

ANY ROOM,

ANY SEAS[°]N

Single-Zone Efficiencies up to: 33 SEER / 14.2 HSPF

Multi-Zone Efficiencies up to: 19.7 SEER / 10.3 HSPF



A Year-Round Solution

Revolutionary mini-split heat pumps provide both heating and cooling for year-round comfort in most climates. A simple push of a button on the remote control allows you to switch from heating to cooling (or vice versa) automatically.



Savings
up to
25%*
on utility bills

*Savings may vary based on model selected, hours of operation and geographical location. Example given based on 33-SEER system versus 14-SEER system.



The new degree of comfort.®

QUIETLY REVOLUTIONIZING ENERGY-EFFICIENT HOME COMFORT



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YEAR-ROUND, WHOLE-HOME OR BUSINESS ENERGY EFFICIENT HEATING AND COOLING

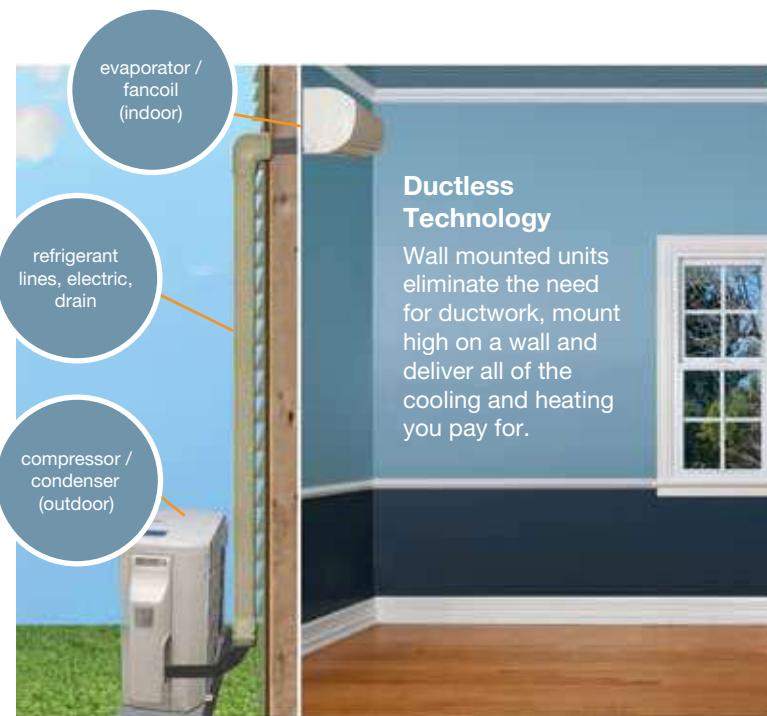
WHAT IS A MINI-SPLIT?

Mini-Splits are ductless systems that eliminate the need for a basement or attic-located evaporator unit and ductwork by using thin copper tubing that pumps refrigerant directly to discreet wall mounted units inside. Even more remarkable, this same unit works in reverse in winter, absorbing heat from the outside air and moving it indoors to heat your home. The result? Efficient cooling and heating for year-round, whole-home comfort in most climates.

Available in numerous mix-and-match capacities, Rheem offers a mini-split system for even the most difficult to heat and cool areas.

HOW DOES A MINI-SPLIT WORK?

Like your refrigerator, heat pumps use electricity to pump refrigerant and transfer heat from one space to another. Heat pumps transfer heat from the outdoors to within the home.



INDIVIDUAL ZONING: PERSONALIZED WHOLE HOME COMFORT

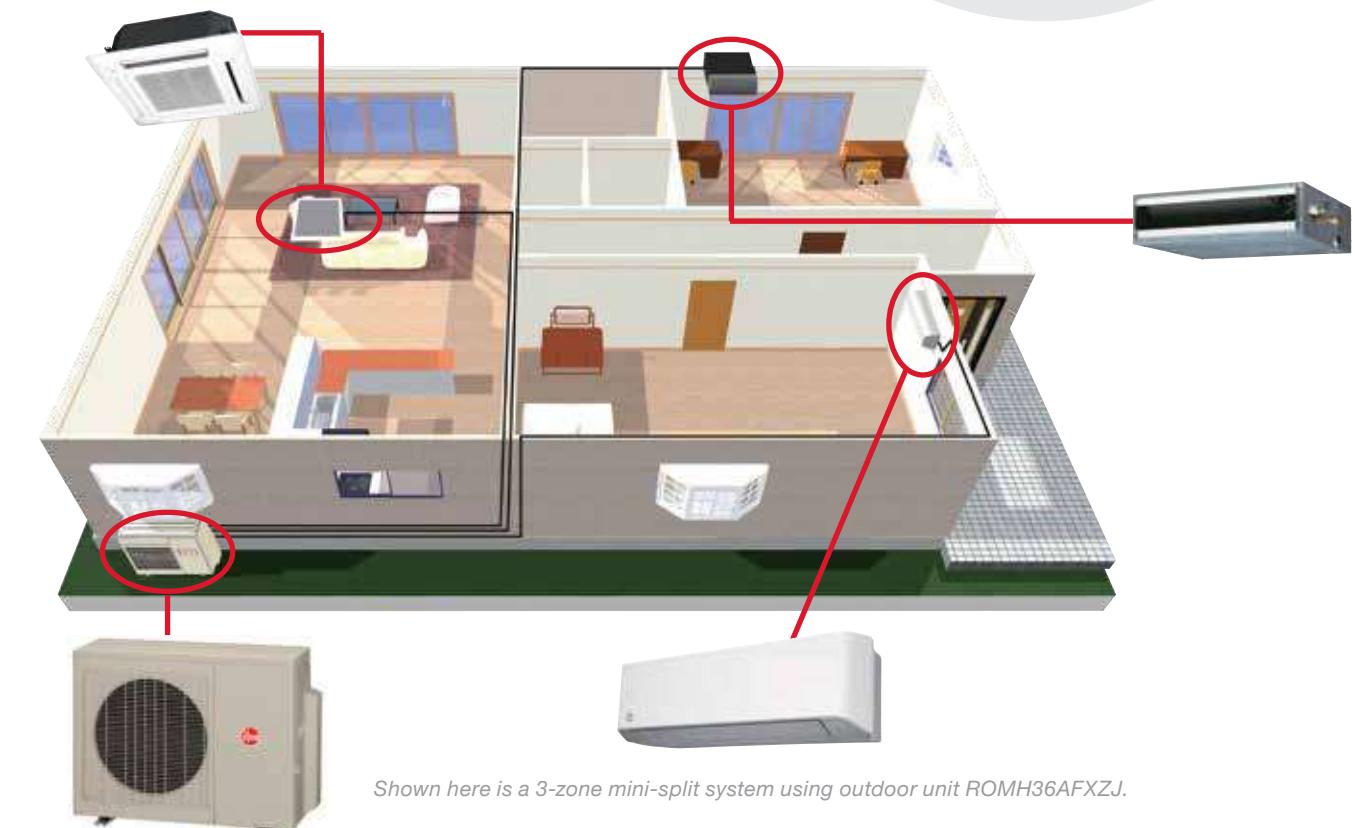
Ductless Heat Pump Mini-Split systems are some of today's most advanced forms of heating and cooling. One outdoor unit can operate up to 5 indoor units, simultaneously providing just the right amount of comfort control to each zone. Rheem® systems are super quiet as well as highly energy efficient.

Each indoor unit can:

- Operate independently via remote control
- Supply both heating and cooling (not simultaneously)
- Provide high energy efficiencies
- Operate quietly

WALL MOUNTED

The Mini-Split Indoor Unit mounts high on a wall, out of sight and does not require ductwork, increasing energy efficiency.



Shown here is a 3-zone mini-split system using outdoor unit ROMH36AFXZJ.



SLIM DUCT

Mounted in a ceiling or in a framed enclosure below a ceiling. They use minimal ductwork and remain very energy efficient.

- Concealed and out of sight
- Look of central air with the efficiency of a mini-split
- Less ducts = higher efficiency



FLOOR MOUNTED

Floor mount systems are ideal for residential radiator replacements or any room with limited upper wall space, like a kitchen or sunroom.

- Compact size fits easily under a standard window
- Features twin airflow for improved heat delivery and help those cold feet
- Designer wireless remote control



COMPACT CASSETTE

Cassettes are extremely discreet, with only the grille showing in the ceiling. They use the latest fan technology to distribute the conditioned air evenly.

- Wired remote control (wireless is optional)
- Powerful turbo fan operation
- Fits into a standard 2' x 2' ceiling grid

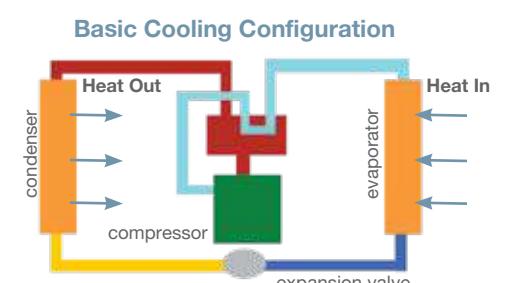
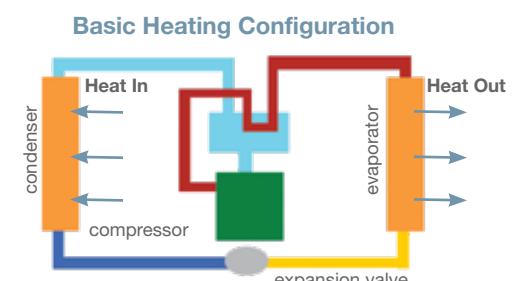


HEAT PUMPS PROVIDE HEAT WHEN IT'S CHILLY

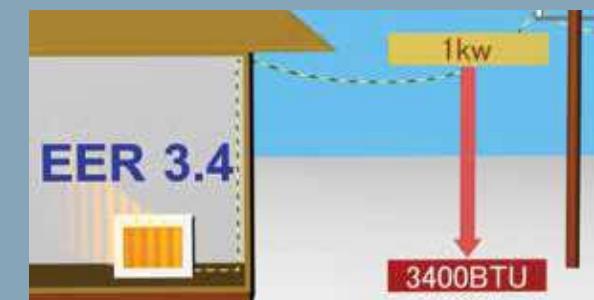
Because refrigerant is naturally much colder than outdoor temperatures even on a very cold day, it actually absorbs heat from outdoors, and transfers the heat to within your home. The refrigerant's physical properties do this naturally. What you provide is the electricity to pump refrigerant via refrigerant lines from outdoors to indoors. Because it moves heat rather than creating it, it can deliver up to 4 times the heat for the energy consumed.

HEAT PUMPS PROVIDE COOLING WHEN IT'S WARM

Come spring and summer, simply reverse the process by putting the same system into "cooling mode" to transfer heat from indoors to the outside.

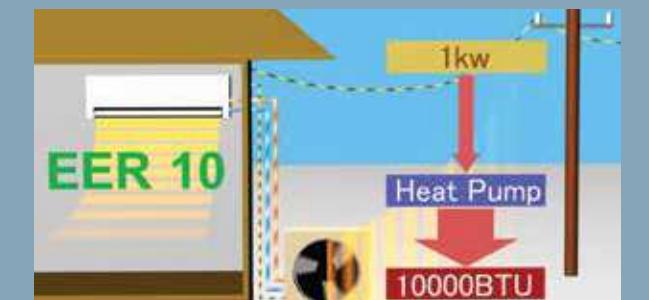


ELECTRIC HEATERS VS. HEAT PUMPS



An electric heater converts electricity directly to heat, assuming that the heat loss is zero, the output from one kilowatt input is one kilowatt or 3,400 BTU/HR and the EER is 3.4.

*EER (Energy Efficiency Rating) = Rated BTU/HR capacity divided by total kW input.



Heat pumps are more efficient than some other forms of heating because they do not actually create heat—they just move it from one place to another. For example, the output of an efficient 10 EER heat pump is triple that of an electric heater at 10,000 BTU/HR.



A SOLUTION FOR ALL OF YOUR COMFORT NEEDS

DUCTLESS TECHNOLOGY

Rheem® Mini-Split systems offer a convenient alternative in areas of the home where traditional duct systems may not be an option—such as attics, home additions, basements or crawlspaces. Since mini-splits have no ducting, they set up quickly, install easily and won't take up closet or attic space. Used in conjunction with a new Rheem HVAC system, our high-efficiency ductless systems make it easy for you to keep spaces more comfortable and energy consumption low, while saving big on utility costs.

WHOLE HOME OR BUSINESS COMFORT

Rheem ductless mini-split systems provide home and business owners just the right amount of heating and cooling needed by installing 1 to 5 indoor units connected to one outdoor unit. Indoor units vary by size and each creates its own “zone” of comfort, allowing you to heat or cool individual rooms, hallways and open spaces.

A YEAR-ROUND SOLUTION

Revolutionary heat pumps provide both heating and cooling for year round comfort in most climates. A simple push of a button on the remote control allows you to switch from heating to cooling (or vice versa) automatically.



Whole Home Comfort

Multi-zone systems provide homeowners just the right amount of heating and cooling needed by installing 2 to 5 indoor units connected to one outdoor unit. Indoor units vary by size and each creates its own “zone” of comfort, allowing the heating or cooling of individual rooms, hallways and open spaces.

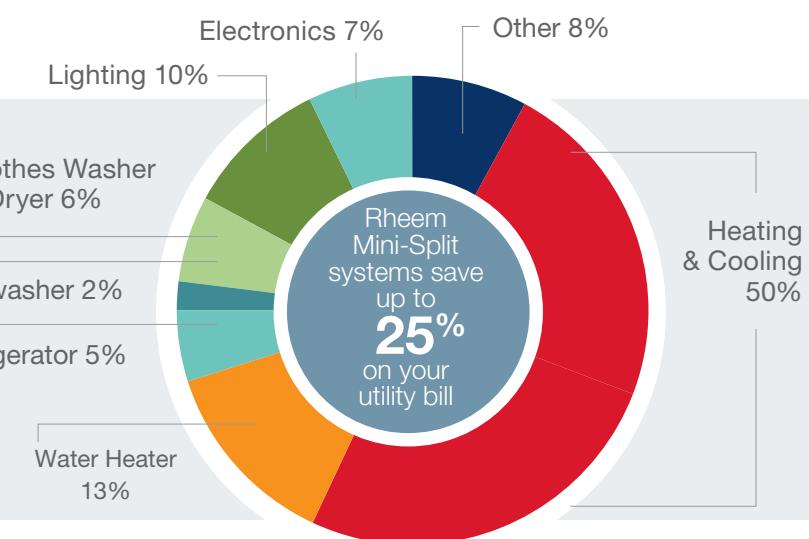
ENERGY EFFICIENT: THE SMART CHOICE IN COMFORT

Heating and cooling consume as much as half of the energy used in your home. So, making smart decisions about your home's heating and cooling system can have a big effect on your utility bills—and your comfort.

WHERE DOES MY MONEY GO?

The high energy efficiencies of ductless mini-split systems slash utility bills by up to 25%. If your average annual utilities are \$4,200, Rheem® can save you up to \$1,050 annually or \$10,500 over 10 years!*

*Savings may vary based on model selected, hours of operation and geographical location. Example given based on 33-SEER system versus 14-SEER system.



REBATES

To encourage customers to buy energy efficient products, many local utility companies offer significant rebates for the purchase of a ductless mini-split system. Check with your utility provider or Rheem.com/Rebates.

ENERGY STAR® QUALIFIED SYSTEMS*

Is your HVAC equipment more than 10 years old and making your house uncomfortable? Then, call a professional HVAC contractor for an evaluation. If it is not performing efficiently or needs upgrading, consider replacing it with a unit that has earned ENERGY STAR® qualification. Installed correctly, high-efficiency heating and cooling systems can save up to 25% on utility costs.



ENERGY STAR® Criteria:

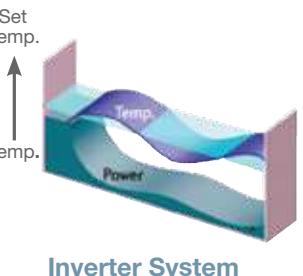
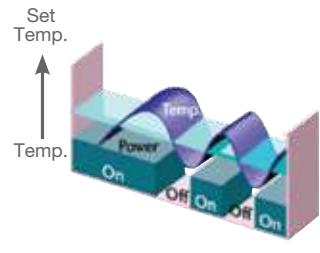
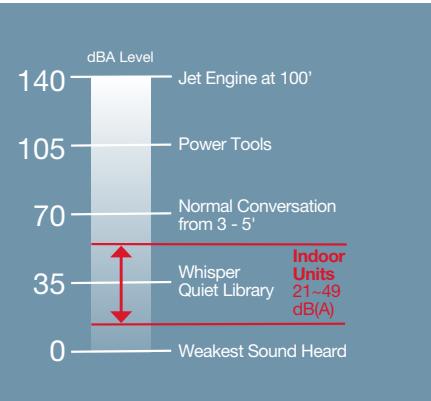
SEER \geq 15.0 EER \geq 12.5 HSPF \geq 8.5

*Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate indoor components to meet ENERGY STAR criteria. Ask your contractor for details or visit EnergyStar.gov.

COMFORT AND CONVENIENCE

QUIET

Rheem® believes heating and cooling systems should be felt—not heard. Rheem Mini-Split systems are so quiet you won't even know they're on. You can sleep well at night in a comfortable, peaceful environment. Also, our wall mount units feature Quiet Mode—extra-quiet fan speed to ensure you are not disturbed.

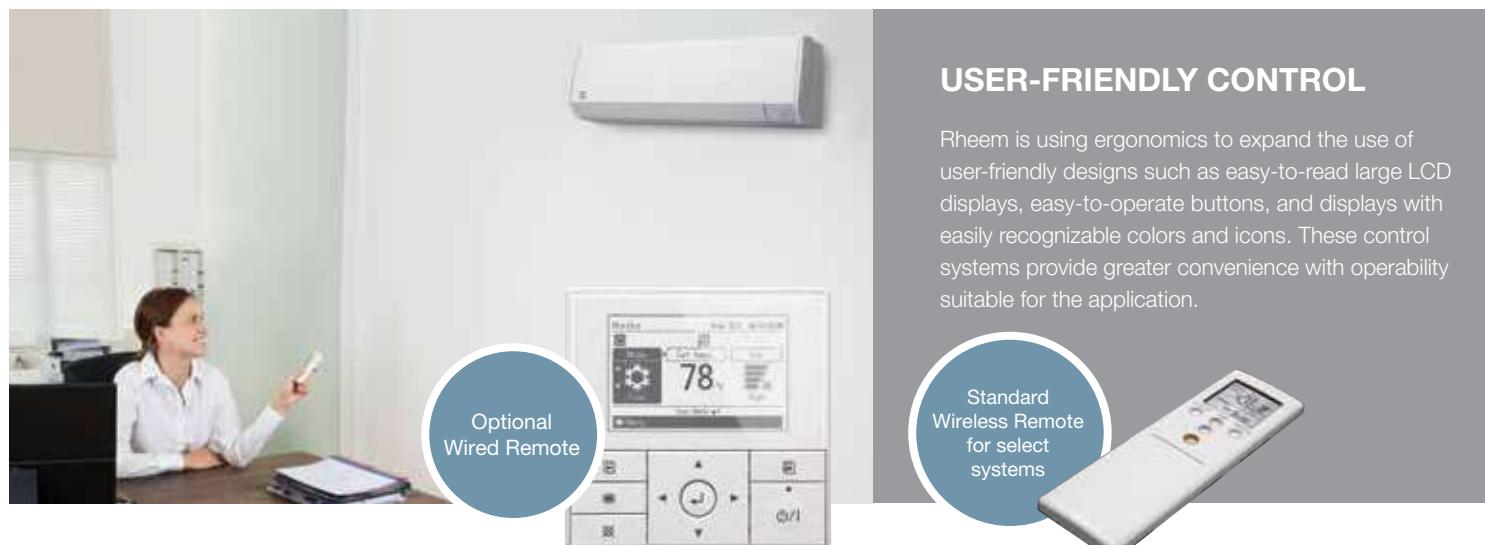


CONSTANT COMFORT THROUGH INVERTER TECHNOLOGY

Inverter technology found in Rheem Mini-Splits is like cruise control for your heating or cooling system. Compressors only run as fast as they need to handle the cooling or heating demand. They can handle greater extremes in temperature, are smoother and more stable in operation, and reach the desired temperature more quickly than conventional heat pumps.

Inverter Benefits

- More heat at lower outdoor temperatures
- Lower RPMs = quieter operation
- Desired temperature in half the time
- Stable temperature



USER-FRIENDLY CONTROL

Rheem is using ergonomics to expand the use of user-friendly designs such as easy-to-read large LCD displays, easy-to-operate buttons, and displays with easily recognizable colors and icons. These control systems provide greater convenience with operability suitable for the application.

APPLICATIONS



Where can Rheem® Mini-Splits be used?

Convenience stores

Fast food chains

Fire houses

Police stations

Oil rigs

Bars

Sunrooms and additions

Warehouses

Nursing homes

Small offices

Older homes

New construction homes

Schools

Places of worship

Hospitals and medical facilities

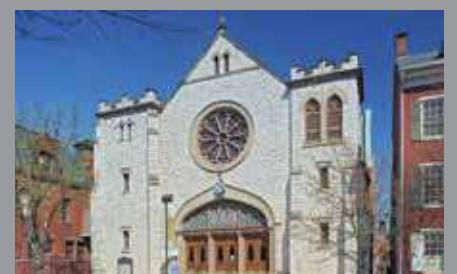
Restaurants

Computer rooms

Hotels and motels

Car washes

ATM vestibules



Just about any place that requires comfort!

LOW TEMPERATURE HEATING OPERATION

NOT ALL HEATING SYSTEMS ARE CREATED EQUAL

Without the right technology, a system won't work when its needed most.

PROTECTION FROM WINTER'S COLDEST TEMPERATURES

When the temperature drops you don't want to be left in the cold. It's important to choose a heat pump system rated for the climate you live in. If your system doesn't operate in severe conditions you and your family could be left without any heat at all.

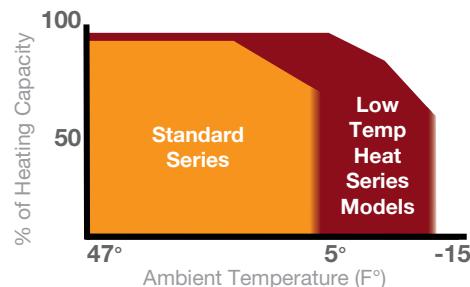
Rheem's line of mini-split heat pumps come in different sizes, styles, and rated outdoor temperatures. The Low Temperature Heating Operation Series features outdoor condensing units engineered to operate in temperatures down to -15°F.



Without the right technology, condensate freezes to the bottom of the unit and reduces its efficiency and heating output.

IMPROVED HEATING CAPACITY

Heating capacity at low outdoor temperatures was improved by adopting a large heat exchanger and a high capacity compressor.



HIGH PERFORMANCE HEATING

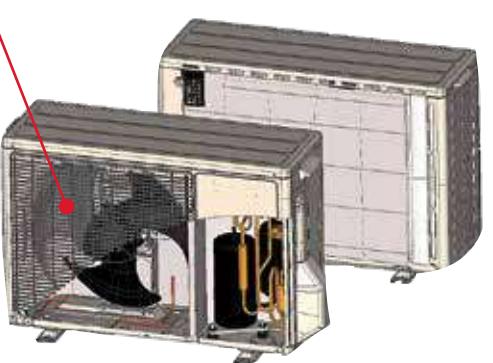
Rheem® low temperature heating operation units feature large heat exchangers and high capacity compressors. This gives our low temperature heating operation heat pumps the ability to extract heat even at very low outdoor temperatures. For example, at an indoor setpoint of 70°F, all AHHJ and AFFHJ models can deliver 100% or more of their rated heating capacity down to 3°F. All low temperature heating operation models also offer superior heating performance down to -15°F outdoor temperatures.



Rheem Low Temperature Heating Operation systems do not have a low temperature lockout, continuing to heat even below -15°F as conditions allow.

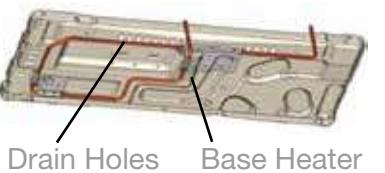
METAL FAN GUARD

While other models have a plastic fan guard, Low Temperature Heating Operation models use metal, which is most capable of withstanding the colder elements.



BASE PAN HEATER

- Equipped with a heater that prevents condensate from freezing
- Contoured base design discharges melted water through drain holes.
- Without a heater, freezing condensate can cause noise, damage to fan blade, condenser, and system performance.



FEATURE EXPLANATION

ENERGY SAVING

SEER

Seasonal Energy Efficiency Rating. Used to express efficiency of an AC or Heat Pump. A higher rating means more efficient.

HSPF

Heating Seasonal Performance Factor, measures the efficiency of heating portion of your heat pump.



Economy Mode

Thermostat setting automatically changes according to the temperature to avoid unnecessary cooling and heating.



Energy Saving Program (ESP)

If a space is left without turning the unit off, ESP knows that it is unoccupied and 20 minutes later, temperature is adjusted accordingly until users return to the room. Function is disable in multi-zone installations.



ENERGY STAR® Qualified

Qualified products and practices help you save money and reduce greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy.



Minimum Heat Mode

Sets room temperature to 50°F, keeping temperatures above freezing and reducing power consumption.

CONVENIENCE



24 Hour Timer

Allows for one on / off cycle during a 24 hour period.



Sleep Timer

Automatically adjusts the temperature while you sleep to make you more comfortable.



Weekly Timer

Allows you to set on / off time twice a day and a different on / off time by day.

PERFORMANCE



Apple Catechin Filter (polyphenol ingredient from apples)

Dust, mold spores and microorganisms are absorbed onto the filter by static electricity and growth is inhibited. 3 - 12 month life expectancy.



Cold Prevention

Indoor coil will warm prior to fan operating, preventing cold air during heating mode.



Expanded Heating Performance

Delivers 100% of rated heating capacity at +5°F (-15°C).



High Ceiling Mode

Temperature at the top of a high ceiling room may be warmer than the space occupied; this mode adjusts for this difference.



Ion Deodorizing Filter

Deodorizes by decomposing absorbed odors using the oxidizing and reducing effects of ions generated by fine ceramic particles. 3 year life expectancy. Wash to restore surface action.



Pump Down Operation

Collects all refrigerant in system back into the outdoor unit when the unit is to be moved or before servicing the refrigerant circuit.



Remote Temperature Sensor

Room temperature sensor is located in optional wired remote control only.



Third Party Device Control

Turns system on or off using a normally closed circuit. Interface with third party devices such as home automation.



-5°F Low Ambient Cooling

Can operate in cooling mode with outdoor temperatures down to -5°F. Operation outside of factory specification is not recommended.

INSTALLATION



Base Pan Heater

Prevents condensate from freezing on the outdoor unit.



Blue Fin Heat Exchanger

Blue fin treatment to the outdoor unit's heat exchanger improves corrosion resistance.



Built-In Condensate Pump

Integrated into the indoor unit.



Daisy Chain

Ability to connect up to 16 identical style indoor units to one wired remote.



Long Piping Length

Long piping lengths between indoor and outdoor units provides flexibility and increased applications.



Slender Fit

Cassette body can be moved downward into the room 1-3/8" to accommodate limited ceiling space.

+ Function is bypassed during defrost and at low speed operation. This feature may limit cooling / heating capacity during high / low ambient conditions and increase energy consumption as system may need to operate longer due to reduced compressor speed.

* Auto Changeover is not designed to provide rapid changes between heating and cooling operation or simultaneous heating and cooling. This feature is not recommended for systems with more than one indoor unit unless all indoor units have similar heating and cooling requirements and have similar temperature set points. If all indoor units have similar heating and cooling requirements and have similar temperature set points, auto changeover will work.

SYSTEM FEATURE SUMMARY

SINGLE-ZONE HEAT PUMPS

MULTI-ZONE HEAT PUMPS		FLOOR MOUNT										WALL MOUNT										
		SEER					HSPF					SEER					HSPF					
Floor Mount		21.5 [▲]	10.3 [▲]	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Cassette		21.5 [▲]	10.3 [▲]	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Slim Duct		14.7 [▲]	9.3 [▲]	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Large Wall (AXFWJ:18, 24k BTU)		21.5 [▲]	10.3 [▲]	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Compact Wall (AFWJ: 7-15k BTU)		21.5 [▲]	10.3 [▲]	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
SLIM DUCT		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
COMPACT CASSETTE		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
FLOOR MOUNT		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
18AFCJ		20.1	11.5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
12AFCJ		21.9	12.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
09AFCJ		24.0	13.0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
15AFFHJ		20.3	11.0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
15AFFJ		20.3	11.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
12AFFHJ		22.7	11.3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
12AFFJ		22.7	11.6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
09AFFHJ		26.0	12.4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
09AFFJ		26.0	12.6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
36AXJ		15.5	9.0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
30AXJ		16.5	9.0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
30AHXHJ		18.7	11.7	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
24AHXHJ		19.5	10.0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
24AXFWJ		19.5	10.6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
24ASJ		18.0	10.6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
18AHXHJ		20.0	10.4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
18AXFWJ		20.0	10.5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
18ASJ		19.0	10.6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
15AHHJ		25.3	13.3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
15AHWJ		25.3	13.4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
12AHHJ		29.3	13.8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
12AHWJ		29.3	14.0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
12AFWJ		22.0	11.0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
12AVSA		16.0	9.0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
09AHHJ		33.0	14.0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
09AHWJ		33.0	14.2	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
09AFWJ		23.0	11.0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
09AVSA		16.0	9.0	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Fresh Air Intake  **Outdoor Unit Low Noise** 

Powerful Operation  **Quiet Mode (Indoor)** 

24 Hour Timer  **Sleep Timer**  **Weekly Timer** 

Apple Catechin Filter  **Cold Prevention**  **Expanded Htg. Performance**  **High Ceiling Mode**  **Ion Deodorizing Filter**  **Pump Down Operation**  **Remote Temp. Sensor**  **Third Party Device Control**  **-5° Low Ambient Clg.** 

Base Pan Heater  **Blue Fin Coil Protection**  **Built-In Condensate Pump** <img alt="Built-In Condensate Pump icon" data-bbox="550

SINGLE-ZONE AND MULTI-ZONE SYSTEMS LINEUP

Minimum Ambient Cooling Temperature:  Minimum Ambient Heating Temperature: 

SINGLE-ZONE DUCTLESS HEAT PUMP SYSTEMS											
BTU	9,000	12,000	15,000		18,000	24,000	30,000	36,000	42,000		
Prestige® Series Wall Mount	     	     	     								
Prestige Series Wall Mount Low Temp Heating Operation	     	     	     		     	     	     				
Classic Plus® Series Wall Mount	     	     			     	     					
Classic® Series Wall Mount	     	     			     	     	     	     			
Prestige Series Floor Mount	     	     	     								
Prestige Series Floor Mount Low Temp Heating Operation	     	     	     								
Classic Series Compact Cassette	     	     			     						
Classic Series Slim Duct	     	     			     						

MULTI-ZONE DUCTLESS HEAT PUMPS - INDOOR UNITS						
BTU	7,000	9,000	12,000	15,000	18,000	24,000
Classic Plus Series Compact Wall Mount	 RIWH07AVFJ	 RIWH09AVFJ	 RIWH12AVFJ	 RIWH15AVFJ		
Classic Plus Series Large Wall Mount					 RIWH18AVFJ	 RIWH24AVFJ
Classic Series Slim Duct	 RIDH07AVFJ	 RIDH09AVFJ	 RIDH12AVFJ		 RIDH18AVFJ	 RIDH24AVFJ
Classic Series Compact Cassette	 RICH07AVFJ	 RICH09AVFJ	 RICH12AVFJ		 RICH18AVFJ	
Classic Series Floor Mount		 RIFH09AVFJ	 RIFH12AVFJ	 RIFH15AVFJ		

SINGLE-ZONE MINI-SPLIT SYSTEMS

Making the hottest places cool
and the coolest places more comfortable

- Extensive lineup from 9,000 to 42,000 BTU
- 38 different systems available in 7 indoor unit styles
- Energy efficient systems with SEER ratings as high as 33.0 and HSPF as high as 14.2
- 25 ENERGY STAR® qualified systems

- Inverter Technology is used in all systems
- All systems feature environmentally friendly R410A refrigerant
- Quiet operation with indoor units as low as 21dB and outdoor units as low as 47dB

9, 12, 15,000 BTU/HR WALL MOUNT HEAT PUMPS



¹Available only with optional wired Remote Control and optional interface kit.

²Available only with optional interface kit. Operation monitoring and On / Off control only.

³Low temperature heating operation models only

ENERGY SAVING PROGRAM

These Rheem® systems know how to save you money even when you forget. If you leave the room without turning the unit off, ESP knows that you left and 20 minutes later, set temperature is increased by 4°F when cooling and reduced by 8°F when heating. When you come back to the room, it returns to previous operating mode. This prevents wasteful operation to save energy without you having to think about it. This feature can be deactivated if chosen.



HIGH PERFORMANCE HEATING

The AHWJ model can operate down to -5°F. The AHHJ can operate down to -15°F. See the full low temperature heating operation story on page 12.

OPTIONAL ACCESSORIES

- Wired Remote Control: RXRVNUM
- Wired Remote Control: RXRNNUM
- Simple Remote Control: RXRSNUM
- Interface Kit: RXTWBXF1
- Dry Contact Wire Kit: RXWZXZ5

LOW TEMP HEATING SYSTEMS

09AHWJ, 12AHWJ, 15AHWJ, 09AHHJ, 12AHHJ, 15AHHJ

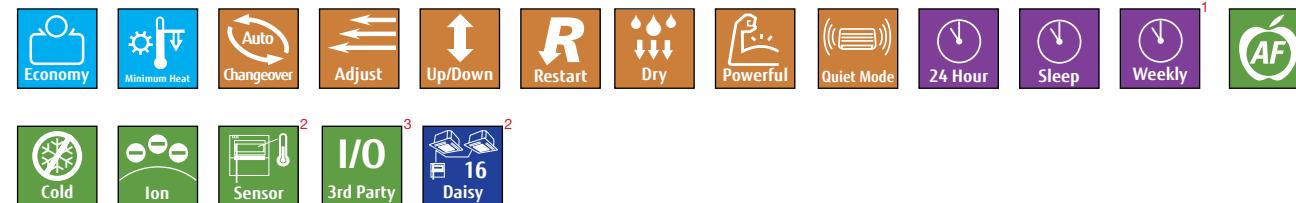


UP TO 33.0 SEER

Performance							
Nominal Cooling	BTU/HR	9,000	12,000	14,500	9,000	12,000	14,500
Min.-Max. Cooling	BTU/HR	3,100~12,000	3,100~13,600	3,100~18,400	3,100~12,000	3,100~13,600	3,100~18,400
Nominal Heating	BTU/HR	12,000	16,000	18,000	12,000	16,000	18,000
Min.-Max. Heating	BTU/HR	3,100~22,000	3,100~22,100	3,100~23,900	3,100~22,000	3,100~22,100	3,100~23,900
SEER		33.0	29.3	25.3	33.0	29.3	25.3
HSPF		14.2	14.0	13.4	14.0	13.8	13.3
EER		18.0	15.2	13.9	18.0	15.2	13.9
Cooling Operating Range	°F (°C)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)
Heating Operating Range	°F (°C)	-5~75 (-21~24)	-5~75 (-21~24)	-5~75 (-21~24)	-15~75 (-26~24)	-15~75 (-26~24)	-15~75 (-26~24)
Moisture Removal	Pt./h (l/h)	2.6 (1.2)	2.7 (1.3)	4.0 (1.9)	2.6 (1.2)	2.7 (1.3)	4.0 (1.9)
Max Htg % of Model # Capacity at +5°F (-15°C)*		171%	138%	140%	171%	138%	140%
Max Htg % of Model # Capacity at -5°F (-21°C)*		156%	125%	124%	156%	125%	124%
Max Htg % of Model # Capacity at -15°F (-26°C)*		--	--	--	123%	98%	109%
Fan							
Air Circulation: Hi	CFM (m3/h)	489 (830)	489 (830)	547 (930)	489 (830)	489 (830)	547 (930)
Air Circulation: Medium	CFM (m3/h)	400 (680)	400 (680)	459 (780)	400 (680)	400 (680)	459 (780)
Air Circulation: Low	CFM (m3/h)	341 (580)	341 (580)	371 (630)	341 (580)	341 (580)	371 (630)
Quiet	CFM (m3/h)	224 (380)	224 (380)	Cig 259 (440) Htg 294 (500)	224 (380)	224 (380)	Cig 259 (440) Htg 294 (500)
Fan Speed Stage		4+Auto	4+Auto	4+Auto	4+Auto	4+Auto	4+Auto
Sound							
Indoor Level (Cig/Htg): Hi	dB(A)	42/41	42/41	45/45	42/41	42/41	45/45
Indoor Level (Cig/Htg): Medium	dB(A)	37/35	37/35	40/39	37/35	37/35	40/39
Indoor Level (Cig/Htg): Low	dB(A)	32/31	32/31	34/33	32/31	32/31	34/33
Quiet	dB(A)	23/23	23/23	26/27	23/23	23/23	26/27
Outdoor Level Cig/Htg	dB(A)	42/47	43/47	49/50	42/47	43/47	49/50
Electrical							
Voltage / Frequency / Phase		208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Circuit Breaker	Amps	15	15	20	15	15	20
Current Rated / Max: Cooling	Amps	2.5/9.4	3.8/9.4	4.8/9.9	2.5/9.4	3.8/9.4	4.8/9.9
Current Rated / Max: Heating	Amps	3.3/10.0	4.7/11.9	5.2/13.9	3.3/10.0	4.7/11.9	5.2/13.9
Power Use Rated / Max: Cooling	kW	0.50/0.85	0.79/0.99	1.04/1.56	0.50/0.85	0.79/0.99	1.04/1.56
Power Use Rated / Max: Heating	kW	0.66/1.93	1.01/1.94	1.15/2.19	0.66/1.93	1.01/1.94	1.15/2.19
Size & Weight							
Net Weight	lbs. (kg)	31 (14)	84 (38)	31 (14)	84 (38)	31 (14)	86 (39)
Height	Inch	11-5/8	24-7/16	11-5/8	24-7/16	11-5/8	24-7/16
	mm	295	620	295	620	295	620
Width	Inch	37	31-1/8	37	31-1/8	37	31-1/8
	mm	940	790	940	790	940	790
Depth	Inch	10-5/8	11-7/16	10-5/8	11-7/16	10-5/8	11-7/16
	mm	270	290	270	290	270	290
Refrigerant		R410A		R410A		R410A	
Additional Data							
Air Direction: Horizontal		Automatic		Automatic		Automatic	
Air Direction: Vertical		Automatic		Automatic		Automatic	
Air Filter		Washable		Washable		Washable	
Minimum Lineset Length	Ft (m)	10 (3)		10 (3)		10 (3)	
Maximum Lineset Length	Ft (m)	66 (20) (pre-charge: 49')		66 (20) (pre-charge: 49')		66 (20) (pre-charge: 49')	
Max. Vertical Diff.	Ft (m)	49 (15)		49 (15)		49 (15)	
Lineset Size	Inch	Suc.3/8	Dis.1/4	Suc.3/8	Dis.1/4	Suc.3/8	Dis.1/4
		Suc.1/2	Dis.1/4	Suc.1/2	Dis.1/4	Suc.1/2	Dis.1/4
* Based on model # capacity class (e.g. 09AHWJ based on 9,000 BTU/HR) @ 70°F indoor setpoint. Refer to the Design & Technical Manual for more heating capacity data.							
Indoor	RWHL09AHWJ	Outdoor	ROSH09AHWJ	Indoor	RWHL12AHWJ	Outdoor	ROSH12AHWJ
	RWHL15AHWJ		ROSH15AHWJ	Indoor	RWHL09AHHJ	Outdoor	ROSH09AHHJ
	RWHL12AHHJ		ROSH12AHHJ	Indoor	RWHL15AHHJ	Outdoor	ROSH15AHHJ

Note: Figures are based on 230 Volts.

9 AND 12,000 BTU/HR WALL MOUNT HEAT PUMPS

SYSTEMS
09AFWJ, 12AFWJ

¹Available only with optional wired remote control.

²Available only with optional wired remote control and optional interface kit.

³Available only with optional interface kit. Operation monitoring and On / Off control only.

BUILT IN FILTRATION



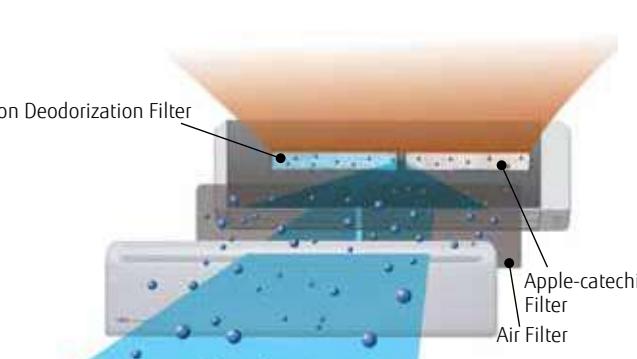
LONG-LIFE ION DEODORIZATION FILTER

The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine particle ceramic. The filter can be used for approximately 3 years if it is washed with water when dirty to restore its surface action.



APPLE CATECHIN FILTER

Dust, mold spores and micro-organisms are absorbed onto the filter by static electricity and growth is inhibited and deactivated. Filter lasts 3-12 months.



OPTIONAL ACCESSORIES

- Wired Remote Control: RXRVNUM*
- Wired Remote Control: RXRNNUM*
- Simple Remote Control: RXRSNUM*
- Dry Contact Wire Kit: RXXWZXZ5
- Interface Kit: RXXCBXZ2

* Wall mounted RIWH09, 12AVFJ require accessory interface kit #RXXCBXZ2 in order to connect these devices to them.

UP TO 23 SEER



Performance					
Nominal Cooling	BTU/HR	9,000	12,000		
Min.-Max. Cooling	BTU/HR	1,700-10,900	3,100-13,300		
Nominal Heating	BTU/HR	12,000	16,000		
Min.-Max. Heating	BTU/HR	1,700-15,000	3,100-19,100		
SEER		23.0	22.0		
HSPF		11.0	11.0		
EER		13.8	12.5		
Cooling Operating Range	°F (°C)	14-115 (-10-46)	14-115 (-10-46)		
Heating Operating Range	°F (°C)	5-75 (-15-24)	5-75 (-15-24)		
Moisture Removal	Pt./h (l/h)	2.75 (1.3)	3.80 (1.8)		
Fan					
Air Circulation: Hi	CFM (m ³ /h)	441 (750)	441 (750)		
Air Circulation: Medium	CFM (m ³ /h)	376 (640)	376 (640)		
Air Circulation: Low	CFM (m ³ /h)	282 (480) Clg 306 (520) Htg	282 (480) Clg 306 (520) Htg		
Quiet	CFM (m ³ /h)	182 (310) Clg 194 (330) Htg	182 (310) Clg 194 (330) Htg		
Fan Speed Stage		4+Auto	4+Auto		
Sound					
Indoor Sound Level (Clg/Htg): Hi	dB(A)	43/43	43/43		
Indoor Sound Level (Clg/Htg): Medium	dB(A)	40/38	40/38		
Indoor Sound Level (Clg/Htg): Low	dB(A)	32/33	32/33		
Quiet	dB(A)	21/22	21/22		
Outdoor Sound Level Clg/Htg	dB(A)	48/48	49/49		
Electrical					
Voltage / Frequency / Phase		208-230/60/1	208-230/60/1		
Circuit Breaker	Amps	20	20		
Current Rated / Max: Cooling	Amps	3.2/6.0	4.4/6.5		
Current Rated: Heating	Amps	4.2/7.5	5.9/9.0		
Power Use Rated / Max: Cooling	kW	0.65/1.27	0.96/1.40		
Power Use Rated: Heating	kW	0.89/1.60	1.28/1.99		
Size & Weight					
Net Weight	lbs. (kg)	18 (8)	60 (27)	18 (8)	80 (36)
Height	Inch	10-1/2	21-1/4	10-1/2	21-1/4
	mm	268	540	268	540
Width	Inch	33-1/16	26	33-1/16	31
	mm	840	660	840	790
Depth	Inch	8	11-7/16	8	11-7/16
	mm	203	290	203	290
Refrigerant					
		R410A	R410A		
Additional Data					
Air Direction: Horizontal		Manual	Manual		
Air Direction: Vertical		Automatic	Automatic		
Air Filter		Washable	Washable		
Minimum Lineset Length	Ft (m)	10 (3)	10 (3)		
Maximum Lineset Length	Ft (m)	66 (20.1) (pre-charge: 49')	66 (20.1) (pre-charge: 49')		
Max. Vertical Diff.	Ft (m)	49 (15)	49 (15)		
Lineset Size	Inch	Suc. 3/8	Dis. 1/4	Suc. 3/8	Dis. 1/4

Indoor RIWH09AVFJ	Outdoor ROSH09AFWJ	Indoor RIWH12AVFJ	Outdoor ROSH12AFWJ
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Note: Figures are based on 230 Volts.

18 AND 24,000 BTU/HR WALL MOUNT HEAT PUMPS



¹AXFWJ systems only.

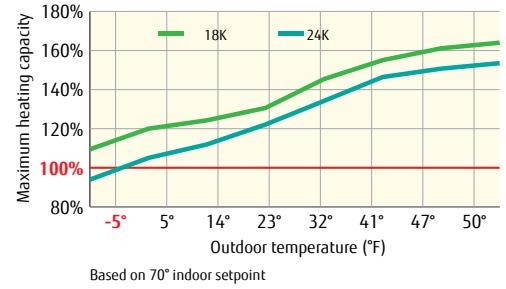
²AXFWJ systems require optional wired remote control.

³Available only with optional wired remote control.

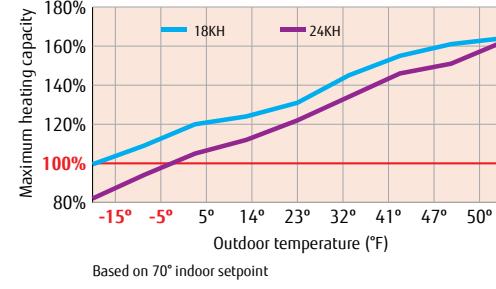
HIGH PERFORMANCE HEATING CAPACITY

Stay comfortable at low ambient temperatures! The AXFWJ systems can deliver 100% or more of rated heating capacity at 5°F (-15°C) and operates down to -5°F (-21°C).

The AHXHJ model can operate down to -15°F. See the full Low Temperature Heating Operation story on page 12.



AXFW.



AHXXH

OPTIONAL ACCESSORIES

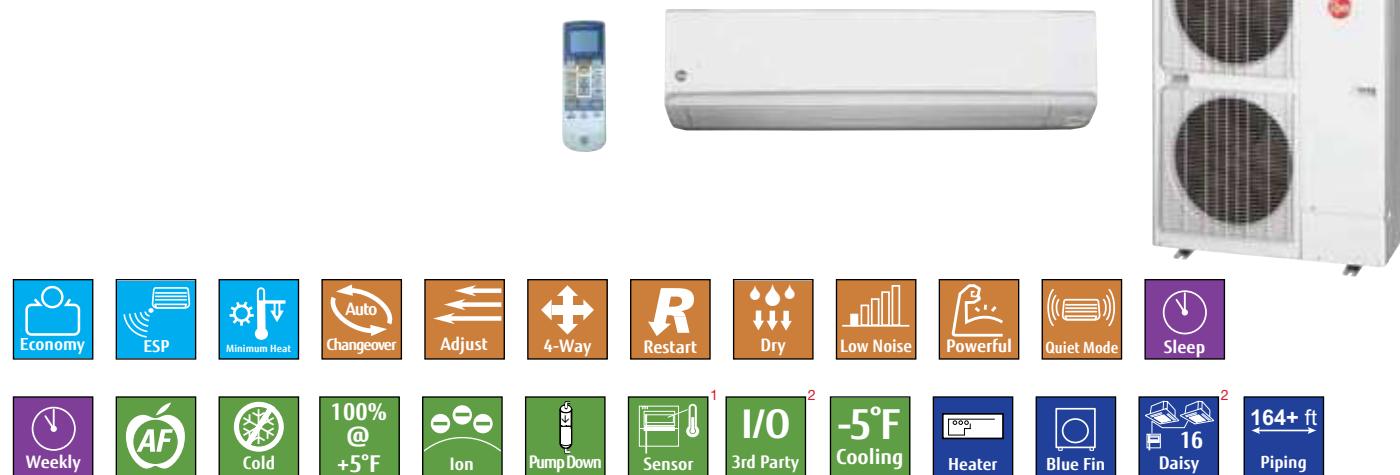
- Wired Remote Control: RXRVNUM
- Wired Remote Control: RXRNNUM
- Simple Remote Control: RXRSNUM
- Dry Contact Wire Kit: RXXWZX

UP TO 20 SEER		18AXFWJ	24AXFWJ	18AHXHJ	24AHXHJ
	ENERGY STAR		ENERGY STAR		ENERGY STAR
Performance					
Nominal Cooling	BTU/HR	18,000	22,000	18,000	22,000
Min.-Max. Cooling	BTU/HR	7,000~23,000	9,900~27,300	7,000~23,000	9,900~27,300
Nominal Heating	BTU/HR	21,600	25,200	21,600	25,200
Min.-Max. Heating	BTU/HR	7,000~29,000	7,500~36,200	7,000~29,000	7,500~36,200
SEER		20.0	19.5	20.0	19.5
HSPF		10.5	10.6	10.4	10.5
EER		13.3	12.5	13.3	12.5
Cooling Operating Range	°F (°C)	-5~115 (-20~46)	-5~115 (-20~46)	-5~115 (-20~46)	-5~115 (-20~46)
Heating Operating Range	°F (°C)	-5~75 (-20~24)	-5~75 (-20~24)	-15~75 (-26~24)	-15~75 (-26~24)
Moisture Removal	Pt./h (l/h)	5.9 (2.8)	6.3 (3.0)	5.9 (2.8)	6.3 (3.0)
Max Htg % of Model # Capacity at +5°F (-15°C)*		120%	105%	120%	105%
Max Htg % of Model # Capacity at -5°F (-21°C)*		109%	94%	109%	94%
Max Htg % of Model # Capacity at -15°F (-26°C)*		-	-	100%	82%
Fan					
Air Circulation: Hi	CFM (m3/h)	541 (920)	Clg 659 (1,120) Htg 677 (1,150)	541 (920)	Clg 659 (1,120) Htg 677 (1,150)
Air Circulation: Medium	CFM (m3/h)	435 (740)	530 (900)	435 (740)	530 (900)
Air Circulation: Low	CFM (m3/h)	365 (620)	435 (740)	365 (620)	435 (740)
Quiet	CFM (m3/h)	Clg 306 (520) Htg 318 (540)	365 (620)	Clg 306 (520) Htg 318 (540)	365 (620)
Fan Speed Stage		4+Auto	4+Auto	4+Auto	4+Auto
Sound					
Indoor Level (Clg/Htg): Hi	dB(A)	43/44	49/49	43/44	49/49
Indoor Level (Clg/Htg): Medium	dB(A)	37/37	42/42	37/37	42/42
Indoor Level (Clg/Htg): Low	dB(A)	33/33	37/37	33/33	37/37
Quiet	dB(A)	28/28	33/33	28/28	33/33
Outdoor Level Clg/Htg	dB(A)	47/50	54/55	47/50	54/55
Electrical					
Voltage / Frequency / Phase		208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Circuit Breaker	Amps	20	30	20	20
Current Rated / Max: Cooling	Amps	6.2/13.5	7.9/15.0	6.2/13.5	7.9/15
Current Rated / Max: Heating	Amps	7.8/14.5	8.6/15.5	7.8/14.5	8.6/15.5
Power Use Rated / Max: Cooling	kW	1.35/3.01	1.76/3.42	1.35/3.01	1.76/3.42
Power Use Rated / Max: Heating	kW	1.80/3.23	2.38/3.53	1.75/3.23	1.94/3.53
Size & Weight					
Net Weight	lbs. (kg)	31 (14)	134 (61)	31 (14)	134 (61)
Height	Inch	12-5/8	32-3/4	12-5/8	32-3/4
	mm	320	830	320	830
Width	Inch	39-1/4	35-3/8	39-1/4	35-3/8
	mm	998	900	998	900
Depth	Inch	9	13	9	13
	mm	228	330	228	330
Refrigerant		R410A	R410A	R410A	R410A
Additional Data					
Air Direction: Horizontal		Automatic	Automatic	Automatic	Automatic
Air Direction: Vertical		Automatic	Automatic	Automatic	Automatic
Air Filter		Washable	Washable	Washable	Washable
Minimum Lineset Length	Ft (m)	16 (5)	16 (5)	16 (5)	16 (5)
Maximum Lineset Length	Ft (m)	164 (50) (pre-charge: 66")	164 (50) (pre-charge: 66")	164 (50) (pre-charge: 65")	164 (50) (pre-charge: 65")
Max. Vertical Diff.	Ft (m)	98 (30)	98 (30)	30 (98)	30 (98)
Lineset Size	Inch	Suc. 5/8	Dis. 3/8	Suc. 5/8	Dis. 3/8

* Based on model # capacity class (e.g. 09AHWJ based on 9,000 BTU/HR) @ 70°F indoor setpoint. Refer to the Design & Technical Manual for more heating capacity data.

Note: Figures are based on 230 Volts.

30,000 BTU/HR WALL MOUNT HEAT PUMP

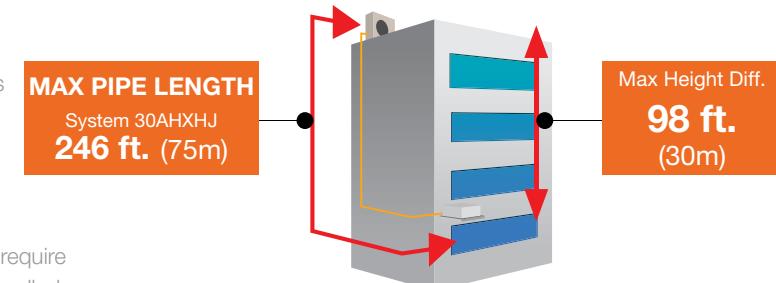


¹Available only with optional wired remote control.

²Available only with optional Interface kit.

EXTENDED LINESET

Long piping lengths between indoor and outdoor units provides flexibility and increased applications.



SERVER ROOM MODE

Server rooms can generate a tremendous amount of heat, and require cooling 24 hours a day. The strain of such a heat load is best handled with a redundant cooling system. Pairing two 30AHXHJ systems together in Server Room Mode offers a unique solution for keeping network servers cool.

Two 30AHXHJ systems can be set up to work together in Lead Lag[^] operation:

- Alternative Operation – units alternate operation, so neither unit is running at the same time.
- Backup Operation – if an error occurs on one unit, the second unit will turn on.
- Supporting Operation – if the setpoint cannot be reached with one unit alone, the second unit will come on to satisfy the demand for cooling.

[^]Wired remotes cannot be used when using this feature.

This includes RXRNRUZ1, RXRVNUM, RXRNNUM, RXRSNUM.

LOCK OUT FUNCTION

This feature is set by the contractor on behalf of the Commercial Property Owner to prevent either Cooling or Heating operation from occurring. This is not a function that can be set by a tenant, user, or homeowner.

ADDITIONAL APPLICATIONS THAT MAY REQUIRE LOW AMBIENT COOLING

- Conference / Meeting / Training Rooms
- Social Gathering spots
- Places of Worship

OPTIONAL ACCESSORIES

- Wired Touch Panel Remote Controller: RXRNRUZ2[^]
- Wired Remote Control: RXRVNUM[^]
- Wired Remote Control: RXRNNUM[^]
- Simple Remote Control: RXRSNUM[^]
- Dry Contact Wire Kit: RXXWZX
- Interface Kit: RXXCSXZ1
- Interface Kit Box: RXGXXB
- Outdoor Unit Input / Output Connector: UTY-XWZXZ3



UP TO 18.7 SEER

30AHXHJ
 ENERGY STAR

Performance		
Nominal Cooling	BTU/HR	30,000
Min.-Max. Cooling	BTU/HR	9,900-32,400
Nominal Heating	BTU/HR	32,000
Min.-Max. Heating	BTU/HR	8,000-37,500
SEER		18.7
HSPF		11.7
EER		12.5
Cooling Operating Range	°F (°C)	-5~115 (-20~46)
Heating Operating Range	°F (°C)	-15~75 (-26~24)
Moisture Removal	Pt./h (l/h)	9.7 (4.6)
Max Htg % of Model # Capacity at +5°F (-15°C)*		107%
Max Htg % of Model # Capacity at -5°F (-21°C)*		91%
Max Htg % of Model # Capacity at -15°F (-26°C)*		76%
Fan		
Air Circulation: Hi	CFM (m ³ /h)	812 (1,380)
Air Circulation: Medium	CFM (m ³ /h)	665 (1,130)
Air Circulation: Low	CFM (m ³ /h)	536 (910)
Quiet	CFM (m ³ /h)	418 (710)
Fan Speed Stage		4+Auto
Sound		
Indoor Sound Level (Clg/Htg): Hi	dB(A)	50/49
Indoor Sound Level (Clg/Htg): Medium	dB(A)	45/44
Indoor Sound Level (Clg/Htg): Low	dB(A)	38/38
Quiet	dB(A)	32/32
Outdoor Sound Level Clg/Htg	dB(A)	53/54
Electrical		
Voltage / Frequency / Phase		208-230/60/1
Circuit Breaker	Amps	30
Current Rated: Cooling	Amps	10.6
Current Rated: Heating	Amps	12.0
Power Use Rated / Max: Cooling	kW	2.40/3.83
Power Use Rated / Max: Heating	kW	2.74/4.28
Size & Weight		
Net Weight	lbs. (kg)	40 (18) 205 (93)
Height	Inch	13-3/8 50-13/16
	mm	340 1,290
Width	Inch	45-1/4 35-3/8
	mm	1,150 900
Depth	Inch	11 13
	mm	280 330
Refrigerant		
		R410A
Additional Data		
Air Direction: Horizontal		Automatic
Air Direction: Vertical		Automatic
Air Filter		Washable
Minimum Lineset Length	Ft (m)	16 (5)
Maximum Lineset Length	Ft (m)	246 (75) (pre-charge: 65')
Max. Vertical Diff.	Ft (m)	30 (98)
Lineset Size	Inch	Suc.5/8 Dis.3/8
Indoor RHW-30AHXHJ		Outdoor ROSH-30AHXHJ

*Based on model # capacity class (e.g. 09AHWJ based on 9,000 BTU/HR) @ 70°F indoor setpoint. Refer to the Design & Technical Manual for more heating capacity data.

Note: Figures are based on 230 Volts.

9 AND 12,000 BTU/HR, 115V, WALL MOUNT HEAT PUMPS

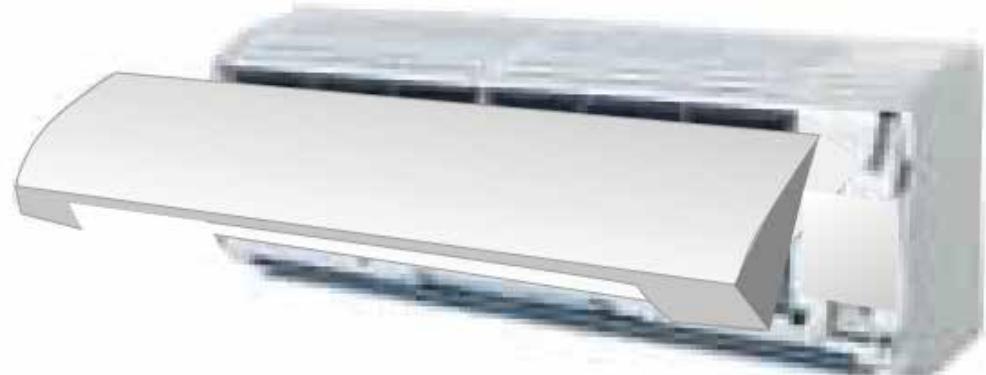
SYSTEMS
9AVSA, 12AVSA

FUNCTION

Stylish, slim and elegant, these popular wall mounted units are designed for single rooms. Indoor units have a clean, aesthetic design and are small but mighty and shorter in length than competing units, helping them blend into any room.

EASY MAINTENANCE

Front panel is easily removed for cleaning.



APPLICATIONS

This category of equipment is ideal for smaller spaces where spot cooling or heating is required. Residential applications including sunrooms and additions are made easier with these 115 volt heat pumps. Do you have a warm or cool spot in your home? Rheem mini-splits can provide extra cooling or heating capacity for those hard to cool areas. Commercially, their small size makes them ideal for small offices, providing individual temperature control.



16.0 SEER

	09AVSA	12AVSA			
Performance					
Nominal Cooling	BTU/HR	9,000	12,000		
Min.-Max. Cooling	BTU/HR	1,700~10,700	3,100~12,500		
Nominal Heating	BTU/HR	10,000	14,000		
Min.-Max. Heating	BTU/HR	1,700~12,000	3,100~16,000		
SEER		16.0	16.0		
HSPF		9.0	9.0		
EER		10.8	10.0		
Cooling Operating Range	°F (°C)	15~115 (-10~46)	15~115 (-10~46)		
Heating Operating Range	°F (°C)	15~75 (-10~24)	15~75 (-10~24)		
Moisture Removal	Pt./h (l/h)	2.7 (1.3)	3.8 (1.8)		
Fan					
Air Circulation: Hi	CFM (m ³ /h)	436 (740)	436 (740)		
Air Circulation: Medium	CFM (m ³ /h)	353 (600)	353 (600)		
Air Circulation: Low	CFM (m ³ /h)	265 (450)	265 (450)		
Quiet	CFM (m ³ /h)	191 (325)	191 (325)		
Fan Speed Stage		4 + Auto	4 + Auto		
Sound					
Indoor Sound Level (Clg/Htg): Hi	dB(A)	43/43	43/43		
Indoor Sound Level (Clg/Htg): Medium	dB(A)	38/38	38/38		
Indoor Sound Level (Clg/Htg): Low	dB(A)	33/33	33/33		
Quiet	dB(A)	23/23	23/23		
Outdoor Sound Level Clg/Htg	dB(A)	47/48	51/51		
Electrical					
Voltage / Frequency / Phase		115/60/1	115/60/1		
Circuit Breaker	Amps	15	20		
Current Rated: Cooling	Amps	7.5	10.9		
Current Rated: Heating	Amps	7.0	11.0		
Power Use Rated: Cooling	kW	0.83	1.20		
Power Use Rated: Heating	kW	0.77	1.21		
Size & Weight					
Net Weight	lbs. (kg)	16 (7)	64 (29)	16 (7)	69 (31)
Height	Inch	10-5/16	21-1/4	10-5/16	21-1/4
	mm	262	540	262	540
Width	Inch	32-9/32	26	32-9/32	26
	mm	820	660	820	660
Depth	Inch	8-1/8	11-11/32	8-1/8	11-11/32
	mm	206	290	206	290
Refrigerant		R410A		R410A	
Additional Data					
Air Direction: Horizontal		Manual		Manual	
Air Direction: Vertical		Automatic		Automatic	
Air Filter		Washable		Washable	
Minimum Lineset Length	Ft (m)	10 (3)		10 (3)	
Maximum Lineset Length	Ft (m)	66 (20) (pre-charge: 49')		66 (20) (pre-charge: 49')	
Max. Vertical Diff.	Ft (m)	49 (15)		49 (15)	
Lineset Diameter	Inch	Suc. 3/8	Dis. 1/4	Suc. 3/8	Dis. 1/4
Indoor RIWH09AVSA		Outdoor ROSH09AVSA		Indoor RIWH12AVSA	
Indoor RIWH12AVSA		Outdoor ROSH12AVSA			

Note: Figures are based on 115 Volts.

18, 24, 30, 36,000 BTU/HR WALL MOUNT HEAT PUMPS



¹Available only with optional wired remote control.

²Available only with optional Interface kit.

³AXJ models only.

FUNCTION

Stylish, slim and elegant, these wall mounted ductless heat pumps are designed for single rooms. Ideal for spaces requiring additional capacity but are limited on space. With more efficient zone control, ductless mini-splits are perfect for renovations, restorations, conversions, and add-ons.

OPTIONAL ACCESSORIES

- Wired Remote Control: RXRVNUM
- Wired Remote Control: RXRNNUM
- Simple Remote Control: RXRSNUM
- Dry Contact Wire Kit: RXWZX

LOCK OUT FUNCTION

This feature is set by the contractor on behalf of the Commercial Property Owner to prevent either Cooling or Heating operation from occurring. This is not a function that can be set by a tenant, user, or homeowner.

UP TO 19.0 SEER

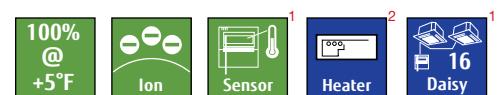


Performance		18ASJ	24ASJ	30AXJ	36AXJ
Nominal Cooling	BTU/HR	18,000	24,000	30,000	33,000
Min.-Max. Cooling	BTU/HR	3,100~19,000	3,100~25,000	9,900~32,400	9,900~34,100
Nominal Heating	BTU/HR	18,000	24,000	30,000	34,000
Min.-Max. Heating	BTU/HR	7,000~20,000	7,500~27,000	8,000~33,000	10,200~35,000
SEER		19.0	18.0	16.5	15.5
HSPF		10.6	10.6	9.0	9.0
EER		12.5	10.0	9.5	8.5
Cooling Operating Range	°F (°C)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)
Heating Operating Range	°F (°C)	5~75 (-15~24)	5~75 (-15~24)	5~75 (-15~24)	5~75 (-15~24)
Moisture Removal	Pt./h (l/h)	4.0 (1.9)	6.3 (3.0)	9.7 (4.6)	10.1 (4.8)
Fan		18ASJ	24ASJ	30AXJ	36AXJ
Air Circulation: Hi	CFM (m ³ /h)	542 (920)	659 (1,120) Clg 647 (1,100) Htg	659 (1,120) Clg 677 (1,150) Htg	695 (1,180)
Air Circulation: Medium	CFM (m ³ /h)	439 (740)	530 (900)	530 (900)	530 (900)
Air Circulation: Low	CFM (m ³ /h)	365 (620)	436 (740)	436 (740)	436 (740)
Quiet	CFM (m ³ /h)	306 (520)	365 (620)	365 (620)	365 (620)
Fan Speed Stage		4+Auto	4+Auto	4+Auto	4+Auto
Sound		18ASJ	24ASJ	30AXJ	36AXJ
Indoor Sound Level (Clg/Htg): Hi	dB(A)	42/43	47/47	47/49	50/50
Indoor Sound Level (Clg/Htg): Medium	dB(A)	35/36	41/42	42/42	42/42
Indoor Sound Level (Clg/Htg): Low	dB(A)	31/33	35/36	37/37	37/37
Quiet	dB(A)	26/28	31/33	32/33	32/33
Outdoor Sound Level Clg/Htg	dB(A)	51/50	54/55	52/55	52/55
Electrical		18ASJ	24ASJ	30AXJ	36AXJ
Voltage / Frequency / Phase		208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Circuit Breaker	Amps	15	20	30	30
Current Rated / Max: Cooling	Amps	6.4/8.3	10.5/11.8	13.8/16.8	17.0/18.0
Current Rated / Max: Heating	Amps	5.8/11.8	8.5/13.8	12.3/18.8	14.8/18.8
Power Use Rated: Cooling	kW	1.44/1.89	2.40/2.69	3.16/3.83	3.88/4.10
Power Use Rated: Heating	kW	1.29/2.69	1.93/3.14	2.80/4.28	3.39/4.28
Size & Weight		18ASJ	24ASJ	30AXJ	36AXJ
Net Weight	lbs. (kg)	31 (14)	86 (39)	31 (14)	134 (61)
Height	Inch	12-5/8	24-7/16	12-5/8	32-11/16
	mm	320	620	320	830
Width	Inch	39-5/16	31-1/8	39-5/16	35-7/16
	mm	998	790	998	900
Depth	Inch	9	11-7/16	9	13
	mm	228	290	228	330
Refrigerant		R410A	R410A	R410A	R410A
Additional Data		18ASJ	24ASJ	30AXJ	36AXJ
Air Direction: Horizontal		Automatic	Automatic	Automatic	Automatic
Air Direction: Vertical		Automatic	Automatic	Automatic	Automatic
Air Filter		Washable	Washable	Washable	Washable
Minimum Piping Length	Ft (m)	10 (3)	10 (3)	16 (5)	16 (5)
Maximum Piping Length	Ft (m)	66 (20) (pre-charge: 49')	66 (20) (pre-charge: 49')	165 (50) (pre-charge: 66')	165 (50) (pre-charge: 66')
Maximum Vertical Differential	Ft (m)	49 (15)	49 (15)	98 (30)	98 (30)
Lineset Size	Inch	Suc.1/2	Dis.1/4	Suc.5/8	Dis.3/8



Note: Figures are based on 230 Volts.

9, 12, 15,000 BTU/HR FLOOR MOUNT HEAT PUMPS



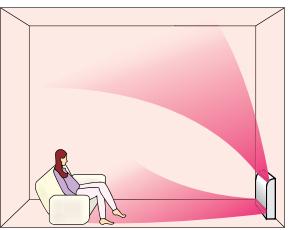
IDEAL RADIATOR REPLACEMENT



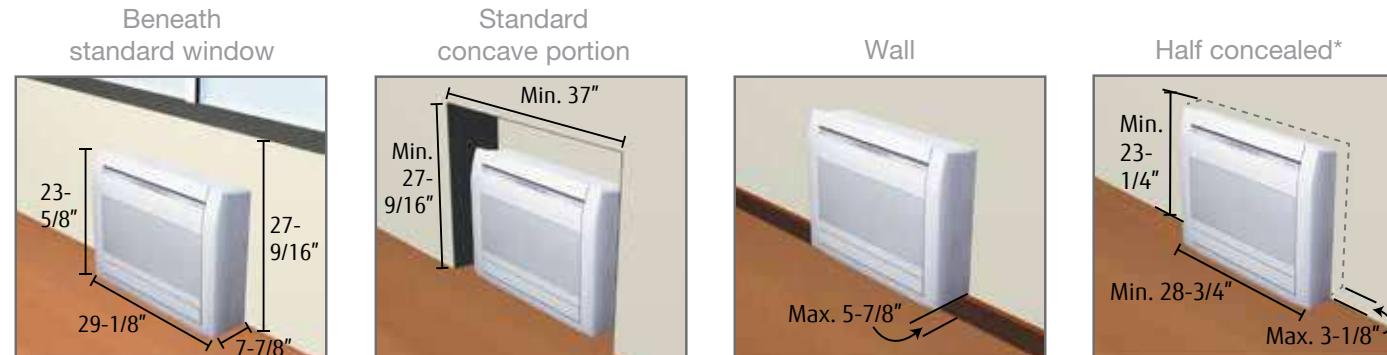
At less than 24" high and 30" wide, floor mount models fit easily under a standard window and can replace a radiator twice its size while producing more capacity.

TWO FANS AND WIDE AIRFLOW

Having both upper and lower airflow quickly warms or cools the entire room. Floor mount can be set in "Upward Airflow Only" when occupants wish not to have feet warmed or cooled.



FLEXIBLE AND EASY INSTALLATION

LOW TEMP HEATING SYSTEMS
09AFFHJ, 12AFFHJ, 15AFFHJ

UP TO 26 SEER



Performance							
Nominal Cooling	BTU/HR	9,000	12,000	14,200	9,000	12,000	14,200
Min.-Max. Cooling	BTU/HR	3,100~13,000	3,100~14,300	3,100~17,700	3,100~13,000	3,100~14,300	3,100~17,700
Nominal Heating	BTU/HR	12,000	16,000	18,000	12,000	16,000	18,000
Min.-Max. Heating	BTU/HR	3,100~18,800	3,100~22,100	3,100~23,900	3,100~18,800	3,100~19,500	3,100~20,800
SEER		26.0	22.7	20.3	26.0	22.7	20.3
HSPF		12.6	11.6	11.2	12.4	11.3	11.0
EER		16.0	13.1	12.5	16.0	13.1	12.5
Cooling Operating Range	°F (°C)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)
Heating Operating Range	°F (°C)	-5~75 (-21~24)	-5~75 (-21~24)	-5~75 (-21~24)	-15~75 (-26~24)	-15~75 (-26~24)	-15~75 (-26~24)
Moisture Removal	Pt./h (l/h)	2.75 (1.3)	3.8 (1.8)	4.44 (2.1)	2.75 (1.3)	3.8 (1.8)	4.44 (2.1)
Max Htg % of Model # Capacity at +5°F (-15°C)*		149%	125%	118%	149%	125%	118%
Max Htg % of Model # Capacity at -5°F (-21°C)*		130%	111%	107%	130%	111%	107%
Max Htg % of Model # Capacity at -15°F (-26°C)*		--	--	--	115%	100%	96%
Fan							
Air Circulation: Hi	CFM (m3/h)	335 (570)	335 (570)	383 (650)	335 (570)	335 (570)	383 (650)
Air Circulation: Medium	CFM (m3/h)	271 (460)	271 (460)	306 (520)	271 (460)	271 (460)	306 (520)
Air Circulation: Low	CFM (m3/h)	212 (360)	212 (360)	235 (400)	212 (360)	212 (360)	235 (400)
Quiet	CFM (m3/h)	159 (270)	159 (270)	159 (270)	159 (270)	159 (270)	159 (270)
Fan Speed Stage		4+Auto	4+Auto	4+Auto	4+Auto	4+Auto	4+Auto
Sound							
Indoor Level (Clg/Htg): Hi	dB(A)	40/40	40/40	44/43	40/40	40/40	44/43
Indoor Level (Clg/Htg): Medium	dB(A)	35/35	35/35	38/37	35/35	35/35	38/37
Indoor Level (Clg/Htg): Low	dB(A)	29/29	29/29	31/29	29/29	29/29	31/29
Quiet	dB(A)	23/23	23/23	23/23	23/23	23/23	23/23
Outdoor Level Clg/Htg	dB(A)	50/50	52/52	54/54	50/50	52/52	54/54
Electrical							
Voltage / Frequency / Phase		208~230/60/1	208~230/60/1	208~230/60/1	208~230/60/1	208~230/60/1	208~230/60/1
Circuit Breaker	Amps	15	15	20	15	15	20
Current Rated: Cooling	Amps	2.9	4.2	5.1	2.9	4.2	5.1
Current Rated: Heating	Amps	4.1	6.7	7.0	4.1	6.7	7.0
Power Use Rated: Cooling	kW	.56	.97	1.13	.56	.97	1.13
Power Use Rated: Heating	kW	.88	1.44	1.58	.88	1.44	1.58
Size & Weight							
Net Weight	lbs. (kg)	31 (14)	84 (38)	31 (14)	84 (38)	31 (14)	86 (39)
Height	Inch	23-5/8	24-7/16	23-5/8	24-7/16	23-5/8	24-7/16
	mm	600	620	600	620	600	620
Width	Inch	29-1/8	31-1/8	29-1/8	31-1/8	29-1/8	31-1/8
	mm	740	790	740	790	740	790
Depth	Inch	7-7/8	11-7/16	7-7/8	11-7/16	7-7/8	11-7/16
	mm	200	290	200	290	200	290
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A
Additional Data							
Air Direction: Horizontal		Manual	Manual	Manual	Manual	Manual	Manual
Air Direction: Vertical		Auto	Auto	Auto	Auto	Auto	Auto
Air Filter		Washable	Washable	Washable	Washable	Washable	Washable
Minimum Lineset Length	Ft (m)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)
Maximum Lineset Length	Ft (m)	66 (20) (pre-charge: 49')					
Max. Vertical Differential	Ft (m)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)
Lineset Size	Inch	Suc. 3/8	Dis. 1/4	Suc. 3/8	Dis. 1/4	Suc. 1/2	Dis. 1/4
	Inch	Suc. 3/8	Dis. 1/4	Suc. 3/8	Dis. 1/4	Suc. 1/2	Dis. 1/4

* Based on model # capacity class (e.g. 9RLS3Y based on 9,000 BTU/HR) @ 70°F indoor setpoint. Refer to the Design & Technical Manual for more heating capacity data.

Indoor RHF09AVFJ	Outdoor ROSH09AFFJ	Indoor RHF12AVFJ	Outdoor ROSH12AFFJ	Indoor RHF15AVFJ	Outdoor ROSH15AFFJ	Indoor RHF09AVFJ	Outdoor ROSH09AFFJ	Indoor RHF12AVFJ	Outdoor ROSH12AFFJ	Indoor RHF15AVFJ	Outdoor ROSH15AFFJ
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Note: Figures are based on 230 Volts.

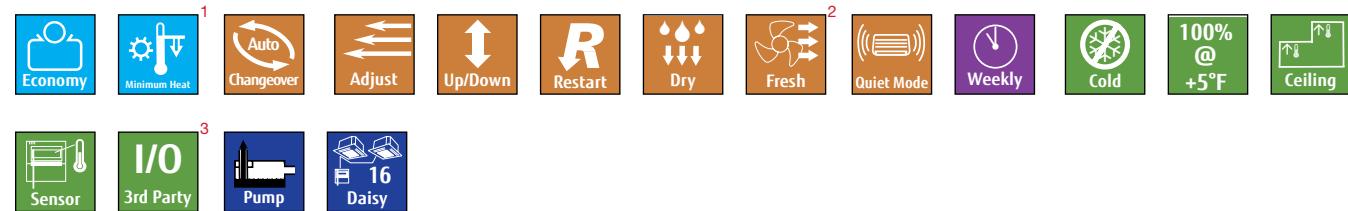
9,12,18,000 BTU/HR COMPACT CASSETTE HEAT PUMPS

SYSTEMS

09AFCJ, 12AFCJ, 18AFCJ



Compact Cassette Grille RXCCGF shown is sold separately and must be ordered with each compact cassette.



¹Available only with optional wireless remote control.

²Requires Rheem's Optional Fresh Air Kit part #RXVXAA. Allows for a 4-inch flex duct connection. Requires a field supplied duct booster fan capable of 60 CFM at .2" W.C. or 90 CFM at .4" W.C. For fan static pressure requirements, see installation manual. Add hood, filter and duct losses for fan total static pressure requirements. Will add 4" to the height of the indoor unit.

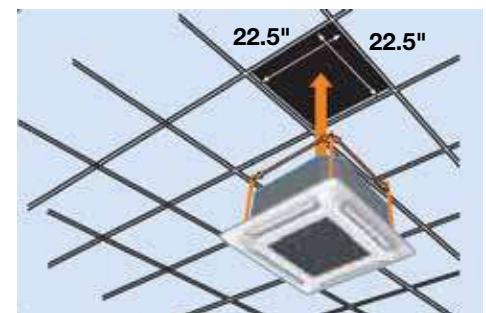
³Available only with optional Interface kit. Operation monitoring and On / Off control only.

FUNCTION

Compact cassettes provide comfort cooling or heating for small room applications. Features include high efficiency up to 24.0 SEER, heating at low temperatures down to -5°F, compact design, quiet operation, a standard wired remote control, and the ability to bring in fresh air through the optional Fresh Air Kit.

EASY INSTALLATION

Fits into a standard ceiling tile*.

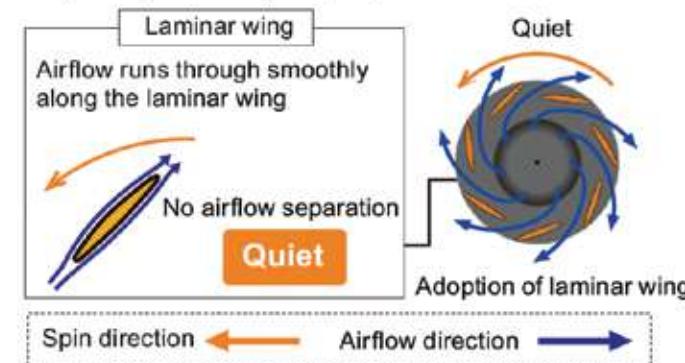


*Dimensions of outer grille are 27-9/16" x 27-9/16" and may overlap adjacent tiles.

QUIET OPERATION

Optimization of wing form (laminar wing design) and number of wings (7 blades) enables as low as 27 dB.

Designed by CFD-analysis (fluid) simulations



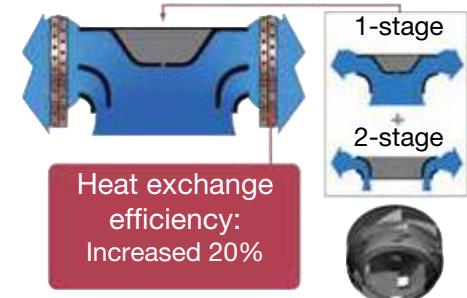
OPTIONAL ACCESSORIES

- Wired Remote Control: RXRVNUM
- Wireless remote RXLNHUM
- Fresh Air Kits RXVXAA



2-STAGE TURBO FAN

Air distribution is evenly spread across the heat exchanger by the 2-stage turbo fan which produces two separate airflow streams.



UP TO 24.0 SEER



18AFCJ

Performance

Nominal Cooling	BTU/HR	9,000	12,000	18,000
Min.-Max. Cooling	BTU/HR	3,100~12,000	3,100~13,600	3,100~20,100
Nominal Heating	BTU/HR	12,000	16,000	21,600
Min.-Max. Heating	BTU/HR	3,100~18,000	3,100~19,400	3,100~25,600
SEER		24.0	21.9	20.1
HSPF		13.0	12.2	11.5
EER		14.5	12.8	11.2
Cooling Operating Range	°F (°C)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)
Heating Operating Range	°F (°C)	-5~75 (-21~24)	-5~75 (-21~24)	-5~75 (-21~24)
Moisture Removal	Pt./h (l/h)	1.3 (.06)	2.5 (1.2)	4.6 (2.2)

Fan

Air Circulation: Hi	CFM (m3/h)	318 (540) Clg or Htg	359 (610) Clg or Htg	400 (680) Clg 471 (800) Htg
Air Circulation: Medium	CFM (m3/h)	288 (490) Clg or Htg	312 (530) Clg or Htg	341 (580) Clg 400 (680) Htg
Air Circulation: Low	CFM (m3/h)	259 (440) Clg or Htg	277 (470) Clg or Htg	288 (490) Clg 341 (580) Htg
Quiet	CFM (m3/h)	230 (390) Clg or Htg	241 (410) Clg or Htg	241 (410) Clg 265 (450) Htg
Fan Speed Stage		4+auto	4+auto	4+auto
Sound				
Indoor Sound Level (Clg/Htg): Hi	dB(A)	33/34	37/37	40/44
Indoor Sound Level (Clg/Htg): Medium	dB(A)	32/32	33/33	36/40
Indoor Sound Level (Clg/Htg): Low	dB(A)	29/29	31/31	32/36
Quiet	dB(A)	28/27	28/28	28/30
Outdoor Sound Level Clg/Htg	dB(A)	48/49	49/50	54/55

Electrical

Voltage / Frequency / Phase		208-230/60/1	208-230/60/1	208-230/60/1
Circuit Breaker	Amps	15	15	20
Current Rated: Cooling	Amps	3.0	4.4	7.1
Current Rated: Heating	Amps	4.1	6.7	7.7
Power Use Rated / Max: Cooling	kW	0.62/1.40	0.94/1.45	1.61/2.15
Power Use Rated / Max: Heating	kW	0.89/1.80	1.44/2.00	1.76/2.60

Size & Weight

Net Weight	lbs. (kg)	33 (15)	84 (38)	33 (15)	84 (38)	33 (15)	86 (39)
Height	Inch	9-11/16	1-15/16	24-1/2	9-11/16	1-15/16	24-1/2
	mm	245	49	620	245	49	620
Width	Inch	22-7/16	27-9/16	31-3/32	22-7/16	27-9/16	31-3/32
	mm	570	700	790	570	700	790
Depth	Inch	22-7/16	27-9/16	11-11/32	22-7/16	27-9/16	11-11/32
	mm	570	700	290	570	700	290

Refrigerant

	R410A	R410A	R410A
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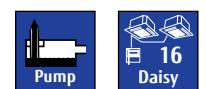
Additional Data

Air Direction: Vertical		Automatic	Automatic	Automatic
Air Filter		Washable	Washable	Washable
Minimum Lineset Length	Ft (m)	10 (3)	10 (3)	10 (3)
Maximum Lineset Length	Ft (m)	66 (20) (pre-charge: 49')	66 (20) (pre-charge: 49')	66 (20) (pre-charge: 49')
Max. Vertical Diff.	Ft (m)	49 (15)	49 (15)	49 (15)

Lineset Size	Inch	suc 3/8	dis 1/4	suc 3/8	dis 1/4	suc 1/2	dis 1/4
Indoor	RICH09AVFJ	Grille RXCCGF	Outdoor	RICH12AVFJ	Grille RXCCGF	Outdoor	ROCH18AVFJ

Note: Figures are based on 230 Volts.

9, 12, 18,000 BTU/HR SLIM DUCT HEAT PUMPS

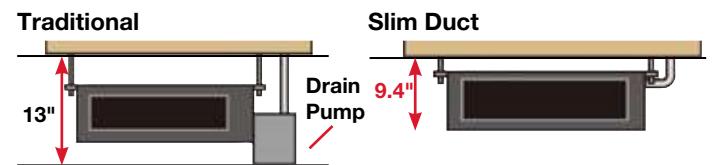
¹Available only with optional wireless remote control.²Available only with optional Interface kit. Operation monitoring and On / Off control only.

FUNCTION

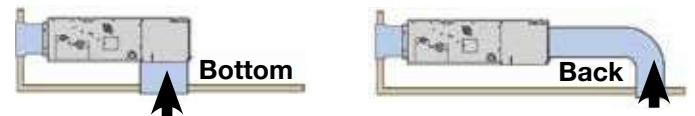
Slim ducts provide cooling or heating for small room applications such as offices, restaurants, convenience stores, motels, dorms, in retrofit and new construction. Long maximum combined piping length of 66' and 49' in height allow for versatile installations. Either horizontal or vertical flexibility and low height enables compact soffit or cabinet installation.

SLIM DUCT

Built-in drain pump allows for installation of slim duct unit in smaller spaces than traditional units.



RETURN AIR-INTAKE CHOICES



FIELD SUPPLIED FILTERS USED WITH SLIM DUCT UNITS

Although Slim Duct units come with factory filters, when return ductwork is used field supplied filters are more practical to use. They can be installed at the unit or for more convenient servicing, in filter grilles. See the guidelines to the right to determine filter sizes.

The chart includes CFM, external static pressure capability and a typical filter size for each model. Filters are sized to keep velocities and static pressure loss low. This will ensure sufficient static pressure is available for ductwork, fittings and supply and return grilles.

Alternative filter sizes with equivalent face areas can be used. After deducting filter loss, available static pressure values are shown.



A fiberglass filter is shown in blue to the left. A MERV pleated filter is shown in white.



OPTIONAL ACCESSORIES

- Wired Remote Control: RXRVNUM
- Wireless Remote and Receiver RXLRHUM
- Auto Louver Grille Kit: RXGXSA-W (for RIDH07/09/12) and RXGXS-B-W (for RIDH18)

	RIDH 09AVFJ	RIDH 12AVFJ	RIDH 18AVFJ
CFM	353	383	547
Typical Filter Size	12 x 20	12 x 20	14 x 25
Velocity, FPM	212	230	228
Unit External SP, in. W.C.	0.36	0.36	0.36
SP Loss, in. W.C.	0.04	0.05	0.04
Available Static Pressure	0.32	0.31	0.32
SP Loss, in. W.C.	0.12	0.14	0.14
Available Static Pressure	0.24	0.22	0.22
SP Loss, in. W.C.	0.07	0.08	0.08
Available Static Pressure	0.29	0.28	0.28

UP TO 21.5 SEER

09AFCJ		12AFCJ		18AFCJ	
Performance					
Nominal Cooling	BTU/HR	9,000	12,000	18,000	
Min.-Max. Cooling	BTU/HR	3,100~12,000	3,100~13,600	3,100~20,100	
Nominal Heating	BTU/HR	12,000	16,000	21,600	
Min.-Max. Heating	BTU/HR	3,100~18,000	3,100~19,400	3,100~25,600	
SEER		21.5	20.0	19.7	
HSPF		12.2	11.5	11.3	
EER		14.5	12.8	12.0	
Cooling Operating Range	°F (°C)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)	
Heating Operating Range	°F (°C)	-5~75 (-21~24)	-5~75 (-21~24)	-5~75 (-21~24)	
Moisture Removal	Pt./h (l/h)	1.5 (.07)	2.7 (1.3)	4.2 (2.0)	
Fan					
Air Circulation: Hi	CFM (m3/h)	353 (600)	383 (650)	554 (940)	
Air Circulation: Medium	CFM (m3/h)	324 (550)	353 (600)	518 (880)	
Air Circulation: Low	CFM (m3/h)	294 (500)	324 (550)	483 (820)	
Quiet	CFM (m3/h)	265 (450)	283 (480)	442 (750)	
Fan Speed Stage		4+auto	4+auto	4+auto	
Sound					
Indoor Sound Level (Clg/Htg): Hi	dB(A)	28/28	29/29	32/32	
Indoor Sound Level (Clg/Htg): Medium	dB(A)	27/26	28/28	30/30	
Indoor Sound Level (Clg/Htg): Low	dB(A)	26/25	27/27	29/29	
Quiet	dB(A)	25/24	26/24	27/27	
Outdoor Sound Level Clg/Htg	dB(A)	48/49	49/50	54/55	
Electrical					
Voltage / Frequency / Phase		208-230/60/1	208-230/60/1	208-230/60/1	
Circuit Breaker	Amps	15	15	20	
Current Rated: Cooling	Amps	3.0	4.4	6.6	
Current Rated: Heating	Amps	3.9	6.0	7.3	
Power Use Rated / Max: Cooling	kW	0.62/1.40	0.94/1.45	1.50/2.15	
Power Use Rated / Max: Heating	kW	0.85/1.80	1.30/2.00	1.67/2.60	
Size & Weight					
Net Weight	lbs. (kg)	41 (19)	84 (38)	84 (38)	86 (39)
Height	Inch	7-25/32	5-15/16	6	24-1/2
	mm	198	151	152	620
Width	Inch	27-9/16	25-19/32	22	31-3/32
	mm	700	650	559	790
Depth	Inch	24-13/32	3/4	3/4 Flat	11-11/32
	mm	620	19	19 Flat	290
Refrigerant		R410A		R410A	
Additional Data					
Static Pressure in. W. C.		0 ~ 0.36		0 ~ 0.36	
Air Filter		Washable		Washable	
Minimum Lineset Length	Ft (m)	10 (3)		10 (3)	
Maximum Lineset Length	Ft (m)	66 (20) (pre-charge: 49')		66 (20) (pre-charge: 49')	
Max. Vertical Diff.	Ft (m)	49 (15)		49 (15)	
Lineset Size	Inch	suc 3/8	dis 1/4	suc 3/8	dis 1/4
					suc 1/2
					dis 1/4
Indoor RIDH09AVFJ	SUPPLY DUCT FLANGE	RETURN DUCT	Outdoor ROSH09AVFJ	Indoor RIDH12AVFJ	SUPPLY DUCT FLANGE
				Outdoor ROSH12AVFJ	RETURN DUCT
Indoor RIDH12AVFJ	SUPPLY DUCT FLANGE	RETURN DUCT	Outdoor ROSH12AVFJ	Indoor RIDH18AVFJ	SUPPLY DUCT FLANGE
				Outdoor ROSH18AVFJ	RETURN DUCT

Note: Figures are based on 230 Volts.

MULTI-ZONE MINI-SPLIT SYSTEMS

ROMH18AFXZJ, ROMH24AFXZJ,
ROMH36AFXZJ, ROMH45AFXZJ

- Operate as few as one indoor unit or all indoor units
- Choose from 4 indoor unit styles - wall mount, slim duct, compact cassette, and floor mount
- Create hundreds of combinations based on indoor type and BTU/HR
- Connect 2 to 5 indoor units, depending on model
- Connect 14,000 to 54,000 BTU/HR
- No branch boxes or separation tubes required
- A Tri-Zone 24,000 BTU Unit
Rheem offers a 2-ton system that provides 2 or 3-zone flexibility. By using connectable capacity, this system allows up to three 9,000 BTU units.
- **Pricing Compared to Competition**
Additional outdoor units provides better matched BTU capacity with indoor units. By better matching the outdoor unit to the indoor capacity a better system value is achieved.



YEAR-ROUND, WHOLE HOME OR BUSINESS COMFORT

Ductless systems are one of today's most advanced forms of heating and cooling. Multi-zone outdoor units can operate from 2 to 5 indoor units simultaneously. Rheem® Mini-Split systems are super quiet as well as highly energy efficient.

Shown to the right is outdoor model ROMH36AFXZJ connected to three wall mount indoor units.

MULTI-ZONE SYSTEMS 18,000, 24,000, 36,000, AND 45,000 BTU/HR

Connectable Capacity

This allows connectable indoor units' total capacity to exceed outdoor unit capacity. See Allowable Combination table on page 50.

If all indoor units are cooling or heating at the same time, the system will limit their capacity so that their total matches the outdoor unit's capacity. When a zone meets a desired set temperature it requires less capacity. The unused capacity is then distributed to the remaining indoor units, increasing their capacity.

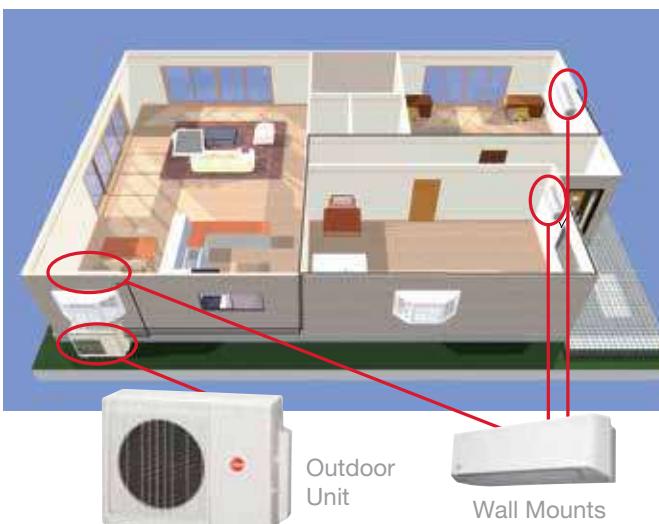


MIX AND MATCH FLEXIBILITY

The ability to create the **right** combinations, the **right** quantity (up to 5-zones), the **right** style indoor units, and the **right** capacity. It's the **RIGHT** choice for your home or business.

MULTI-ZONE OUTDOOR UNITS

	ROMH18AFXZJ	ROMH24AFXZJ	ROMH36AFXZJ	ROMH45AFXZJ
WALL MOUNTS				
RIWH07, 09, 12AVFJ	✓	✓	✓	✓
RIWH15AVFJ		✓	✓	✓
RIWH18AVFJ		✓	✓	✓
RIWH24AVFJ			✓	✓
FLOOR MOUNTS				
RIFH09, 12AVFJ	✓	✓	✓	✓
RIFH15AVFJ		✓	✓	✓
SLIM DUCTS				
RIDH07, 09, 12AVFJ	✓	✓	✓	✓
RIDH18AVFJ		✓	✓	✓
RIDH24AVFJ			✓	✓
COMPACT CASSETTES				
RICH07, 09, 12AVFJ	✓	✓	✓	✓
RICH18AVFJ		✓	✓	✓



INDIVIDUAL ZONING: PERSONALIZED WHOLE HOME COMFORT

WALL MOUNTED

They mount high on a wall, out of sight and do not require ductwork, increasing energy efficiency.

- Quiet operation
- Easy maintenance
- High delivered efficiency means lower utility bills



SLIM DUCT

Mounted in a ceiling or in a framed enclosure below a ceiling. They use minimal ductwork and remain very energy efficient.

- Concealed and out of sight
- Look of central air with the efficiency of a mini-split
- Less ducts = higher efficiency



COMPACT CASSETTE

Cassettes are extremely discreet, with only the grille showing in the ceiling. They use the latest fan technology to distribute the conditioned air evenly.

- Wired remote control (wireless is optional)
- Powerful turbo fan operation
- Fits into a standard 2' x 2' ceiling grid



FLOOR MOUNTED

Floor mount systems are ideal for residential radiator replacements or any room with limited upper wall space, like a kitchen or sunroom.

- Compact size fits easily under a standard window
- Features twin airflow for improved heat delivery
- Designer wireless remote control

7, 9, 12, 15, 18, 24,000 BTU/HR WALL MOUNT

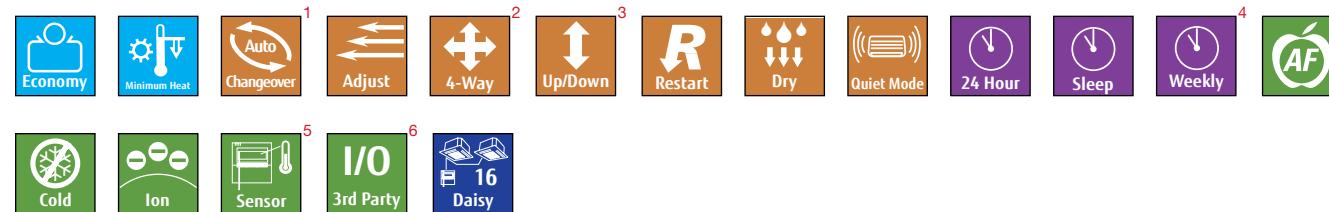
MULTI-ZONE INDOOR



RIWH07, 09, 12, 15AVFJ



RIWH18, 24AVFJ



¹Auto Changeover is not designed to provide rapid changes between heating and cooling operation or simultaneous heating and cooling. This feature is not recommended for systems with more than one indoor unit unless all indoor units have similar heating and cooling requirements and have similar temperature set points. If all indoor units have similar heating and cooling requirements and have similar temperature set points, auto changeover will work.

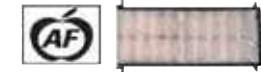
BUILT IN FILTRATION

LONG-LIFE ION DEODORIZATION FILTER



The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic. The filter can be used for approximately 3 years if it is washed with water when dirty to restore its surface action.

APPLE CATECHIN FILTER



Dust, mold spores and micro-organisms are absorbed onto the filter by static electricity and growth is inhibited and deactivated.

RIWH07AVFJ, RIWH09AVFJ, RIWH12AVFJ, RIWH15AVFJ, RIWH18AVFJ, RIWH24AVFJ

	RIWH07AVFJ	RIWH09AVFJ	RIWH12AVFJ	RIWH15AVFJ	RIWH18AVFJ	RIWH24AVFJ
Performance						
Nominal Cooling	BTU/HR	7,000	9,000	12,000	14,000	18,000
Nominal Heating	BTU/HR	8,100	10,200	13,500	16,300	20,000
Fan						
Air Circulation: Hi	CFM (m3/h)	Clg 330 (560) Htg 330 (560)	Clg 353 (600) Htg 353 (600)	Clg 388 (660) Htg 388 (660)	Clg 430 (730) Htg 430 (730)	Clg 542 (920) Htg 542 (920)
Air Circulation: Medium	CFM (m3/h)	Clg 294 (500) Htg 294 (500)	Clg 306 (520) Htg 306 (520)	Clg 330 (560) Htg 330 (560)	Clg 353 (600) Htg 362 (615)	Clg 436 (740) Htg 436 (740)
Air Circulation: Low	CFM (m3/h)	Clg 253 (430) Htg 253 (430)	Clg 253 (430) Htg 253 (430)	Clg 265 (450) Htg 277 (470)	Clg 312 (530) Htg 330 (560)	Clg 365 (620) Htg 365 (620)
Quiet	CFM (m3/h)	Clg 182 (310) Htg 194 (330)	Clg 182 (310) Htg 194 (330)	Clg 182 (310) Htg 194 (330)	Clg 212 (360) Htg 221 (375)	Clg 324 (550) Htg 324 (550)
Fan Speed Stage		4+auto	4+auto	4+auto	4+auto	4+auto
Sound						
Indoor Sound Level (Clg/Htg): Hi	dB(A)	36/36	37/37	40/40	42/42	43/44
Indoor Sound Level (Clg/Htg): Medium	dB(A)	32/32	33/33	36/36	38/38	37/37
Indoor Sound Level (Clg/Htg): Low	dB(A)	29/29	29/29	30/31	33/35	33/33
Quiet	dB(A)	21/22	21/22	21/22	25/27	31/31
Electrical						
Voltage / Frequency / Phase		208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Current Rated: Cooling	Amps	0.13	0.15	0.19	0.25	0.32
Current Rated: Heating	Amps	0.13	0.15	0.19	0.25	0.32
Power Use Rated: Cooling	W	15	17	22	28	41
Power Use Rated: Heating	W	15	17	22	28	41
Size & Weight						
Net Weight	Ibs. (kg)	19 (8.5)	19 (8.5)	19 (8.5)	19 (8.5)	31 (14)
Height	Inch	10-1/2	10-1/2	10-1/2	10-1/2	12-5/8
	mm	268	268	268	268	320
Width	Inch	33-1/16	33-1/16	33-1/16	33-1/16	39-1/4
	mm	840	840	840	840	998
Depth	Inch	8	8	8	8	9
	mm	203	203	203	203	228
Refrigerant		R410A	R410A	R410A	R410A	R410A
Additional Data						
Air Direction: Horizontal		Manual	Manual	Manual	Manual	Auto
Air Direction: Vertical		Auto	Auto	Auto	Auto	Auto
Primary Air Filter		Washable	Washable	Washable	Washable	Washable
Ion Deodorizing Filter		Disposable	Disposable	Disposable	Disposable	Disposable
Apple Catechin Filter		Disposable	Disposable	Disposable	Disposable	Disposable
Lineset Size	Inch	suc 3/8	suc 3/8	suc 3/8	suc 1/4 dis 1/2	suc 1/2
						suc 5/8

The following combinations are ENERGY STAR® qualifying:

		ROMH18AFXZJ with (2) RIWH09AVFJ ROMH18AFXZJ with (1) RIWH07AVFJ + (1) RIWH12AVFJ ROMH18AFXZJ with (1) RIWH09AVFJ + (1) RIWH12AVFJ
		ROMH24AFXZJ with (2) RIWH07AVFJ + (1) RIWH09AVFJ

7, 9, 12, 18, 24,000 BTU/HR SLIM DUCT

MULTI-ZONE INDOOR



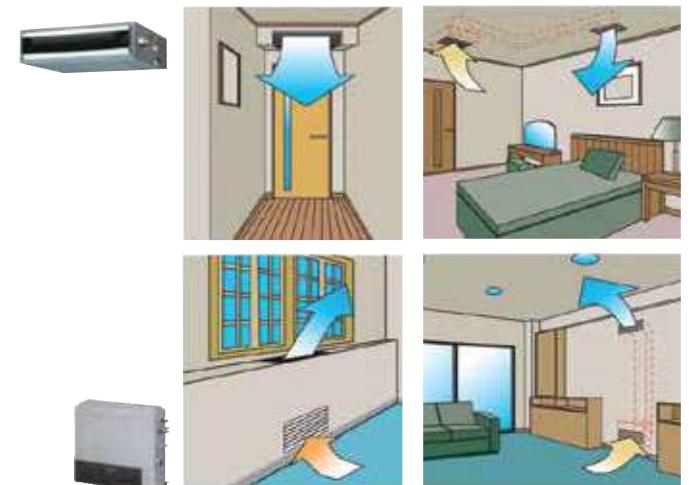
¹Available only with optional wireless remote control.

²Auto Changeover is not designed to provide rapid changes between heating and cooling operation or simultaneous heating and cooling. This feature is not recommended for systems with more than one indoor unit unless all indoor units have similar heating and cooling requirements and have similar temperature set points. If all indoor units have similar heating and cooling requirements and have similar temperature set points, auto changeover will work.

³Available only with optional interface kit.

FLEXIBLE INSTALLATION

Horizontal or vertical, though internal drain pump will not operate when the unit is mounted in a vertical configuration.



FIELD SUPPLIED FILTERS

Filters are sized to keep velocities and static pressure loss low. This will ensure sufficient static pressure is available for ductwork, fittings and supply and return grilles.

Alternative filter sizes with equivalent face areas can be used.

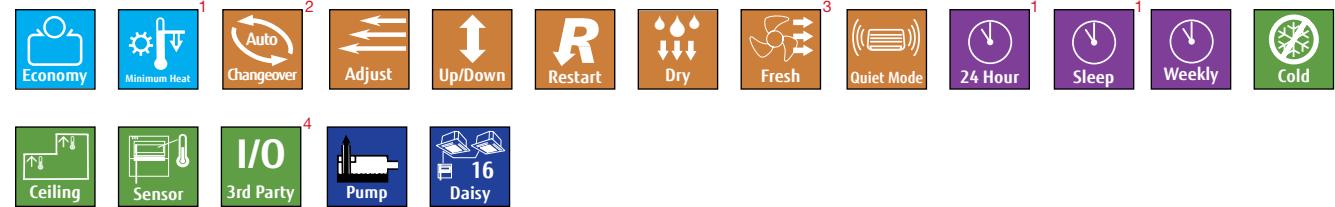
	RIDH07AVFJ	RIDH09AVFJ	RIDH12AVFJ	RIDH18AVFJ	RIDH24AVFJ
CFM	323	353	383	554	785
Typical Filter Size	12 x 20	12 x 20	12 x 20	14 x 25	18 x 30
Velocity, FPM	194	212	230	228	209
Unit External SP, in. W.C.	0.36	0.36	0.36	0.36	0.20
1" Fiberglass Filter					
SP Loss, in. W.C.	0.04	0.04	0.05	0.04	0.04
Available Static Pressure	0.32	0.32	0.31	0.32	0.16
1" MERV 8 Pleated Filter					
SP Loss, in. W.C.	0.10	0.12	0.14	0.14	0.12
Available Static Pressure	0.26	0.24	0.22	0.22	0.08
2" MERV 8 Pleated Filter					
SP Loss, in. W.C.	0.06	0.07	0.08	0.08	0.07
Available Static Pressure	0.30	0.29	0.28	0.28	0.13

RIDH07AVFJ, RIDH09AVFJ, RIDH12AVFJ, RIDH18AVFJ, RIDH24AVFJ

RIDH07AVFJ	RIDH09AVFJ	RIDH12AVFJ	RIDH18AVFJ	RIDH24AVFJ		
Performance						
Nominal Cooling	BTU/HR	7,000	9,000	12,000	18,000	24,000
Nominal Heating	BTU/HR	8,100	10,200	13,500	20,000	27,000
Fan						
Air Circulation: Hi	CFM (m3/h)	323 (550)	353 (600)	383 (650)	554 (940)	783 (1,330)
Air Circulation: Medium	CFM (m3/h)	288 (490)	324 (550)	353 (600)	518 (880)	730 (1,240)
Air Circulation: Low	CFM (m3/h)	276 (470)	294 (500)	324 (550)	483 (820)	648 (1,100)
Quiet	CFM (m3/h)	259 (440)	265 (450)	283 (480)	442 (750)	607 (1,030)
Fan Speed Stage						
4 + Auto		4 + Auto				
Sound						
Indoor Sound Level (Clg/Htg): Hi	dB(A)	28/28	28/28	29/29	32/33	33/35
Indoor Sound Level (Clg/Htg): Medium	dB(A)	26/26	27/26	28/28	31/32	32/34
Indoor Sound Level (Clg/Htg): Low	dB(A)	25/25	26/25	27/27	30/31	30/32
Quiet	dB(A)	24/24	25/24	26/24	29/29	29/29
Electrical						
Voltage / Frequency / Phase		208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Static Pressure	W. C.	0 ~ 0.36	0 ~ 0.36	0 ~ 0.36	0 ~ 0.36	0 ~ 0.20
Current Rated: Cooling	Amps	0.30	0.30	0.35	0.44	0.66
Current Rated: Heating	Amps	0.30	0.30	0.35	0.44	0.66
Power Use Rated: Cooling	W	33	49	58	73	111
Power Use Rated: Heating	W	33	49	58	73	111
Size & Weight						
Net Weight	Ibs. (kg)	37 (17)	41 (19)	41 (19)	50 (23)	59 (27)
Height	Inch	7-25/32	7-25/32	7-25/32	7-25/32	7-25/32
	mm	198	198	198	198	198
Width	Inch	27-9/16	27-9/16	27-9/16	35-7/16	43-5/16
	mm	700	700	700	900	1,100
Depth	Inch	24-13/32	24-13/32	24-13/32	24-13/32	24-13/32
	mm	620	620	620	620	620
Supply Duct Flange	Inch	5-15/16	5-15/16	5-15/16	5-15/16	5-15/16
Height	mm	151	151	151	151	151
Supply Duct Flange	Inch	25-19/32	25-19/32	25-19/32	33-15/32	41-11/32
Dimensions: Width	mm	650	650	650	850	1,050
Supply Duct Flange	Inch	3/4	3/4	3/4	3/4	3/4
Dimensions: Depth	mm	19	19	19	19	19
Return Duct	Inch	6	6	6	6	6
Dimensions: Height	mm	152	152	152	152	152
Return Duct	Inch	22	22	22	30	37-3/4
Dimensions: Width	mm	559	559	559	762	959
Return Duct	Inch	3/4 (Flat)				
Dimensions: Depth	mm	19 (Flat)				
Refrigerant		R410A	R410A	R410A	R410A	R410A
Additional Data						
Air Filter		Washable	Washable	Washable	Washable	Washable
Lineset Size	Inch	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 3/8 dis 1/4	suc 1/2 dis 1/4	suc 5/8 dis 1/4

7, 9, 12, 18,000 BTU/HR COMPACT CASSETTES

MULTI-ZONE INDOOR



¹Available only with optional wireless remote control.

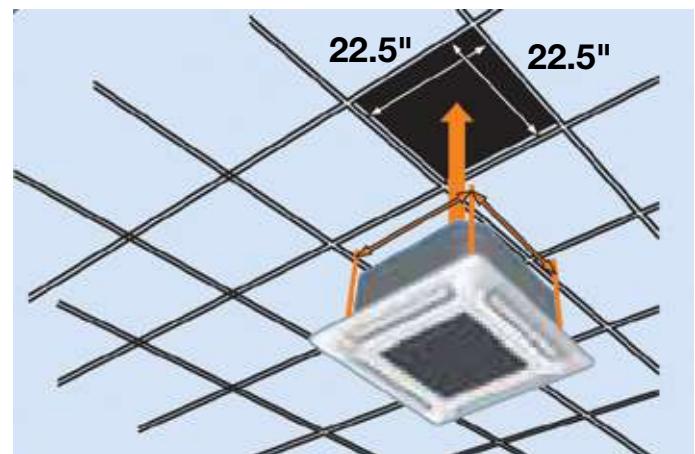
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³Requires Rheem's Optional Fresh Air Kit part #RXVXAA. Allows for a 4-inch flex duct connection. Requires a field supplied duct booster fan capable of 60 CFM at .2" W.C. or 90 CFM at .4" W.C. For fan static pressure requirements, see installation manual. Add hood, filter and duct losses for fan total static pressure requirements. Will add 4" to the height of the indoor unit.

⁴Available only with optional Interface kit. Operation monitoring and On / Off control only.

EASY INSTALLATION

Fits into a standard ceiling tile. Dimensions of outer grille are 27-9/16" x 27-9/16" and may overlap adjacent tiles.



FRESH AIR KITS

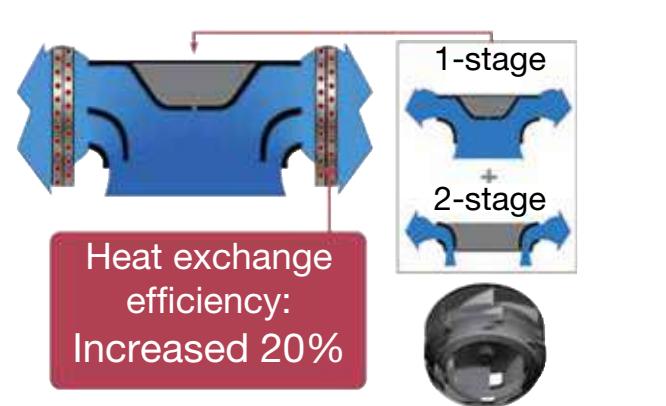


RXVXAA

Mixes room air then passes through the heat exchanger.

2-STAGE TURBO FAN

Air distribution is evenly spread across the heat exchanger by the 2-stage turbo fan which produces two separate airflow streams.



	RICH07AVFJ	RICH09AVFJ	RICH12AVFJ	RICH18AVFJ
Performance				
Nominal Cooling	BTU/HR	7,000	9,000	12,000
Nominal Heating	BTU/HR	8,100	10,200	13,500
Fan				
Air Circulation: Hi	CFM (m3/h)	318 (540) Clg or Htg	318 (540) Clg or Htg	359 (610) Clg or Htg
Air Circulation: Medium	CFM (m3/h)	288 (490) Clg or Htg	288 (490) Clg or Htg	312 (530) Clg or Htg
Air Circulation: Low	CFM (m3/h)	259 (440) Clg or Htg	259 (440) Clg or Htg	277 (470) Clg or Htg
Quiet	CFM (m3/h)	230 (390) Clg or Htg	230 (390) Clg or Htg	241 (410) Clg or Htg
Fan Speed Stage				
		4+auto	4+auto	4+auto
Sound				
Indoor Sound Level (Clg/Htg): Hi	dB(A)	33/34	33/34	37/37
Indoor Sound Level (Clg/Htg): Medium	dB(A)	31/32	31/32	33/33
Indoor Sound Level (Clg/Htg): Low	dB(A)	29/29	29/29	31/31
Quiet	dB(A)	27/27	27/27	28/28
Electrical				
Voltage / Frequency / Phase		208-230/60/1	208-230/60/1	208-230/60/1
Current Rated: Cooling	Amps	0.15	0.15	0.19
Current Rated: Heating	Amps	0.15	0.15	0.19
Power Use Rated / Max: Cooling	(kw)	18	18	23
Power Use Rated / Max: Heating	(kw)	18	18	23
Size & Weight				
Net Weight	lbs. (kg)	33 (15)	33 (15)	33 (15)
Height	Inch	9-11/16	9-11/16	9-11/16
	mm	245	245	245
Width	Inch	22-7/16	22-7/16	22-7/16
	mm	570	570	570
Depth	Inch	22-7/16	22-7/16	22-7/16
	mm	570	570	570
Refrigerant				
		R410A	R410A	R410A
Additional Data				
Air Direction: Vertical		Automatic	Automatic	Automatic
Air Filter		Washable	Washable	Washable
Front Grille		UTG-CCGF*	UTG-CCGF*	UTG-CCGF*
Grille Dim: Height	Inch (mm)	1-15/16 (49)	1-15/16 (49)	1-15/16 (49)
Grille Dim: Width	Inch (mm)	27-9/16 (700)	27-9/16 (700)	27-9/16 (700)
Grille Dim: Depth	Inch (mm)	27-9/16 (700)	27-9/16 (700)	27-9/16 (700)
Lineset Size	Inch	suc 3/8	dis 1/4	suc 3/8
				dis 1/4
				suc 1/2
				dis 1/4

* Compact Cassette Grille RXCCGF sold separately. Must order one with each compact cassette.

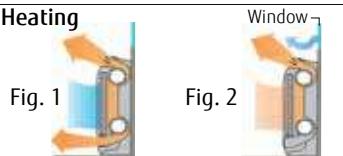
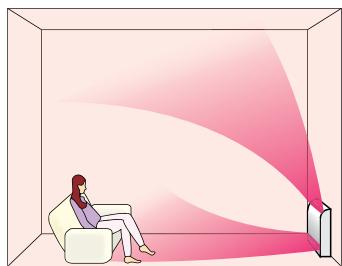
9, 12, 15,000 BTU/HR FLOOR MOUNT

MULTI-ZONE INDOOR

¹Available with optional wired remote control.²Available only with optional Interface kit. Operation monitoring and On / Off control only.

2-FAN AND WIDE AIRFLOW

Having both upper and lower airflow quickly warms or cools the entire room. Floor mount can be set in "Upward Airflow Only" when occupants wish not to have feet warmed or cooled.

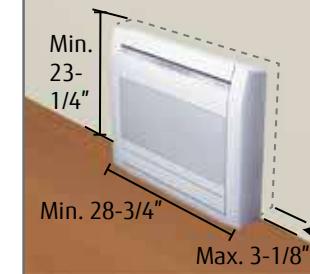


1. Upon startup, both top and bottom louvers open.

2. As the room temperature nears the setpoint, only the top louver stays open to help prevent cold air from falling.

1. Upon startup, both top and bottom louvers open.

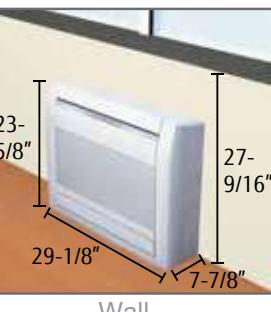
2. Closer to setpoint, only the top louver stays open to help prevent cold drafts from windows.



*Field supplied insulation required

FLEXIBLE AND EASY INSTALLATION

Beneath standard window



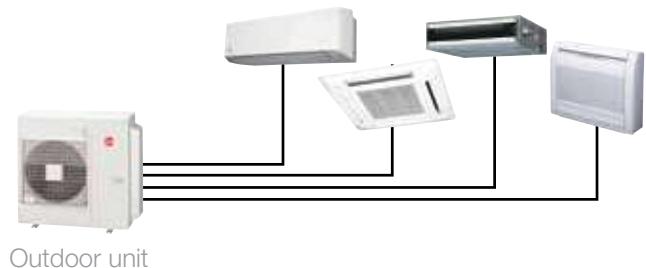
Standard concave portion



Half concealed*

	RIFH09AVFJ	RIFH12AVFJ	RIFH15AVFJ				
Performance							
Nominal Cooling	BTU/HR	9,000	12,000				
Nominal Heating	BTU/HR	12,000	16,000				
Fan							
Air Circulation: Hi	CFM (m3/h)	312 (530)	353 (600)				
Air Circulation: Medium	CFM (m3/h)	259 (440)	288 (490)				
Air Circulation: Low	CFM (m3/h)	212 (360)	224 (380)				
Quiet	CFM (m3/h)	159 (270)	159 (270)				
Fan Speed Stage		4+Auto	4+Auto				
Sound							
Indoor Sound Level (Clg/Htg): Hi	dB(A)	39/39	42/42				
Indoor Sound Level (Clg/Htg): Medium	dB(A)	34/34	36/38				
Indoor Sound Level (Clg/Htg): Low	dB(A)	28/28	30/32				
Quiet	dB(A)	22/22	22/22				
Electrical							
Voltage / Frequency / Phase		208-230/60/1	208-230/60/1				
Current Rated: Cooling	Amps	0.15	0.18				
Current Rated: Heating	Amps	0.15	0.18				
Power Use Rated: Cooling	(kw)	16	18				
Power Use Rated: Heating	(kw)	16	18				
Size & Weight							
Net Weight	Ibs. (kg)	31 (14)	31 (14)				
Height	Inch	23-5/8"	23-5/8"				
	mm	600	600				
Width	Inch	29-1/8"	29-1/8"				
	mm	740	740				
Depth	Inch	7-7/8"	7-7/8"				
	mm	200	200				
Refrigerant							
	R410A	R410A	R410A				
Additional Data							
Air Direction: Horizontal		Manual	Manual				
Air Direction: Vertical		Auto	Auto				
Apple Catechin Filter		Washable	Washable				
Ion Deodorizing Filter		Yes	Yes				
Connection Method		Yes	Yes				
Lineset Size	Inch	Suc. 3/8	Dis. 1/4	Suc. 3/8	Dis. 1/4	Suc. 1/2	Dis. 1/4

18, 24, 36, 45,000 BTU/HR MULTI-ZONE OUTDOOR UNITS



Outdoor unit

Contractors can select either an 18, 24, 36 or 45,000 BTU/HR outdoor unit combined with wall mounted, slim duct, compact cassette or floor mount type indoor units. Mix-and-match flexibility of evaporator type and capacity allows you to choose the indoor unit that best fits the application, whether it be hidden or showcased. These systems are ideal for nursing homes, doctor's offices, condominiums, apartments and residences - any place where individual cooling or heating is needed.

DC TWIN ROTARY COMPRESSOR

A high performance, low noise, large capacity DC twin rotary compressor is used.



NOMINAL CAPACITIES, SEER AND HSPF RATINGS

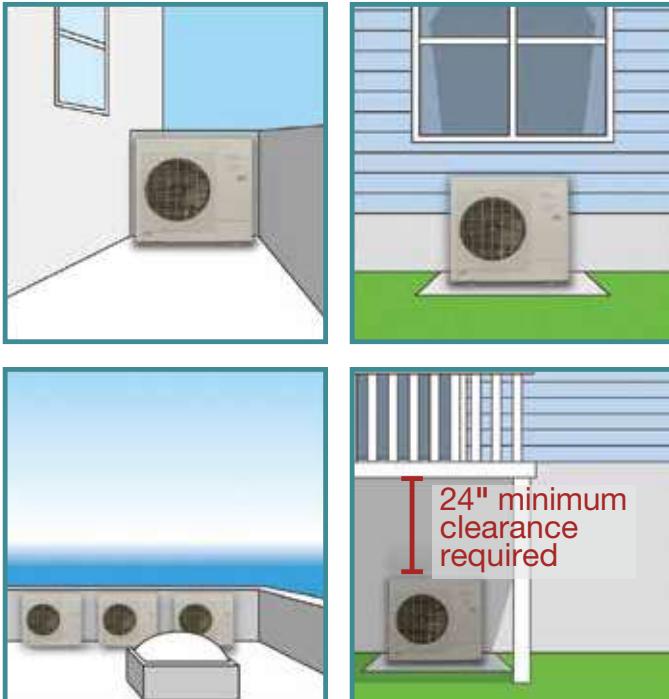
Data below is based on AHRI 210/240 non-ducted wall mounted models. Yellow rows represent systems that are ENERGY STAR® qualified.

Model	Indoor Unit		EER	SEER	Heating Rated Capacity BTU/HR		Heating Maximum Capacity BTU/HR		COP	HSPF	
	Type	Combination			95°F	47°F	17°F	17°F			
	Non-Ducted	9+9	18,000	12.5	18.0	22,000	13,900	16,300	13,900	3.44	9.3
ROMH 18AFXZJ	Ducted	9+9	18,000	12.1	16.0	22,000	13,900	16,300	13,900	3.52	9.0
	Mixed	9+9	18,000	12.3	17.0	22,000	13,900	16,300	13,900	3.48	9.2
	Specific	RIWH07+RIWH12 & RIWH09+RIWH12	18,000	12.5	18.0	22,000	13,900	16,300	13,900	3.67	9.0
	Non-Ducted	9+7+7	22,000	12.5	18.0	24,000	14,100	19,800	16,300	4.04	9.5
ROMH 24AFXZJ	Ducted	9+7+7	22,000	10.6	15.5	24,000	14,100	19,800	16,300	3.42	9.0
	Mixed	9+7+7	22,000	11.6	16.8	24,000	14,100	19,800	16,300	3.74	9.3
	Non-Ducted	9+9+9+9	35,200	10.0	18.0	24,000	22,000	32,500	25,400	3.56	9.4
ROMH 36AFXZJ	Ducted	9+9+9+9	35,200	9.0	16.0	24,000	22,000	32,500	25,400	3.32	8.7
	Mixed	9+9+9+9	35,200	9.5	17.0	24,000	22,000	32,500	25,400	3.44	9.1
	Non-Ducted	9+9+9+9+9	45,000	10.5	19.7	48,000	28,200	36,900	31,500	3.60	10.3
ROMH 45AFXZJ	Ducted	9+9+9+9+9	45,000	9.8	17.7	46,000	27,800	36,900	31,500	3.46	9.3
	Mixed	9+9+9+9+9	45,000	10.2	18.7	47,000	28,000	36,900	31,500	3.53	9.8



COMPACT SIZE

The compact size of the outdoor units allows for many installation opportunities.



ROMH18AFXZJ, ROMH24AFXZJ, ROMH36AFXZJ, ROMH45AFXZJ

ROMH18AFXZJ RIWH09+RIWH09	ROMH24AFXZJ RIWH09+ RIWH07+RIWH07	ROMH36AFXZJ RIWH09 x 4	ROMH45AFXZJ RIWH09 x 5		
Performance					
Connectable Indoor Units	2	2 to 3	2* to 4		
Connectable Unit Capacity Class	BTU/HR	14 to 21,000 ¹	14 to 27,000 ¹		
Rated Capacity Cooling / Heating	BTU/HR	18,000 / 22,000	22,000 / 24,000		
Cooling Operating Range	°F (°C)	14~115 (-10~46)	14~115 (-10~46)		
Heating Operating Range	°F (°C)	5~75 (-15~24)	5~75 (-15~24)		
Electrical					
Rated Input Power Clg/Htg	kW	1.44/1.87	1.76/1.73		
Voltage / Frequency / Phase		208-230/60/1	208-230/60/1		
Maximum Total Current	Amps	10.0	13.7		
Minimum Circuit Ampacity	Amps	12.1	16.7		
Maximum Circuit Breaker	Amps	15	20		
Fan: Type x Quantity		Propeller x 1	Propeller x 1		
Sound Pressure Level Cooling	dB(A)	49	51		
Sound Pressure Level Heating	dB(A)	49	52		
Lineset Requirements					
Minimum Lineset Length Each	ft(m)	16 (5)	16 (5)		
Maximum Lineset Length Each	ft(m)	82 (25)	82 (25)		
Minimum Lineset Length Total	ft(m)	49 (15)	49 (15)		
Maximum Lineset Length Total	ft(m)	164 (50)	164 (50)		
Pre-Charge Length Total	ft(m)	98 (30)	98 (30)		
Maximum Lineset Height Difference Btwn Outdoor Unit & Furthest Indoor Unit	ft(m)	49 (15)	49 (15)		
Maximum Lineset Height Difference Btwn Indoor Units	ft(m)	33 (10)	33 (10)		
Lineset Diameter	Inch	Liq. 1/4 x 2 Suc. 3/8 x 2	Liq. 1/4 x 3 Suc. 1/2 x 1, 3/8 x 2	Liq. 1/4 x 4 Suc. 1/2 x 1, 3/8 x 3	Liq. 1/4 x 5 Suc. 1/2 x 2, 3/8 x 3
Size & Weight					
Net Weight	lbs. (kg)	119 (54)	124 (56)		
Height	Inch	27-9/16	27-9/16		
	mm	700	700		
Width	Inch	35-7/16	35-7/16		
	mm	900	900		
Depth	Inch	13	13		
	mm	330	330		
Refrigerant		R410A	R410A	R410A	R410A

¹18+18 is the only 2 indoor unit (RIWH, RIDH or RICH) combination and requires K9FZ1818

²See table for allowed combinations within this connectable capacity range.

ALLOWABLE COMBINATIONS

Select either an 18, 24, 36 or 45 outdoor unit combined with wall mounted, slim duct, compact cassette or floor mount type indoor units. Mix-and-match flexibility of evaporator type and capacity allows you to choose the indoor unit that best fits the application, whether it be hidden or showcased.

BTU/HR Capacity		7,000	9,000	12,000	15,000	18,000	24,000	= Allowed "Connectable Capacity" combinations between 100 and 130%	
ROMH18AFXZJ									
2 INDOOR UNITS	7 7	14	7 7	9 9	9 9	32	7 7	9 9	12 12
	7 9	16	7 9	12	12	35	7 7	9 15	15 15
	7 12	19	7 12	12	12	38	7 7	12 12	18 18
	9 9	18	7 9	9 9	9 9	34	7 7	9 12	15 15
	9 12	21	7 9	9 12	12	37	7 7	9 18	18 18
ROMH24AFXZJ		7 7	-	14	9 9	9 9	36	7 7	9 24
	7 9	-	16	9 9	9 12	39	7 7	9 24	24 24
	7 12	-	19	7 12	12	39	7 7	12 15	15 15
	7 15	22	7 18	18	25	36	7 7	12 18	18 18
	7 18	25	9 9	-	18	36	7 7	12 24	24 24
	9 9	21	9 12	12	21	39	7 7	12 15	15 15
	9 15	24	9 18	18	27	42	7 7	12 24	24 24
	12 12	24	12 15	15	27	48	7 7	12 24	24 24
3 INDOOR UNITS MAX	7 7 7	21	7 7 9	23	7 7 12	26	7 7 24	38	7 9 18
	7 7 12	27	7 9 9	25	7 9 9	27	7 9 24	40	7 12 18
	7 9 9	27	7 9 9	27	7 12 24	43	7 9 24	43	7 15 15
	7 12 12	24	12 15	15	27	48	7 15 18	40	7 18 18
	12 15	27	7 7	7	21	50	7 18 18	47	7 24 24
	7 7	9	23	7 7	12	26	7 24	53	7 15 18
	7 7	12	26	7 9	9	25	7 15 18	50	7 18 18
ROMH45AFXZJ		18 18	36	12 24	36	15 24	39	18 24	42
	15 24	36	18 24	39	24 24	42	24 24	48	24 24
	18 24	42	24 24	48	24 24	48	24 24	48	24 24
	24 24	48	24 24	48	24 24	48	24 24	48	24 24
2 INDOOR UNITS	7 7 24	38	7 9 18	34	7 9 24	40	7 12 18	37	7 18 18
	7 9 24	34	7 9 24	40	7 12 24	43	7 15 15	43	7 24 24
	7 12 18	37	7 12 24	43	7 15 15	44	7 15 18	47	7 24 24
	7 15 15	43	7 15 18	40	7 18 18	47	7 18 18	53	7 24 24
	7 15 18	40	7 15 18	47	7 18 18	53	7 18 18	53	7 24 24
	7 18 18	47	7 18 18	53	7 18 18	53	7 18 18	53	7 24 24
ROMH36AFXZJ		18* 18*	36	9 9 18	36	9 9 24	42	9 9 15	46
	7 7 15	-	29	9 12 15	36	9 12 18	36	9 15 15	46
	7 7 18	-	32	9 12 18	36	9 12 24	45	9 15 18	49
	7 7 24	38	9 12 18	39	9 15 15	36	9 18 18	52	9 18 18
	7 9 12	-	28	9 12 18	39	9 15 18	45	9 18 18	52
	7 9 15	-	31	9 12 18	39	9 15 18	45	9 18 18	52
	7 9 18	34	9 12 18	42	9 15 18	42	9 18 18	48	9 18 18
	7 12 12	-	31	9 12 18	42	9 15 24	48	9 18 18	48
	7 12 15	34	9 12 18	42	9 15 24	48	9 18 18	48	9 18 18
	7 12 18	37	9 12 18	42	9 18 24	49	9 18 24	52	9 18 24
3 INDOOR UNITS MAX	9 9 9	-	27	9 12 12	36	9 12 12	36	9 12 12	44
	9 9 12	-	30	9 12 12	36	9 12 15	42	9 12 15	47
	9 9 15	33	9 12 12	39	9 12 15	42	9 12 18	49	9 18 18
	9 9 18	36	9 12 12	42	9 12 15	42	9 12 18	49	9 18 18
	9 12 12	33	9 12 15	42	9 12 18	45	9 12 18	49	9 18 18
	9 12 15	36	9 12 15	42	9 12 24	51	9 12 24	51	9 18 18
	9 12 18	39	9 12 18	48	9 12 24	51	9 12 24	51	9 18 18
	12 12 12	36	12 12 12	54	12 15 15	45	12 15 15	45	12 15 15
	12 12 15	39	12 12 12	54	12 15 18	45	12 15 18	48	12 15 18
	12 12 18	39	12 12 18	54	12 18 24	51	12 18 24	54	12 18 24
	12 12 15	39	12 12 18	54	12 18 24	51	12 18 24	54	12 18 24
	7 7 7	28	15 15 18	48	15 15 18	48	15 15 18	51	15 15 18
	7 7 7	30	15 15 24	54	15 15 24	54	15 15 24	54	15 15 24
	7 7 7	33	15 18 18	51	15 18 18	51	15 18 18	54	15 18 18
	7 7 7	36	15 18 18	51	15 18 18	54	15 18 18	54	15 18 18
	7 7 7	39	18 18 18	54	18 18 18	54	18 18 18	54	18 18 18

*The optional kit "K9FZ1818 (UTP-MU36A2)" is necessary for dual zone system "18+18" with ROMH36AFXZJ only. ^ Wall mounted type RIWH18AVFJ cannot be connected in this combination. "—" represents available circuit for future expansion when connecting this combination.

CONTROLS

Wired Remote Control

RXRNUM
RXRNBYU
3-Wire

Wired Remote Control

RXRVNUM
Group Control
3-Wire

Features a large backlit LCD display and displays the room temperature. Provides full feature access to property managers, building owners, and facility maintenance, as well as providing basic comfort features to tenants, employees, and teachers.

Remote Sensor

RXXSZX

Wall mounted room temperature sensor for slim duct models. Replaces room temperature sensor in the return when installed while still allowing for temperature correction.

Wired Remote (Touch Panel)

RXRNRUZ2
2-Wire

Features a large backlit LCD display and displays the room temperature. Provides full feature access to property managers, building owners, and facility maintenance, as well as providing basic comfort features to tenants, employees, and teachers. (Compatible with System 30AHXHJ)

Central Controller

RXDMMUM
3-Wire

This remote controls up to 8 individual indoor units. Set temperatures on timers to best meet individuals needs. Includes a large backlit LCD and 4-way navigation pad. Remote connects in daisy chain to branch boxes.

Receiver Unit

RXLRHUM
UXLRHUM
3-Wire

For slim duct models. Includes a wireless remote control.

Simple Remote Control

RXRSNUM
Group Control
3-Wire

Suitable when only basic operations are required for hotels, offices and other places where there is frequent arrival and departure of occupants. Remote does not allow any timer settings.

Wireless Remote Control

RXLNNUH

For spaces where there is just no place to mount the wired remote or where wireless operation is preferred.

Group Control
3-Wire

Group Control: With this feature, multiple evaporators can be 'daisy-chained' together on one single remote control, allowing for multiple single-zoned systems installed in an application to be grouped together by evaporator. The same feature can be used on a multi-zone system however, multiple multi-zone systems cannot be grouped together nor can a single-zone system be group controlled with a multi-zone system.

Group Control
3-Wire

Group Control
3-Wire

INTERFACE KITS

<p>Dry Contact Wire Kit* RXXWZX / RXXWZXZ5</p>  <p>Turns system on or off using a normally open circuit. For example in home automation, BMS integration of only On / Off operation, occupancy sensor, key card switch, or lead-lag control of other heating / cooling devices.</p>	<p>Interface Kit RXXCBXZ2</p>  <p>Required to connect RIWH07, 09, and 12AVFJ to Wired Remotes RXRNNUM and RXRVNUM, Dry Contact Wire Kit RXXWZX, and Simple Remote Control RXRSNUM.</p>	<p>Interface Kit RXTWBXF1</p>  <p>Required to connect the 09, 12, 15AHWJ / AHHJ to Wired Remotes RXRNNUM and RXRVNUM, Dry Contact Wire Kit RXXWZXZ5, and Simple Remote Control RXRSNUM.</p>
<p>Slim Duct Connector Kit RXECS5A</p>  <p>Comes with 5 sets of wires. Can be used to turn unit on / off, wire in float switch, AUX heater, turn on an external device (Fan), or show if the unit is running.</p>	<p>Outdoor Unit Input / Output Connector RXXWZXZ3</p>  <p>Gives the ability to limit the noise of the unit*, stop the outdoor unit, limit power consumption*, control the operating mode (Htg/Clg), or use output status to see if the compressor is running. You will need to order a kit for each option.</p>	<p>Interface Kit RXXCSXZ1</p>  <p>Required to connect RIWH30AVFJ to Dry Contact Wire Kit RXXWZXZ3, and Lead Lag Control function^.</p>
<p>Interface Kit Box RXGXXB</p>  <p>Used to conceal Interface Kit RXXCSXZ1.</p>	<p>* Will reduce capacity. ^ Wired remotes cannot be used when using this feature. This includes RXRNRUZ2, RXRVNUM, RXRNNUM, RXRSNUM.</p>	

FRESH AIR INTAKE KITS

High Humidity Insulation Kit RXKXGC	Air Outlet Shutter Plate RXYDZB	Fresh Air Intake Kit RXVXAA
Additional insulation for compact cassette units, which may be needed when they are installed in high humidity areas.	In a 3-way air flow configuration an Air Outlet Shutter Plate kit is required to block air flow of 1 louver.	Mixes room air then passes it through a heat exchanger. Allows for a 4-inch flex duct connection. Requires a field supplied duct booster fan capable of 60 CFM at .2" W.C. or 90 CFM at .4" W.C. For fan static pressure requirements, see installation manual.

MISCELLANEOUS

<p>3-Pole Single Throw Safety Switch RXK3PST</p> <p>For use where code requires a disconnect at the indoor unit.</p> 	<p>R410A Swivel Adapter RXK9R410A55</p> <p>In order to minimize incorrect charging of systems with R22 Rheem uses a different access port. Contractors will need this 55-degree swivel access fitting.</p> 
<p>18+18 Combo Fittings Kit RXK9FZ1818</p>  <p>Allows two 18,000 BTU indoor units to be used on an outdoor ROMH36AFXZJ. Requires special piping; limited to only 18,000 BTU models. Total BTU capacity is limited to 31,600 BTU in cooling. The kit upsizes linesets to 3/8" and 1/2".</p>	<p>Auto Louver Grille Kit</p> <p>RXGXSA-W (for RIDH07/09/12) RXGXSB-W (for RIDH18) RXGXSC-W (for RIDH24)</p> <p>Auto Louver provides comfortable airflow and blends in with various interiors. Grille can be connected either directly to indoor unit or through the rectangular duct.</p> 

ACCESSORY COMPATIBILITY

1 If using RXRNBYU with these models you need to change the dip switch SW-1 to "ON".

2 Wall mounted RIWH9, 12, and 15AHW / AHHJ require accessory interface kit #RXTWBXF1 in order to connect these devices to them.

2 Wall mounted RIWH11, 12, and 13AFW17 All require accessory interface kit #RX-BX1WBXX1 in order to connect these devices to them.
3 Wall mounted RIWH7, 9, and 12AVFJ require accessory interface kit #RX-XCXBZ2X in order to connect these devices to them.

3 Wall-mounted RRU111, 3, and 1ZAVU3 require accessory interface kit #KA-XRZABE in order to connect.

LINE SET SIZES AND LENGTHS

	SINGLE-ZONE SYSTEMS																													
	09AVSA	09AFFJ	09AFFHJ	09AFWJ	09AHWJ	09AHJJ	12AVSA	12AFFJ	12AFFHJ	12AFWJ	12AHWJ	12AHJJ	15AFFJ	15AFFHJ	15AHWJ	15AHJJ	18ASJ	18AXFWJ	18AHXHJ	24AXFWJ	24AHXHJ	24ASJ	30AXJ	36AXJ	RIDH09LA	RIDH12LA	RIDH18LA	09AFCJ	12AFCJ	18AFCJ
1/4" x 3/8"	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
1/4" x 1/2"																														
1/4" x 5/8"																														
3/8" x 1/2"																														
3/8" x 5/8"																		●	●	●	●	●	●	●	●	●	●	●		
Total System																														
Max. Combined Pipe Length ft (m)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	165 (50)	165 (50)	165 (50)	246 (75)	165 (50)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)				
Min. Combined Pipe Length ft (m)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	16 (5)	16 (5)	16 (5)	10 (3)	16 (5)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)				

■ While these systems share indoor units, different line sizes are required.

	MULTI / FLEX ZONE MODELS																									
	RIWH07AVFJ	RIWH09AVFJ	RIWH12AVFJ	RIWH15AVFJ	RIWH18AVFJ	RIWH24AVFJ	RIFH09AVFJ	RIFH12AVFJ	RIFH15AVFJ	RIDH07AVFJ	RIDH12AVFJ	RIDH18AVFJ	RIDH24AVFJ	RICH09AVFJ	RICH12AVFJ	RICH18AVFJ	RIWH18AVFJ x 2*	RIDH18AVFJ x 2*	RICH18AVFJ x 2*	ROMH18AFXZJ	ROMH24AFXZJ	ROMH36AFXZJ	ROMH36AFXZJ (18+18)	ROMH45AFXZJ		
1/4" x 3/8"	●	●	●																							
1/4" x 1/2"				●	●																					
1/4" x 5/8"					●																					
3/8" x 1/2"																										
3/8" x 5/8"																										
Total System																										
Max. Combined Pipe Length ft (m)																		165 (50)	165 (50)	230 (70)	131 (40)	264 (80)				
Min. Combined Pipe Length ft (m)																		49 (15)	49 (15)	66 (20)	49 (15)	49 (15)				
Each Indoor Unit	Minimum and maximum pipe lengths for multi-zone units are found on page 49.																									

*18+18 is the only 2 indoor unit combination allowed for ROMH36AFXZJ and requires kit RXK9FZ1818.

■ While these systems share indoor units, different line sizes are required.

RHEEM® MODEL NOMENCLATURE

Mini-Split Outdoor Unit																									
R	O	S	H	18	A	F	W	J	Revision Series (Option)																
Brand	Product Category	Unit Type	Functions	Capacity BTU/HR	Major System Series	System Type	Type (2)	Voltage																	
R: Rheem	O: Mini-Split Outdoor Unit	S: Single Zone ODU	H: Heat Pump	09 - 9,000 12 - 12,000 15 - 15,000 18 - 18,000 24 - 24,000 30 - 30,000 36 - 36,000 45 - 45,000	A: 1 st Series	V: Inverter X: Extended Line Set H: High Efficiency F: Flex Tech (when followed by a W or Z) C: Compact Cassette or Slim Duct S: Single-Zone	H= High Heating Z= Zone W= Wall Mount only H= High Efficiency F= Flex Tech (when followed by a W or Z) C= Compact Cassette or Slim Duct S= Single-Zone	J: 208/230V/1Ph/60Hz A: 115V/1Ph/60Hz	Blank: None																
R: Rheem	I: Mini-Split Indoor Unit	W: Wall Mount F: Floor Mount D: Slim Duct C: Compact Cassette	H: Heat Pump	07 - 7,000 09 - 9,000 12 - 12,000 15 - 15,000 18 - 18,000 24 - 24,000 30 - 30,000 36 - 36,000	A: 1 st Series	V: Inverter X: Extended Line Set H: High Efficiency F: Flex Tech (when followed by a W or Z) C: Compact Cassette or Slim Duct S: Single-Zone	H= High Heating Z= Zone W= Wall Mount only H= High Efficiency F= Flex Tech (when followed by a W or Z) C= Compact Cassette or Slim Duct S= Single-Zone	J: 208/230V/1Ph/60Hz A: 115V/1Ph/60Hz	Blank: None																

Mini-Split Indoor Unit

R	I	W	H	12	A	H	W	J	Minor Revision Series (Option)		
Brand	Product Category	Unit Type	Functions	Capacity BTU/HR	Major System Series	System Type	Type (2)	Voltage			
R: Rheem	I: Mini-Split Indoor Unit	W: Wall Mount F: Floor Mount D: Slim Duct C: Compact Cassette	H: Heat Pump	07 - 7,000 09 - 9,000 12 - 12,000 15 - 15,000 18 - 18,000 24 - 24,000 30 - 30,000 36 - 36,000	A: 1 st Series	V: Inverter X: Extended Line Set H: High Efficiency F: Flex Tech (when followed by a W or Z) C: Compact Cassette or Slim Duct S: Single-Zone	H= High Heating Z= Zone W= Wall Mount only H= High Efficiency F= Flex Tech (when followed by a W or Z) C= Compact Cassette or Slim Duct S= Single-Zone	J: 208/230V/1Ph/60Hz A: 115V/1Ph/60Hz	Blank: None		

THINGS TO KNOW WHEN YOU BUY A RHEEM® MINI-SPLIT SYSTEM

COMPLETE MINI-SPLIT SYSTEM LIMITED WARRANTY

Standard Limited Warranty

• 5-Year Parts, 7-Year Compressor Warranty

Standard Limited Warranty Extension:

• The Standard Limited Warranty covering parts and the compressor will be extended to a period of ten (10) years under specific conditions and online registration is



The new degree of comfort.[®]

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