]	2,400 [0.7]	12.00	14.00	73	1,025 [484]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25
	RCFL-H*3617A* (RGPR-05?BMK?)	29,200 [8.6]	26,800 [7.9]	2,400 [0.7]	11.95	14.00	73	1,000 [472]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25
	RCFL-H*3621A*	29,000 [8.5]	26,600 [7.8]	2,400 [0.7]	11.50	13.00	73	1,025 [484]	32,000 [9.4]	3.58	20,400 [6.0]	2.44	8.40
	RCFL-H*3621A* (RGFD-07?MCK?)	29,200 [8.6]	26,850 [7.9]	2,350 [0.7]	12.10	14.00	73	1,000 [472]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25
	RCFL-H*3621A* (RGGD-06?MCK?)	29,400 [8.6]	26,900 [7.9]	2,500 [0.7]	12.15	14.00	73	1,000 [472]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25
	RCFL-H*3621A* (RGGD-07?MCK?)	29,200 [8.6]	26,850 [7.9]	2,350 [0.7]	12.05	14.00	73	1,025 [484]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25
	RCFL-H*3621A* (RGJD-06?MCK?)	29,400 [8.6]	26,900 [7.9]	2,500 [0.7]	12.15	14.00	73	1,000 [472]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25
	RCFL-H*3621A* (RGJD-07?MCK?)	29,200 [8.6]	26,850 [7.9]	2,350 [0.7]	12.05	14.00	73	1,025 [484]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25
	RCFL-H*3621A* (RGLR-07?AMK?)	29,400 [8.6]	27,000 [7.9]	2,400 [0.7]	12.40	14.00	73	1,025 [484]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25
	RCFL-H*3621A* (RGPR-05?BMK?)	29,200 [8.6]	26,800 [7.9]	2,400 [0.7]	12.00	14.00	73	1,000 [472]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25

① Highest sales volume tested combination required by DOE test procedures.

[] Designates Metric Conversions

Performance Data ARI Standard Conditions—Single Phase (Scroll Compressor)

Note: Only these combinations of indoor/outdoor units are approved and any other combinations should not be used.

Model Numbers		ARI Cooling Performance							ARI Heating Performance (70°F [21°C] Indoor)				
		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air							Outdoor Air 47°F [8.5°C] DB/ 43°F [6°C] WB DOE High Temp.		Outdoor Air 17°F [-8.5°C] DB/ 15°F [-9.5°C] WB DOE Low Temp.		DOE Region IV HSPF
		Total Capacity BTU/H [kW]	Net Sens. BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER	Snd. Rate dB	Indoor CFM [L/s]	BTU/H [kW]	COP	BTU/H [kW]	COP	
030JEZ	RCFL-H*3621A* (RGPR-07?AMK?)	29,400 [8.6]	27,000 [7.9]	2,400 [0.7]	12.35	14.00	73	1,000 [472]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25
	RCFL-H*3621A* (RGPR-07?BRQ?)	29,600 [8.7]	27,150 [8.0]	2,450 [0.7]	12.75	15.00	73	1,000 [472]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25
	RCSL-H*3617A* (17AHL36HM)	29,600 [8.7]	27,150 [8.0]	2,450 [0.7]	12.75	15.00	73	1,000 [472]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25
	RCSL-H*3617A* (17AHL30HM)	29,000 [8.5]	26,600 [7.8]	2,400 [0.7]	11.70	13.00	73	1,025 [484]	31,800 [9.3]	3.62	20,200 [5.9]	2.46	8.50
	RCSL-H*3617A* (RHKL-HM3617)	29,600 [8.7]	27,100 [7.9]	2,500 [0.7]	12.60	14.00	73	1,025 [484]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25
	RCSL-H*3617A* (RHLL-HM3617)	29,600 [8.7]	27,150 [8.0]	2,450 [0.7]	12.75	15.00	73	1,000 [472]	30,600 [9.0]	4.00	19,100 [5.6]	2.70	9.25
036JEZ	RCSL-H*3617A* (RHSL-HM3617) ①	38,000 [11.1]	26,850 [7.9]	11,150 [3.3]	11.45	13.00	76	1,200 [566]	42,500 [12.5]	3.54	28,000 [8.2]	2.60	8.50
	RCFL-H*3617A*	37,600 [11.0]	26,550 [7.8]	11,050 [3.2]	11.20	13.00	76	1,100 [519]	42,500 [12.5]	3.50	28,000 [8.2]	2.64	8.40
	RCFL-H*3621A*	38,000 [11.1]	26,850 [7.9]	11,150 [3.3]	11.25	13.00	76	1,200 [566]	42,500 [12.5]	3.52	28,200 [8.3]	2.68	8.45
	RCFL-H*3621A* (RGGD-09?ZCM?)	38,500 [11.3]	27,250 [8.0]	11,250 [3.3]	11.85	13.50	76	1,175 [554]	41,000 [12.0]	3.88	26,600 [7.8]	2.96	9.15
	RCFL-H*3621A* (RGGD-10?ZCM?)	38,500 [11.3]	27,250 [8.0]	11,250 [3.3]	11.85	13.50	76	1,175 [554]	41,000 [12.0]	3.88	26,600 [7.8]	2.96	9.15
	RCFL-H*3621A* (RGJD-09?ZCM?)	38,500 [11.3]	27,250 [8.0]	11,250 [3.3]	11.85	13.50	76	1,175 [554]	41,000 [12.0]	3.88	26,600 [7.8]	2.96	9.15
	RCFL-H*3621A* (RGJD-10?ZCM?)	38,500 [11.3]	27,250 [8.0]	11,250 [3.3]	11.85	13.50	76	1,175 [554]	41,000 [12.0]	3.88	26,600 [7.8]	2.96	9.15
	RCFL-H*3621A* (RGLR-10?BRM?)	38,500 [11.3]	27,300 [8.0]	11,200 [3.3]	12.00	14.00	76	1,200 [566]	41,000 [12.0]	3.88	26,600 [7.8]	2.96	9.15
	RCFL-H*3621A* (RGPR-07?BRQ?)	38,500 [11.3]	27,300 [8.0]	11,200 [3.3]	12.00	14.00	76	1,200 [566]	42,000 [12.3]	3.64	27,600 [8.1]	2.77	8.70
	RCFL-H*3621A* (RGPR-10?BRM?)	38,500 [11.3]	27,200 [8.0]	11,300 [3.3]	11.75	13.50	76	1,225 [578]	42,000 [12.3]	3.64	27,600 [8.1]	2.77	8.70
	RCSL-H*3617A* (17AHL36HM)	38,500 [11.3]	27,350 [8.0]	11,150 [3.3]	12.05	14.00	76	1,200 [566]	41,000 [12.0]	3.88	26,600 [7.8]	2.96	9.15
	RCSL-H*3617A* (17AHL36HM)	38,000 [11.1]	26,850 [7.9]	11,150 [3.3]	11.45	13.00	76	1,200 [566]	42,500 [12.5]	3.54	28,000 [8.2]	2.60	8.50
	RCSL-H*3617A* (RHKL-HM3617)	38,500 [11.3]	27,250 [8.0]	11,250 [3.3]	11.85	13.50	76	1,225 [578]	41,000 [12.0]	3.88	26,600 [7.8]	2.96	9.15
	RCSL-H*3617A* (RHLL-HM3617)	38,500 [11.3]	27,350 [8.0]	11,150 [3.3]	12.05	14.00	76	1,200 [566]	41,000 [12.0]	3.88	26,600 [7.8]	2.96	9.15
	RCSL-H*3621A* (RHSL-HM3621)	38,000 [11.1]	26,850 [7.9]	11,150 [3.3]	11.45	13.00	76	1,200 [566]	42,500 [12.5]	3.54	28,000 [8.2]	2.60	8.50
042JEZ	RCSL-H*4821A* (RHSL-HM4221) ①	43,000 [12.6]	30,800 [9.0]	12,200 [3.6]	11.60	13.00	76	1,400 [661]	42,500 [12.5]	3.66	28,600 [8.4]	2.66	8.50
	RCFL-H*4821A*	42,500 [12.5]	30,300 [8.9]	12,200 [3.6]	11.50	13.00	76	1,400 [661]	42,500 [12.5]	3.64	28,600 [8.4]	2.64	8.40
	RCFL-H*4821A* (RGLR-10?BRM?)	43,500 [12.7]	31,000 [9.1]	12,500 [3.7]	12.10	14.00	76	1,375 [649]	42,000 [12.3]	3.73	28,200 [8.3]	2.71	8.60
	RCFL-H*4821A* (RGPR-07?BRQ?)	43,000 [12.6]	30,950 [9.1]	12,050 [3.5]	12.05	14.00	76	1,400 [661]	42,500 [12.5]	3.68	28,400 [8.3]	2.68	8.50
	RCFL-H*4821A* (RGPR-10?BRM?)	43,000 [12.6]	30,800 [9.0]	12,200 [3.6]	11.80	14.00	76	1,425 [672]	42,500 [12.5]	3.68	28,400 [8.3]	2.68	8.50
	RCFL-H*4824A*	42,500 [12.5]	30,300 [8.9]	12,200 [3.6]	11.50	13.00	76	1,400 [661]	42,500 [12.5]	3.64	28,600 [8.4]	2.64	8.40
	RCFL-H*4824A* (RGGD-12?RCM?)	43,500 [12.7]	31,050 [9.1]	12,450 [3.6]	11.95	14.00	76	1,450 [684]	42,000 [12.3]	3.74	28,200 [8.3]	2.72	8.65
	RCFL-H*4824A* (RGJD-12?RCM?)	43,500 [12.7]	31,050 [9.1]	12,450 [3.6]	11.95	14.00	76	1,450 [684]	42,000 [12.3]	3.73	28,200 [8.3]	2.71	8.65
	RCFL-H*4824A* (RGLR-10?BRM?)	43,500 [12.7]	31,000 [9.1]	12,500 [3.7]	12.10	14.00	76	1,375 [649]	42,000 [12.3]	3.73	28,200 [8.3]	2.71	8.65

① Highest sales volume tested combination required by DOE test procedures.

[] Designates Metric Conversions

Performance Data ARI Standard Conditions—Single Phase (Scroll Compressor)

Note: Only these combinations of indoor/outdoor units are approved and any other combinations should not be used.

Model Numbers		ARI Cooling Performance							ARI Heating Performance (70°F [21°C] Indoor)				
		80°F [26.5°C] DB/67°F [19.5°C] WB Indoor Air 95°F [35°C] DB Outdoor Air							Outdoor Air 47°F [8.5°C] DB/ 43°F [6°C] WB DOE High Temp.		Outdoor Air 17°F [-8.5°C] DB/ 15°F [-9.5°C] WB DOE Low Temp.		DOE Region IV HSPF
		Total Capacity BTU/H [kW]	Net Sens. BTU/H [kW]	Net Latent BTU/H [kW]	EER	SEER	Snd. Rate dB	Indoor CFM [L/s]	BTU/H [kW]	COP	BTU/H [kW]	COP	
042JEZ	RCFL-H*4824A* (RGLR-12?ARM?)	43,000 [12.6]	30,950 [9.1]	12,050 [3.5]	12.05	14.00	76	1,425 [672]	42,000 [12.3]	3.73	28,200 [8.3]	2.71	8.65
	RCFL-H*4824A* (RGPR-07?BRQ?)	43,000 [12.6]	30,950 [9.1]	12,050 [3.5]	12.05	14.00	76	1,400 [661]	42,500 [12.5]	3.68	28,400 [8.3]	2.68	8.50
	RCFL-H*4824A* (RGPR-10?BRM?)	43,000 [12.6]	30,800 [9.0]	12,200 [3.6]	11.80	14.00	76	1,425 [672]	42,500 [12.5]	3.68	28,400 [8.3]	2.68	8.50
	RCFL-H*4824A* (RGPR-12?ARM?)	43,000 [12.6]	30,950 [9.1]	12,050 [3.5]	12.05	14.00	76	1,400 [661]	42,500 [12.5]	3.68	28,400 [8.3]	2.68	8.50
	RCSL-H*4821A* (17AHL48HM)	43,500 [12.7]	31,100 [9.1]	12,400 [3.6]	12.35	14.00	76	1,400 [661]	41,000 [12.0]	4.10	27,000 [7.9]	2.96	9.35
	RCSL-H*4821A* (17AHL42HM)	43,000 [12.6]	30,800 [9.0]	12,200 [3.6]	11.60	13.00	76	1,400 [661]	42,500 [12.5]	3.66	28,600 [8.4]	2.66	8.50
	RCSL-H*4821A* (RHKL-HM4821)	43,500 [12.7]	31,050 [9.1]	12,450 [3.6]	12.25	14.00	76	1,400 [661]	41,000 [12.0]	4.10	27,000 [7.9]	2.96	9.35
	RCSL-H*4821A* (RHLL-HM4821)	43,500 [12.7]	31,100 [9.1]	12,400 [3.6]	12.35	14.00	76	1,400 [661]	41,000 [12.0]	4.10	27,000 [7.9]	2.96	9.35
048JEZ	RCSL-H*4821A* (RHSL-HM4821) ①	47,000 [13.8]	33,850 [9.9]	13,150 [3.9]	11.30	13.00	76	1,525 [720]	46,500 [13.6]	3.58	28,600 [8.4]	2.46	8.50
	RCFL-H*4821A*	46,500 [13.6]	33,350 [9.8]	13,150 [3.9]	11.15	13.00	76	1,525 [720]	46,500 [13.6]	3.54	28,800 [8.4]	2.46	8.30
	RCFL-H*4824A*	46,500 [13.6]	33,350 [9.8]	13,150 [3.9]	11.15	13.00	76	1,525 [720]	46,500 [13.6]	3.54	28,800 [8.4]	2.46	8.30
	RCSL-H*4821A* (21AHL48HM)	47,500 [13.9]	34,250 [10]	13,250 [3.9]	11.75	14.00	76	1,600 [755]	46,000 [13.5]	3.64	28,200 [8.3]	2.52	8.50
	RCSL-H*4821A* (21AHL48HM)	47,000 [13.8]	33,850 [9.9]	13,150 [3.9]	11.30	13.00	76	1,525 [720]	46,500 [13.6]	3.58	28,600 [8.4]	2.46	8.50
	RCSL-H*4821A* (RHKL-HM4821)	47,500 [13.9]	34,100 [10]	13,400 [3.9]	11.65	13.50	76	1,575 [743]	46,000 [13.5]	3.64	28,200 [8.3]	2.52	8.50
	RCSL-H*4821A* (RHLL-HM4821)	47,500 [13.9]	34,250 [10]	13,250 [3.9]	11.75	14.00	76	1,600 [755]	46,000 [13.5]	3.64	28,200 [8.3]	2.52	8.50
	RCSL-H*4824A* (24AHL48HM)	48,000 [14.1]	34,550 [10.1]	13,450 [3.9]	12.10	14.00	76	1,625 [767]	46,000 [13.5]	3.70	28,000 [8.2]	2.56	8.50
	RCSL-H*4824A* (RHKL-HM4824)	48,000 [14.1]	34,500 [10.1]	13,500 [4.0]	12.05	14.00	76	1,625 [767]	46,000 [13.5]	3.70	28,000 [8.2]	2.56	8.60
	RCSL-H*4824A* (RHLL-HM4824)	48,000 [14.1]	34,550 [10.1]	13,450 [3.9]	12.10	14.00	76	1,625 [767]	46,000 [13.5]	3.70	28,000 [8.2]	2.56	8.50
	RCSL-H*4824A* (RHSL-HM4824)	47,000 [13.8]	33,850 [9.9]	13,150 [3.9]	11.30	13.00	76	1,525 [720]	46,500 [13.6]	3.58	28,600 [8.4]	2.46	8.50
060JEZ	RCSL-H*6024A* (RHLL-HM6024) ①	60,500 [17.7]	43,100 [12.6]	17,400 [5.1]	11.15	13.00	76	1,800 [849]	58,500 [17.1]	3.66	38,000 [11.1]	2.72	8.50
	RCSL-H*6024A* (24AHL60HM)	60,500 [17.7]	43,100 [12.6]	17,400 [5.1]	11.15	13.00	76	1,800 [849]	58,500 [17.1]	3.66	38,000 [11.1]	2.72	8.50
	RCSL-H*6024A* (RHKL-HM6024)	60,500 [17.7]	43,100 [12.6]	17,400 [5.1]	11.15	13.00	76	1,800 [849]	58,500 [17.1]	3.66	38,000 [11.1]	2.72	8.50

① Highest sales volume tested combination required by DOE test procedures.

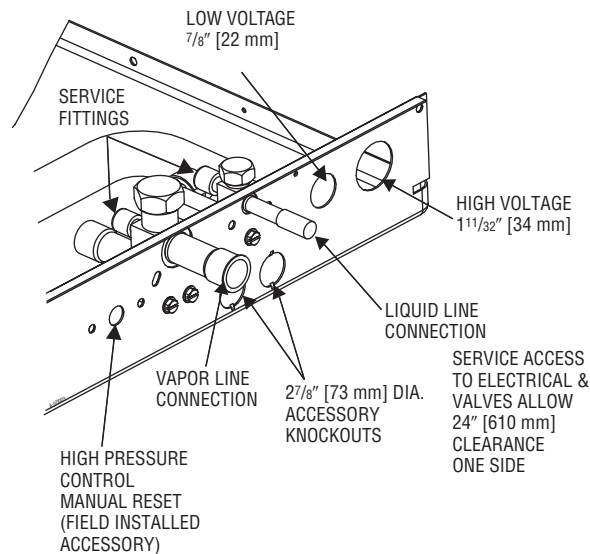
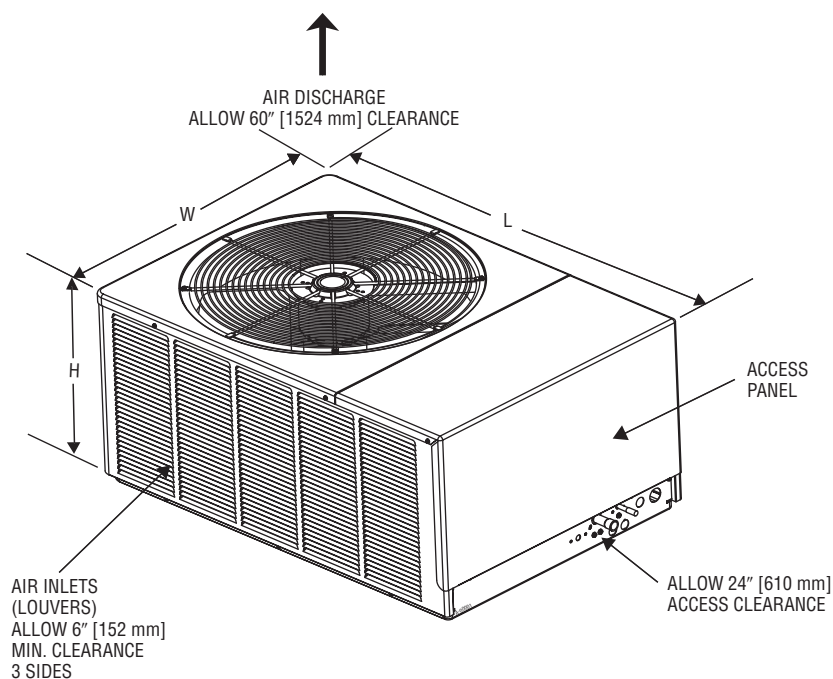
[] Designates Metric Conversions

Electrical and Physical Data

Model Number RPNL-	ELECTRICAL							PHYSICAL						
	Phase Frequency (Hz) Voltage (Volts)	Compressor		Fan Motor Full Load Amperes (FLA)	Minimum Circuit Ampacity Amperes	Fuse or HACR Circuit Breaker		Outdoor Coil			R22 Oz. [g]	Weight		
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)			Minimum Amperes	Maximum Amperes	Face Area Sq. Ft. [m²]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Shipping Lbs. [kg]	
024JEZ	1-60-208-230	12.5/12.5	54	0.8	17/17	20/20	25/25	8.18 [0.76]	1	1925 [908]	86 [2438]	130 [59]	140 [63.5]	
030JEZ	1-60-208-230	14.1/14.1	73	0.8	19/19	25/25	30/30	20.13 [1.87]	1	2650 [1251]	133 [3771]	200 [90.7]	210 [95.3]	
036JEZ	1-60-208-230	17.9/17.9	112	1.2	24/24	30/30	40/40	23.01 [2.14]	1	3575 [1687]	145 [4111]	220 [99.8]	230 [104.3]	
042JEZ	1-60-208-230	20.5/20.5	109	1.2	27/27	35/35	45/45	23.01 [2.14]	1	3575 [1687]	160 [4536]	230 [104.3]	240 [108.9]	
048JEZ	1-60-208-230	21.8/21.8	117	1.2	29/29	35/35	50/50	23.01 [2.14]	1	3575 [1687]	160 [4536]	250 [113.4]	260 [117.9]	
060JEZ	1-60-208-230	26.3/26.3	134	1.2	35/35	45/45	60/60	23.01 [2.14]	1	3350 [1581]	242 [6861]	280 [127]	290 [131.5]	

[] Designates Metric Conversions

Unit Dimensions



Model Number RPNL-	Height "H" (Inches) [mm]	Length "L" (Inches) [mm]	Width "W" (Inches) [mm]
024JEZ	19 [482]	40 1/2 [1028]	27 5/8 [701]
030JEZ	29 [736]	44 3/8 [1127]	31 1/2 [800]
036JEZ/042JEZ/048JEZ/060JEZ	33 [838]	44 3/8 [1127]	31 1/2 [800]

Heat Pump Refrigerant Line Size Information

System Capacity	Line Size Connection Size (Inch I.D.) [mm]	Line Size (Inch O.D.) [mm]	Liquid Line Size					
			Outdoor Unit Above or Below Indoor Coil (Heat Pumps Only)					
			Total Equivalent Length—Feet [m]					
			25 [7.62]	50 [15.24]	75 [22.86]	100 [30.48]	125 [38.10]	150 [45.72]
Maximum Vertical Separation—Feet [m]								
2 Ton	5/16" [7.94]	1/4* [6.35]	23 [7.01]	N/A	N/A	N/A	N/A	N/A
		5/16 [7.94]	25 [7.62]	36 [10.97]	29 [8.84]	23 [7.01]	16 [4.88]	9 [2.74]
		3/8 [9.53]	25 [7.62]	50 [15.24]	72 [21.95]	70 [21.34]	68 [20.73]	65 [19.81]
2½ Ton	5/16" [7.94]	1/4* [6.35]	25 [7.62]	N/A	N/A	N/A	N/A	N/A
		5/16 [7.94]	25 [7.62]	49 [14.94]	38 [11.58]	27 [8.23]	17 [5.18]	6 [1.83]
		3/8 [9.53]	25 [7.62]	50 [15.24]	68 [20.73]	65 [19.81]	62 [18.90]	58 [17.68]
3 Ton	5/16" [7.94]	5/16* [7.94]	25 [7.62]	50 [15.24]	37 [11.28]	22 [6.71]	7 [2.13]	N/A
		3/8 [9.53]	25 [7.62]	50 [15.24]	68 [20.73]	63 [19.20]	58 [17.68]	53 [16.15]
3½ Ton	5/16" [7.94]	5/16* [7.94]	25 [7.62]	23 [7.01]	4 [1.22]	N/A	N/A	N/A
		3/8 [9.53]	25 [7.62]	50 [15.24]	43 [13.11]	36 [10.97]	30 [9.14]	24 [7.32]
4 Ton	3/8" [9.53]	3/8* [9.53]	25 [7.62]	46 [14.02]	38 [11.58]	30 [9.14]	22 [6.71]	15 [4.57]
		1/2 [12.7]	25 [7.62]	50 [15.24]	56 [17.07]	55 [16.76]	53 [16.15]	52 [15.85]
5 Ton	3/8" [9.53]	3/8* [9.53]	25 [7.62]	50 [15.24]	56 [17.07]	44 [13.41]	32 [9.75]	20 [6.10]
		1/2 [12.7]	25 [7.62]	50 [15.24]	75 [22.86]	81 [24.69]	79 [24.08]	76 [24.09]

NOTES:
*Standard line size
N/A = Application not recommended.

Suction Line Length/Size versus Capacity Multiplier (R-410A)								
Unit Size		2 Ton	2½ Ton	3 Ton	3½ Ton	4 Ton	5 Ton	
Suction Line Connection Size		3/4" [19.05] I.D.		7/8" [22.23] I.D.				
Suction Line Run—Feet [m]		5/8" [15.88 mm] O.D. Optional ¾" [19.05 mm] O.D. Standard* 7/8" [22.23 mm] O.D. Optional		¾" [19.05 mm] O.D. Optional 7/8" [22.23 mm] O.D. Standard* 1 1/8" [28.58 mm] O.D. Optional		7/8" [22.23 mm] O.D. Optional 1 1/8" [28.58 mm] O.D. Standard* 1 3/8" [34.93 mm] O.D. Optional		
25' [7.62]	Optional	1.00	1.00	1.00	1.00	1.00	1.00	
	Standard	1.00	1.00	1.00	1.00	1.00	1.00	
	Optional	N/A	1.00	N/A	N/A	N/A	N/A	
50' [15.24]	Optional	.98	.96	.98	.99	.99	.99	
	Standard	.99	.98	.99	.99	.99	.99	
	Optional	N/A	.99	N/A	N/A	N/A	N/A	
100' [30.48]	Optional	.95	.94	.96	.96	.96	.97	
	Standard	.96	.96	.97	.98	.98	.98	
	Optional	N/A	.97	N/A	N/A	N/A	N/A	
150' [45.72]	Optional	.92	.91	.94	.94	.95	.94	
	Standard	.94	.93	.95	.96	.96	.97	
	Optional	N/A	.95	N/A	N/A	N/A	N/A	

NOTES:
*Standard line size
N/A = Line size not recommended due to inadequate oil return.

[] Designates Metric Conversions

BEFORE PURCHASING THIS APPLIANCE, READ IMPORTANT ENERGY COST AND EFFICIENCY INFORMATION AVAILABLE FROM YOUR RETAILER.

GENERAL TERMS OF LIMITED WARRANTY

Rheem will furnish a replacement for any part of this product which fails in normal use and service within the applicable period stated, in accordance with the terms of the limited warranty.

For Complete Details of the Limited Warranty, Including Applicable Terms and Conditions, See Your Local Installer or Contact the Manufacturer for a Copy.

- Condenser Coil leaks caused by
factory defects.....Five (5) Years
- Compressor
JEZ Models Ten (10) Years
- *Any Other Part Five (5) Years

***This five year limited warranty is applicable only to single-phase products installed in residential applications on or after January 1, 2001.**

RPNL- JEZ Conditional Replacement Warranty:
Rheem will provide a replacement model (if an exact replacement is not available, an equivalent product will be provided) to the original purchaser if the compressor fails within 5 years (providing the unit is installed with a new Rheem Air Handler OR Rheem Indoor Coil with a Rheem Gas Furnace, and is properly matched as specified by Rheem as listed in the Air Conditioning Institute (ARI) published rating, and if additional conditions are satisfied. See product warranty card for additional information.

NOTES

NOTES

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

**RHEEM
AIR CONDITIONING
DIVISION**

5600 Old Greenwood Road, Fort Smith, Arkansas 72908



"In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice."