



## Our Philosophy of Innovation

We meticulously evaluated every detail of this product from every angle, considering the work that goes into installing and servicing our products, as well as how we can deliver the very best homeowner experience. And then we take it a step further. That's 360°+1. And that's why you can count on your heat pump and air handler to bring you and your family years of comfort.



The new degree of comfort.®

Sound & Space  
Constraint Solutions  
RP17\*\*H /  
RHMV\*\*\*\*\*N

## Optional Accessories

Type	Accessory Name	Model Number
Thermostat	1 Wired Controller	RXRNRUZ <sup>2</sup>
	2 Simple Controller	RXRSRY <sup>2</sup>
Converter	3 Thermostat Converter	RXTTRX
Wireless Remote Controller	4 IR Receiver Kit with Wireless Remote Controller	RXLBTUM



## How to Speak Heating & Cooling

### Variable Speed System

Operates at all levels, making ongoing adjustments to maximize comfort, saving the most energy during peak and non-peak heating and cooling demands.

### SEER

Seasonal Energy Efficiency Rating (SEER) is used to express the efficiency of an air conditioning unit, or a heat pump in cooling mode. The higher the SEER rating, the more efficient the unit.

### EER

Energy Efficiency Ratio (EER) is the cooling capacity of the air conditioner in BTUs per hour to the total electrical input in watts. This measure is determined by comparing test units to the Air Conditioning and Refrigeration Institute specifications.

### HSPF

Heating Seasonal Performance Factor (HSPF) is used to express the efficiency of heat pumps. The higher the HSPF, the more efficient the unit.

## System Benefits At-A-Glance

### Cooling Efficiency:

19 SEER / 12 EER

### Heating Efficiency:

10.7 HSPF

### Outdoor Sound Level:

Levels as low as 53 dB(A) contribute to extremely quieter operation than conventional HVAC systems

### Heat Pump Compressor:

Variable-speed, inverter-driven rotary compressor

### Air Handler Motor:

Constant CFM variable speed modulating airflow

### Air Handler Evaporator Coil:

All-aluminum

### Optional Electric Heat<sup>2</sup>:

Thermostat (Model No. RXRSRY or RXRNRUZ<sup>2</sup>) required as a tool to configure electric heat

### Limited Warranty<sup>1</sup>:

Parts—10-year



Rheem Heating, Cooling  
& Water Heating

As the only brand bringing innovative air and water solutions to homes and businesses around the world, Rheem® continues to deliver advanced comfort, savings and experiences to our customers—just as we've done for nearly 100 years.

To learn more about our products, including our line of Integrated Home Comfort Solutions, visit us at [Rheem.com](http://Rheem.com)



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

[Rheem.com](http://Rheem.com)

# COMPACT, QUIET COMFORT

The Rheem® *Classic Plus*® Side-Discharge Heat Pump & Multi-Position Air Handler offers a **Sound & Space Constraint Solution** that provides system options for installations with tight space requirements and/or outdoor sound regulations with the solid technology and energy-saving performance you've come to expect from Rheem.

## Classic Plus Series System

Heat Pump Model RP17\*\*H

Air Handler Model RHMV\*\*\*\*\*N

Cooling Efficiencies: 19 SEER / 12 EER

Heating Efficiencies: 10.7 HSPF

## Highly Energy Efficient, Variable Speed Inverter Technology

With variable speed inverter technology, you can rely on your system to quickly and consistently adapt to your heating and cooling needs, regardless of the conditions outside.

## Exceptional Quality & Dependability

Our *Classic Plus* Series includes features that help fight corrosion, reduce leaks and enhance the overall strength of your system. The air handler and heat pump are both backed by a 10-year limited parts warranty<sup>1</sup>.

## Ideal for Applications with Space Constraints

The Side-Discharge Heat Pump allows for flexible installation in tight outdoor spaces, while the indoor 3-Way Multi-Position Air Handler provides multiple configuration options.

## Quiet Operation

Whether noise control is a requirement or not, we've got you covered. With the excellent sound insulation on our air handler, along with the streamlined airflow our heat pump provides, your system will provide the peace and quiet you want, regardless of the reason why.



YOUR LOCAL RHEEM CONTRACTOR

<sup>1</sup>For complete details of the limited and conditional warranties, including applicable terms and conditions, contact your local contractor. <sup>2</sup>Thermostat (Model No. RXRSRY or RXRNRUZ<sup>2</sup>) required as a tool to configure electric heat and other function codes.



A Sound & Space Constraint Solution for application challenges including, but not limited to: condominiums, zero lot-line boundaries, multi-family housing, rooftop terraces and balconies, and those with acoustic requirements.



condominiums



zero lot-line boundaries



multi-family housing



rooftop terraces



acoustic requirements

## A Sound & Space Constraint Solution

### Optimal, Energy Efficient Comfort Year-Round

The variable speed, inverter technology on the Rheem® *Classic Plus*® Series RP17\*\*H Heat Pump provides just the right amount of heating and cooling under all conditions for dependable comfort and energy savings year-round.

Also, the Rheem RHMV\*\*\*\*N Air Handler features a high-efficiency, constant CFM, variable-speed motor with modulating airflow—the heart of the air handler. When the unit is matched with the RP17\*\*H Heat Pump, it is able to run at speeds that match the requirements of the home. This provides even temperatures so there is no need to continuously adjust your thermostat, reducing your energy usage.

### Humidity Control

The air handler manages humidity levels in the home, improving your comfort and helping you to save money on energy bills. The factory-installed variable speed blower motor within the air handler cabinet, is a key component for your system. Superior humidity control, improved system performance, and the high-quality standards used in manufacturing, ensures long-lasting, dependable performance.

### Space-Saver Solution

The Rheem *Classic Plus* Series Side-Discharge Heat Pump & Multi-Position Air Handler system offers a solution to space constraints. The Side Discharge Heat Pump allows for flexible installation in tight outdoor spaces with a minimum clearance of only 21" on 3-sides, while the 3-Way Multi-Position Air Handler provides multiple indoor configuration options.

### Quiet Operation Inside & Out

The Rheem RHMV\*\*\*\*N Air Handler is designed with a sturdy steel cabinet with 1" of foil-faced insulation, offering excellent thermal and sound insulation to keep your indoor environment nice and quiet. By adjusting to comfort requirement and running at lower speeds throughout the day, our RP17\*\*H Heat Pump is able to streamline airflow and reduce vibration, allowing for a much quieter outdoor operation than conventional outdoor units down to 53 dB(A).



Indoor unit model		RHMV2421MNACJA	RHMV3021SNACJA	RHMV3621MNACJA	RHMV4821SNACJA		
Outdoor unit model		RP1724HJVXA	RP1730HJVXA	RP1736HJVXA	RP1748HJVXA		
Power supply		Single-phase 208/230V 60Hz					
Available voltage range		187–253V					
Static pressure range		0.1–1.0 inWG					
Cooling character	Rated	Capacity	BTU/h	24,000	30,000	36,000	45,600
		Power consumption	kW	2.00	2.97	3.18	5.56
		EER	BTU/hW	12.00	10.10	11.30	8.20
	SEER	BTU/hW	19.00	18.50	18.00	17.00	
	Operating current	A	8.80	13.00	14.00	24.40	
	Max operating current	A	15.60		32.40		
	Capacity range	BTU/h	5,400–29,000	9,600–35,000	13,000–38,000	13,000–48,000	
	Noise level	Indoor unit (H/M/L/O)	dB(A)	40/34/32/26	42/37/33/28	41/30/27/24	48/36/31/25
		Outdoor unit	dB(A)	53		53	54
	Heating character	Rated	Capacity	BTU/h	27,000	32,000	42,000
Power consumption			kW	2.48	3.02	3.82	5.35
COP			BTU/hW	10.90	10.60	11.00	9.90
HSPF		BTU/hW	10.70	10.30	10.20		
Operating current		A	10.90	13.30	16.80	23.50	
Max operating current		A	16.10		32.40		
Capacity range		BTU/h	5,400–32,400	9,200–39,000	11,000–52,000	11,000–54,000	
Noise level		Indoor unit (H/M/L/O)	dB(A)	37/33/31/25	39/36/32/25	40/35/28/26	47/37/32/29
		Outdoor unit	dB(A)	55		54	55
Indoor unit		Net dimensions	Height	in.	42-1/2		57
	mm			1,080		1,448	
	Width		in.	21		21	
		mm	533		533		
	Depth	in.	21-11/16		21-11/16		
		mm	551		551		
	Gross dimensions	Height	in.	42-12/16		57-2/16	
			mm	1,086		1,451	
		Width	in.	24		23	
	mm		610		584		
	Depth	in.	25-5/16		26-8/16		
		mm	643		673		
	Weight	Net	lbs.	104		132	
			kg	47		60	
		Gross	lbs.	116		146	
kg	52.5		66				
Stack	boxes	4		3			
Outdoor unit	Net dimensions	Height	in.	32-11/16		39-5/16	
			mm	830		998	
		Width	in.	35-7/16		38-3/16	
	mm		900		970		
	Depth	in.	13		14-9/16		
		mm	330		370		
	Gross dimensions	Height	in.	39-3/8		45-12/16	
			mm	1,000		1,162	
		Width	in.	41-5/16		41-14/16	
	mm		1,050		1,064		
	Depth	in.	17-1/2		18-13/16		
		mm	445		478		
	Weight	Net	lbs.	134		198	
			kg	61		90	
		Gross	lbs.	152		220	
kg	69		100				
Stack	boxes	5		3			
Refrigerant	Type	R410A					
		Charge	lbs. oz.	4 lbs. 10.1 oz.		9 lbs. 8 oz.	
	kg		2.10		4.30		
Installation	Connection pipe	Connection method		Flare			
		Liquid pipe diameter	in.	3/8			
			mm	9.52			
		Gas pipe diameter	in.	5/8			
mm	15.88						