ANY ROOM,

ANY SEASON

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

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

Savings up to 25%* on utility bills

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

Rheem®

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

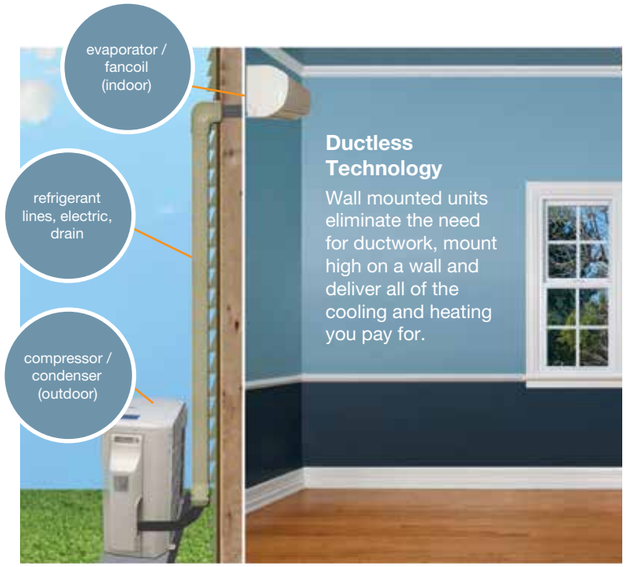
WHAT IS A MINI-SPLIT?

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

MULTI
18, 24, 36, 45,000 BTUs

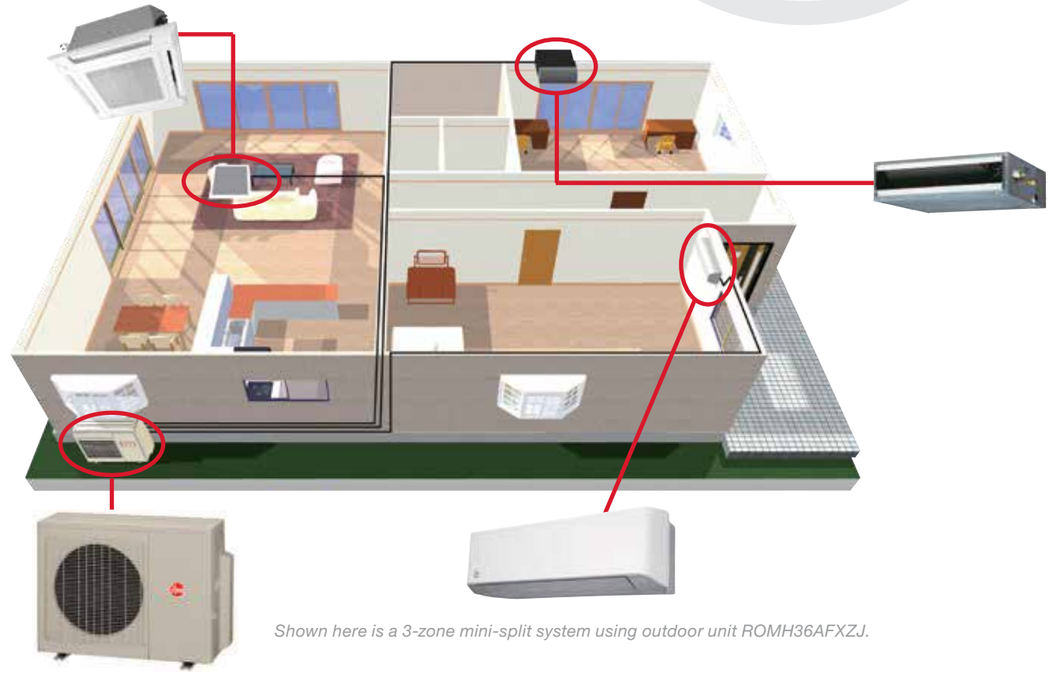
Ductless Heat Pump Mini-Split systems are some of today's most advanced forms of heating and cooling. One outdoor unit can operate up to 5 indoor units, simultaneously providing just the right amount of comfort control to each zone. Rheem systems are super quiet as well as highly energy efficient.

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

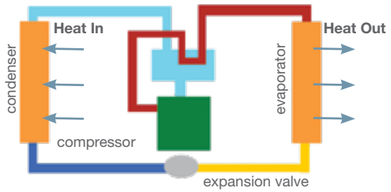
Cassettes are extremely discreet, with only the grille showing in the ceiling. They use the latest fan technology to distribute the conditioned air evenly.

- 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.

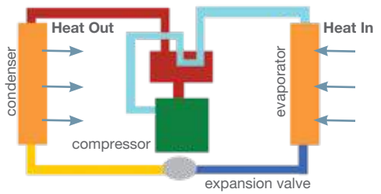
Basic Heating Configuration



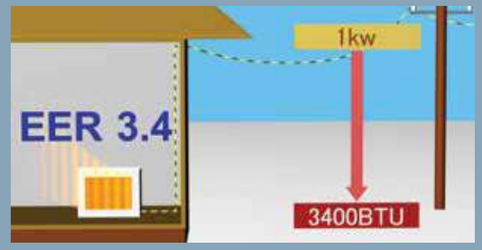
HEAT PUMPS PROVIDE COOLING WHEN IT'S WARM

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

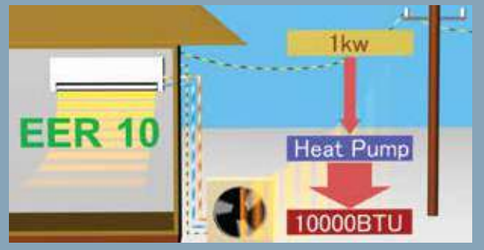
Basic Cooling Configuration



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.



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.

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

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.

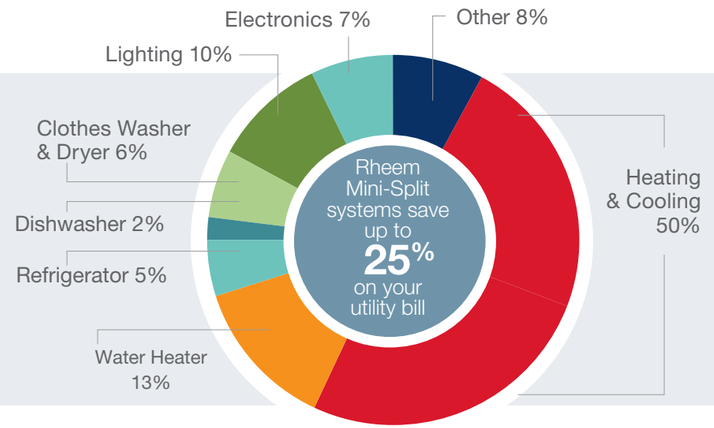
ENERGY EFFICIENT: THE SMART CHOICE IN COMFORT

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:

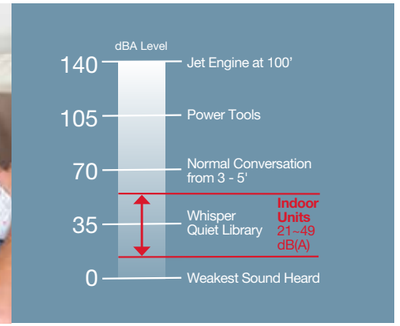
SEER ≥ 15.0 EER ≥ 12.5 HSPF ≥ 8.5

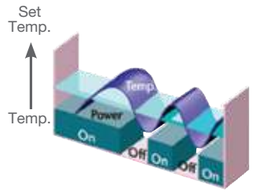
**Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate indoor components to meet ENERGY STAR criteria. Ask your contractor for details or visit EnergyStar.gov.*

COMFORT AND CONVENIENCE

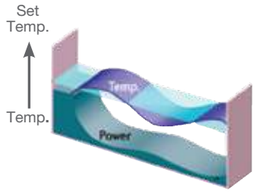
QUIET

Rheem® believes heating and cooling systems should be felt—not heard. Rheem Ductless 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.





Conventional System



Inverter System

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

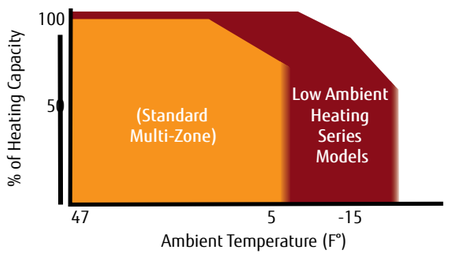
When the temperature drops you don't want to be left in the cold. It's important to choose a heat pump system rated for the climate you live in. If your system doesn't operate in severe conditions you and your family could be left without any heat at all.

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.

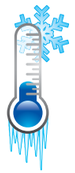
IMPROVED HEATING CAPACITY

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



HIGH PERFORMANCE HEATING

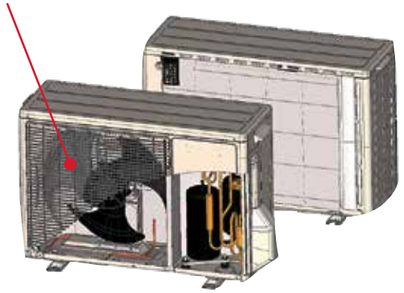
Rheem® low temperature heating operation units feature large heat exchangers and high capacity compressors. This gives our low temperature heating operation heat pumps the ability to extract heat even at very low outdoor temperatures. For example, at an indoor setpoint of 70°F, all AHHJ and AFFHJ models 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.

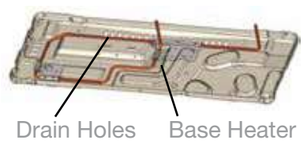
METAL FAN GUARD

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 Saver
Keeps room cool enough for comfort by using a relaxed thermostat setting reducing power consumption.

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.

COMFORT

Auto Changeover (heating to cooling or vice-versa)*
Automatically alternates between heating or cooling if the room temperature falls 4°F below the set temperature when cooling or rises 4°F above set temperature when heating.

Auto Fan Mode
System starts in high fan speed and automatically adjusts downward as room begins to reach set temperature.

Auto Louver: 4 Way
Redirects airflow automatically with up / down and left / right motion.

Auto Louver: Up / Down
Redirects airflow automatically with seven position up and down motion which can be set to auto swing.

Auto Restart
Following a power failure, systems will automatically restart in the same operating mode as before, once power has been restored.

Dry Mode
This mode gives priority to reducing the level of humidity in the room, in conjunction with lowering the temperature.

Fresh Air Intake
Outside air can be introduced by attaching field supplied flexible duct to fresh air knockouts.

Outdoor Unit Low Noise+
Limits compressor and fan speed during high speed operation for noise reduction purposes.

Powerful Operation
20 minutes of continuous operation at maximum airflow and maximum compressor speed. Rapid cooling and heating makes the room comfortable quickly.

Quiet Mode (Indoor Unit)
An extra quiet fan speed to make sure you are not disturbed.

+ 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.

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.

0°F Low Ambient Cooling
Can operate in cooling mode with outdoor temperatures as low as 0°F. Operation outside of factory specification is not recommended.

-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.

SYSTEM FEATURE SUMMARY

| | SINGLE-ZONE HEAT PUMP SYSTEMS | | |

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	48,000
***Prestige*® Series Wall Mount**	14 °F / -5°F RIWH09AHWJ / ROSH09AHWJ	14 °F / -5°F RIWH12AHWJ / ROSH12AHWJ	14 °F / -5°F RIWH15AHWJ / ROSH15AHWJ							
***Prestige* Series Wall Mount Low Temp Htg Op.**	14 °F / -15°F RIWH09AHWJ / ROSH09AHHJ	14 °F / -15°F RIWH12AHWJ / ROSH12AHHJ	14 °F / -5°F RIWH15AHWJ / ROSH15AHHJ	-5°F / -15°F RIWH18AVFJ / ROSH18AHXHJ		-5°F / -15°F RIWH24AVFJ / ROSH24AHXHJ	-5°F / -15°F RIWH30AVFJ / ROSH30AHXHJ			
***Classic Plus*® Series Wall Mount**	14°F / 5°F RIWH09AVFJ / ROSH09AFWJ	14°F / 5°F RIWH12AVFJ / ROSH12AFWJ		-5°F / -5°F RIWH18AVFJ / ROSH18AXFWJ		-5°F / -5°F RIWH24AVFJ / ROSH24AXFWJ				
***Classic*® Series Wall Mount**	15°F / 15°F RIWH09AVSA / ROSH09AVSA	15°F / 15°F RIWH12AVSA / ROSH12AVSA		14°F / 5°F RIWH18ASJ / ROSH18ASJ		14°F / 5°F RIWH24ASJ / ROSH24ASJ	14°F / 5°F RIWH30AXJ / ROSH30AXJ	14°F / 5°F RIWH36AXJ / ROSH36AXJ		
***Prestige* Series Floor Mount**	14°F / -5°F RIFH09AVFJ / ROSH09AFFJ	14°F / -5°F RIFH12AVFJ / ROSH12AFFJ	14°F / -5°F RIFH15AVFJ / ROSH15AFFJ							
***Prestige* Series Floor Mount Low Temp Htg. Op.**	14°F / -15°F RIFH09AVFJ / ROSH09AFFHJ	14°F / -15°F RIFH12AVFJ / ROSH12AFFHJ	14°F / -15°F RIFH15AVFJ / ROSH15AFFHJ							
***Classic* Series Compact Cassette[1]**	14°F / -5°F RICH09AVFJ / ROSH09AFCJ	14°F / -5°F RICH12AVFJ / ROSH12AFCJ		14°F / -5°F RICH18AVFJ / ROSH18AFCJ						
***Classic* Series Slim Duct**	14°F / -5°F RIDH09AVFJ / ROSH09AFCJ	14°F / -5°F RIDH12AVFJ / ROSH12AFCJ		14°F / -5°F RIDH18AVFJ / ROSH18AFCJ						
***Classic* Series Universal Mount / Ceiling Only**				0°F / 14°F RIUH18AXJ / ROSH18VSN		0°F / 14°F RIUH24AXJ / ROSH24VSN		0°F / 14°F RIUH36ASXJ / ROSH36VSN		
***Classic* Series Large Cassette Circular Flow**				-5°F / -5°F RICH18AXCJ / ROSH18VGSN		-5°F / -5°F RICH24AXCJ / ROSH24VGSN	-5°F / -5°F RICH30AXCJ / ROSH30VGSN	-5°F / -5°F RICH36AXCJ / ROSH36VGSN	-5°F / -5°F RICH42AXCJ / ROSH42VGSN	-5°F / -5°F RICH48AXCJ / ROSH48VGSN

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		

MULTI-ZONE DUCTLESS HEAT PUMPS - OUTDOOR UNITS

BTU	18,000 (2 Indoor Units)	24,000 (2 - 3 Indoor Units)	36,000 (2[2] - 4 Indoor Units)	45,000 (2 - 5 Indoor Units)
	14°F / 5°F ROMH18AFXZJ	14°F / 5°F ROMH24AFXZJ	14°F / 5°F ROMH36AFXZJ	14°F / 5°F ROMH45AFXZJ
	14°F / -15°F ROMH18FXZHJ	14°F / -15°F ROMH24FXZHJ	14°F / -15°F ROMH36FXZHJ	

[1]Compact Cassette Grille RXCCGF shown is sold separately and must be ordered with each Compact Cassette model. [2]If ROMH36AFXZJ is paired with two 18,000 BTU indoor units, you have to purchase optional kit Part #K9FZ1818.

SINGLE-ZONE DUCTLESS MINI-SPLIT SYSTEMS

Making the hottest places cool and the coolest places more comfortable

- **Extensive lineup from 9,000 to 48,000 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**
- **26 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

Economy, ESP, Minimum Heat, Auto Changeover, Adjust, 4-Way, Restart, Dry, Low Noise, Powerful, Quiet Mode, 24 Hour, Sleep, Weekly, AF, Cold, 100% @ +5°F, Ion, Sensor[1], I/O 3rd Party[2], Heater[3], 16 Daisy[1]

[1]Available only with optional wired Remote Control and optional interface kit.
[2]Available only with optional interface kit. Operation monitoring and On / Off control only.
[3]Low 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: RXXWZXZ5

SYSTEMS 09AHWJ, 12AHWJ, 15AHWJ | LOW TEMP HEATING SYSTEMS 09AHHJ, 12AHHJ, 15AHHJ

UP TO 33.0 SEER

		09AHWJ	12AHWJ	15AHWJ	09AHHJ	12AHHJ	15AHHJ
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)	Clg 259 (440) Htg 294 (500)	224 (380)	224 (380)	Clg 259 (440) Htg 294 (500)
Fan Speed Stage		4+Auto	4+Auto	4+Auto	4+Auto	4+Auto	4+Auto
Sound							
Indoor Level (Clg/Htg): Hi	dB(A)	42/41	42/41	45/45	42/41	42/41	45/45
Indoor Level (Clg/Htg): Medium	dB(A)	37/35	37/35	40/39	37/35	37/35	40/39
Indoor Level (Clg/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 Clg/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)	31 (14)	86 (39)	31 (14)	86 (39)	31 (14)	88 (40)
Height	Inch	11-5/8	24-7/16	11-5/8	24-7/16	11-5/8	24-7/16	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	295	620	295	620	295	620
Width	Inch	37	31-1/8	37	31-1/8	37	31-1/8	37	31-1/8	37	31-1/8	37	31-1/8
	mm	940	790	940	790	940	790	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	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	270	290	270	290	270	290
Refrigerant		R410A		R410A		R410A		R410A		R410A		R410A	
Additional Data													
Air Direction: Horizontal		Automatic		Automatic		Automatic		Automatic		Automatic		Automatic	
Air Direction: Vertical		Automatic		Automatic		Automatic		Automatic		Automatic		Automatic	
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')		66 (20) (pre-charge: 49')		66 (20) (pre-charge: 49')		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)		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	suc.3/8	dis.1/4	suc.3/8	dis.1/4	suc.1/2	dis.1/4
		Indoor RIWH09AHWJ	Outdoor ROSH09AHWJ	Indoor RIWH12AHWJ	Outdoor ROSH12AHWJ	Indoor RIWH15AHWJ	Outdoor ROSH15AHWJ	Indoor RIWH09AHWJ	Outdoor ROSH09AHHJ	Indoor RIWH12AHWJ	Outdoor ROSH12AHHJ	Indoor RIWH15AHWJ	Outdoor ROSH15AHHJ

* 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 WALL MOUNT HEAT PUMPS

Economy · Minimum Heat · Auto Changeover · Adjust · Up/Down · Restart · Dry · Powerful · Quiet Mode · 24 Hour · Sleep · Weekly[1] · AF

Cold · Ion · Sensor[2] · I/O 3rd Party[3] · 16 Daisy[2]

[1]Available only with optional wired remote control.
[2]Available only with optional wired remote control and optional interface kit.
[3]Available only with optional interface kit. Operation monitoring and On / Off control only.

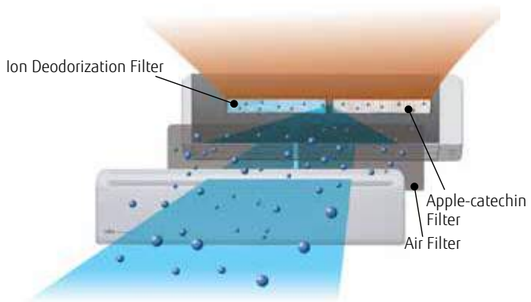
BUILT IN FILTRATION

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.

SYSTEMS
09AFWJ, 12AFWJ

UP TO 23 SEER

		09AFWJ ENERGY STAR		12AFWJ ENERGY STAR	
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 (m3/h)	441 (750)		441 (750)	
Air Circulation: Medium	CFM (m3/h)	376 (640)		376 (640)	
Air Circulation: Low	CFM (m3/h)	282 (480) Clg 306 (520) Htg		282 (480) Clg 306 (520) Htg	
Quiet	CFM (m3/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

Note: Figures are based on 230 Volts.

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

Economy | Minimum Heat | Auto Changeover | Adjust | 4-Way | Restart | Dry | Quiet Mode | 24 Hour[1] | Sleep | Weekly[2] | AF | Cold

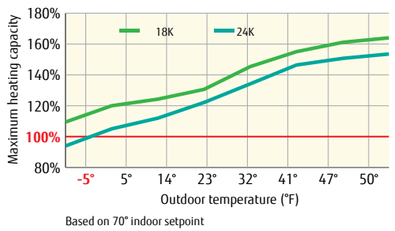
100% @ +5°F | Ion | Sensor[3] | I/O 3rd Party[4] | -5°F Cooling | Heater[5] | Blue Fin | 16 Daisy[3] | 164+ ft Piping

[1]AXFWJ systems only.
[2]AXFWJ systems require optional wired remote control.
[3]Available only with optional wired remote control.
[4]Available only with optional Interface kit. Operation monitoring and On / Off control only.
[5]AHXHJ models only.

HIGH PERFORMANCE HEATING CAPACITY

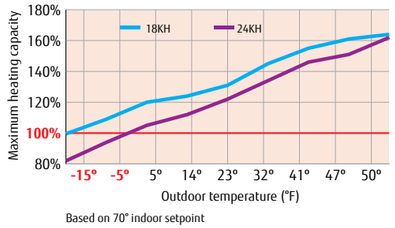
Stay comfortable at low ambient temperatures! The AXFWJ systems can deliver 100% or more of rated heating capacity at 5°F (-15°C) and operates down to -5°F (-21°C).

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



Based on 70° indoor setpoint

AXFWJ



Based on 70° indoor setpoint

AHXHJ

OPTIONAL ACCESSORIES

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

SYSTEMS | LOW TEMP HEATING SYSTEMS
18AXFWJ, 24AXFWJ | 18AHXHJ, 24AHXHJ

UP TO 20 SEER		18AXFWJ	24AXFWJ	18AHXHJ	24AHXHJ
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)	31 (14) / 135 (61)	31 (14) / 135 (61)
Height	Inch	12-5/8 / 32-3/4	12-5/8 / 32-3/4	12-5/8 / 32-3/4	12-5/8 / 32-3/4
	mm	320 / 830	320 / 830	320 / 830	320 / 830
Width	Inch	39-1/4 / 35-3/8	39-1/4 / 35-3/8	39-1/4 / 35-3/8	39-1/4 / 35-3/8
	mm	998 / 900	998 / 900	998 / 900	998 / 900
Depth	Inch	9 / 13	9 / 13	9 / 13	9 / 13
	mm	228 / 330	228 / 330	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)	98 (30)	98 (30)
Lineset Size	Inch	suc.5/8 / dis.3/8	suc.5/8 / dis.3/8	suc.5/8 / dis.3/8	suc.5/8 / dis.3/8
		Indoor RIWH18AVFJ / Outdoor ROSH18AXFWJ	Indoor RIWH24AVFJ / Outdoor ROSH24AXFWJ	Indoor RIWH18AVFJ / Outdoor ROSH18AHXHJ	Indoor RIWH24AVFJ / Outdoor ROSH24AHXHJ

* 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

Economy · ESP · Minimum Heat · Auto Changeover · Adjust · 4-Way · Restart · Dry · Low Noise · Powerful · Quiet Mode · Sleep

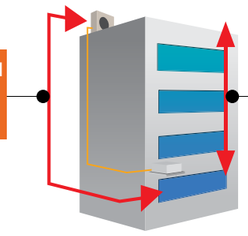
Weekly · AF · Cold · 100% @ +5°F · Ion · Pump Down · Sensor[1] · I/O 3rd Party[2] · -5°F Cooling · Heater · Blue Fin · 16 Daisy[2] · 164+ ft Piping

[1]Available only with optional wired remote control.
[2]Available only with optional Interface kit.

EXTENDED LINESET

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

MAX PIPE LENGTH
System 30AHXHJ
246 ft. (75m)



Max Height Diff.
98 ft.
(30m)

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.

HIGH PERFORMANCE HEATING CAPACITY

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

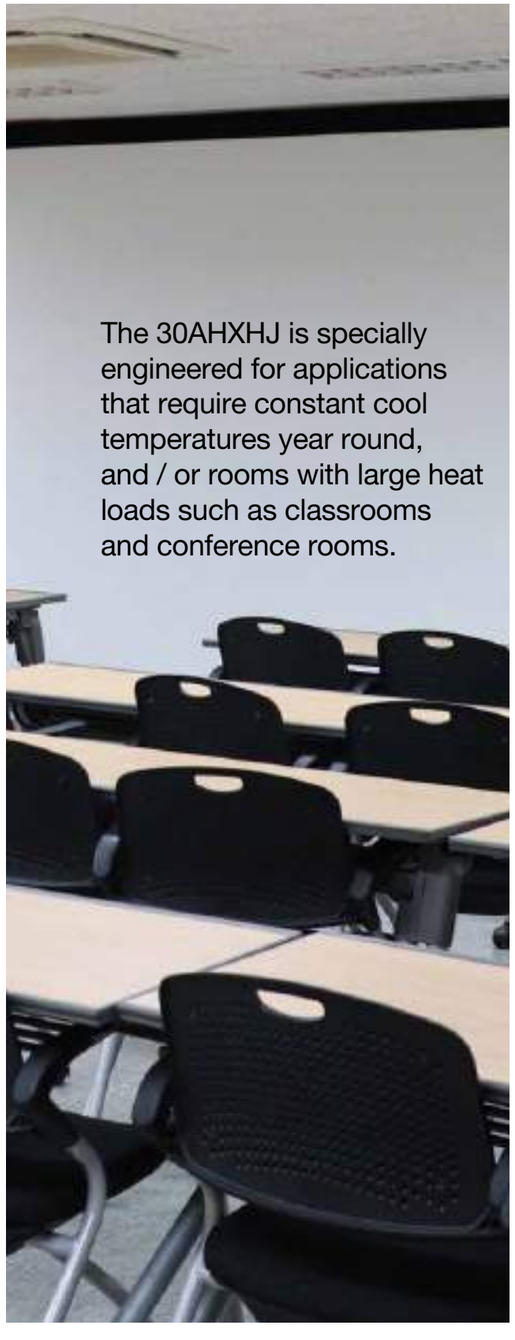
ADDITIONAL APPLICATIONS THAT MAY REQUIRE LOW AMBIENT COOLING

- 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: RXXWZXZ3

LOW TEMP HEATING SYSTEM
30AHXHJ



The 30AHXHJ is specially engineered for applications that require constant cool temperatures year round, and / or rooms with large heat loads such as classrooms and conference rooms.

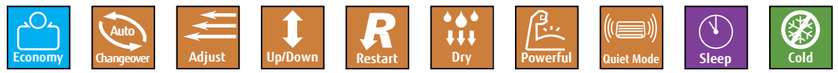
UP TO 18.7 SEER

		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 (m3/h)	812 (1,380)	
Air Circulation: Medium	CFM (m3/h)	665 (1,130)	
Air Circulation: Low	CFM (m3/h)	536 (910)	
Quiet	CFM (m3/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)	98 (30)	
Lineset Size	Inch	suc.5/8	dis.3/8
		Indoor RWH30AVFJ	Outdoor ROSH30AHXHJ

*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



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.

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.

EASY MAINTENANCE

Front panel is easily removed for cleaning.

SYSTEMS
09AVSA, 12AVSA

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 (m3/h)	436 (740)		436 (740)	
Air Circulation: Medium	CFM (m3/h)	353 (600)		353 (600)	
Air Circulation: Low	CFM (m3/h)	265 (450)		265 (450)	
Quiet	CFM (m3/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	Outdoor ROSH12AVSA

Note: Figures are based on 115 Volts.

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

ROSH18ASJ
ROSH24ASJ

ROSH30AXJ
ROSH36AXJ

Economy · Minimum Heat · Auto Changeover · Adjust · 4-Way · Restart · Dry · Quiet Mode · Sleep · Weekly[1] · AF · Cold · Ion

Sensor[1] · I/O 3rd Party[2] · Blue Fin[3] · 16 Daisy[1] · 164+ ft Piping[3]

[1]Available only with optional wired remote control.
[2]Available only with optional Interface kit.
[3]AXJ 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: RXXWZX

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.

SYSTEMS
18ASJ, 24ASJ, 30AXJ, 36AXJ

UP TO 19.0 SEER

		18ASJ (ENERGY STAR)	24ASJ	30AXJ	36AXJ
Performance					
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					
Air Circulation: Hi	CFM (m3/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 (m3/h)	439 (740)	530 (900)	530 (900)	530 (900)
Air Circulation: Low	CFM (m3/h)	365 (620)	436 (740)	436 (740)	436 (740)
Quiet	CFM (m3/h)	306 (520)	365 (620)	365 (620)	365 (620)
Fan Speed Stage		4+Auto	4+Auto	4+Auto	4+Auto
Sound					
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					
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					
Net Weight	lbs. (kg)	31 (14) / 86 (39)	31 (14) / 86 (39)	31 (14) / 134 (61)	31 (14) / 134 (61)
Height	Inch	12-5/8 / 24-7/16	12-5/8 / 24-7/16	12-5/8 / 32-11/16	12-5/8 / 32-11/16
	mm	320 / 620	320 / 620	320 / 830	320 / 830
Width	Inch	39-5/16 / 31-1/8	39-5/16 / 31-1/8	39-5/16 / 35-7/16	39-5/16 / 35-7/16
	mm	998 / 790	998 / 790	998 / 900	998 / 900
Depth	Inch	9 / 11-7/16	9 / 11-7/16	9 / 13	9 / 13
	mm	228 / 290	228 / 290	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 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.1/2 / dis.1/4	suc.5/8 / dis.3/8	suc.5/8 / dis.3/8
		Indoor RIWH18ASJ / Outdoor ROSH18ASJ	Indoor RIWH24ASJ / Outdoor ROSH24ASJ	Indoor RIWH30AXJ / Outdoor ROSH30AXJ	Indoor RIWH36AXJ / Outdoor ROSH36AXJ

Note: Figures are based on 230 Volts.

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

Economy · Minimum Heat · Auto Changeover · Adjust · Up/Down · Restart · Dry · Powerful · Quiet Mode · 24 Hour · Sleep · Weekly[1] · AF · Cold

100% @ +5°F · Ion · Sensor[1] · Heater[2] · 16 Daisy[1]

[1]Available with optional wired remote control.
[2]AFFHJ models only.

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.

BASE PAN HEATER (AFFHJ MODELS)

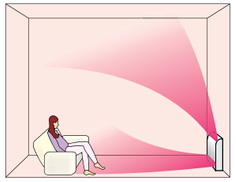
AFFJ models can operate down to -5°F. AFFHJ models can operate down to -15°F. See the full Low Temperature Heating Operation story on page 12.

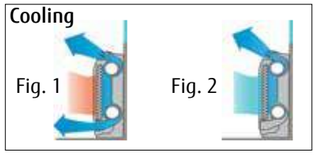
OPTIONAL ACCESSORIES

- Wired Remote Control: RXRVNUM
- Wired Remote Controller: RXRNNUM
- Simple Remote Control: RXRSNUM
- Dry Contact Wire Kit: RXXWZXZ5

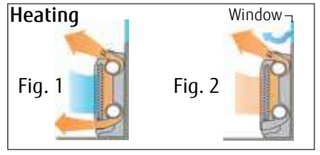
TWO FANS AND WIDE AIRFLOW

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.





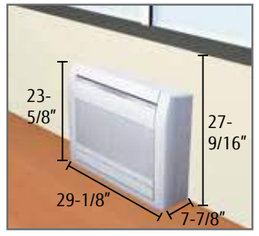
1. Upon startup, both top and bottom louvers open.
2. As the room temperature nears the setpoint, only the top louver stays open to help prevent cold air from falling.



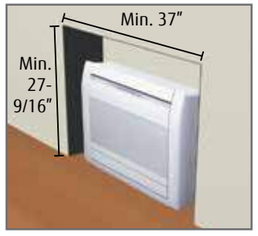
1. Upon startup, both top and bottom louvers open.
2. Closer to setpoint, only the top louver stays open to help prevent cold drafts from windows.

FLEXIBLE AND EASY INSTALLATION

Beneath standard window

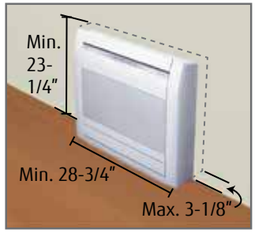


Standard concave portion



Wall

Half concealed*



*Field supplied insulation required

SYSTEMS | LOW TEMP HEATING SYSTEMS

09AFFJ, 12AFFJ, 15AFFJ | 09AFFHJ, 12AFFHJ, 15AFFHJ

UP TO 26 SEER

		09AFFJ	12AFFJ	15AFFJ	09AFFHJ	12AFFHJ	15AFFHJ
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)	31 (14)	86 (39)	31 (14)	86 (39)	31 (14)	88 (40)
Height	Inch	23-5/8	24-7/16	23-5/8	24-7/16	23-5/8	24-7/16	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	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	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	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	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	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’)		66 (20) (pre-charge: 49’)		66 (20) (pre-charge: 49’)		66 (20) (pre-charge: 49’)		66 (20) (pre-charge: 49’)		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	suc.3/8	dis.1/4	suc.3/8	dis.1/4	suc.1/2	dis.1/4
		Indoor RIFH09AVFJ	Outdoor ROSH09AFFJ	Indoor RIFH12AVFJ	Outdoor ROSH12AFFJ	Indoor RIFH15AVFJ	Outdoor ROSH15AFFJ	Indoor RIFH09AVFJ	Outdoor ROSH09AFFJH	Indoor RIFH12AVFJ	Outdoor ROSH12AFFHJ	Indoor RIFH15AVFJ	Outdoor ROSH15AFFHJ

*Based on model # capacity class (e.g. 99AFFJ 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, 12, 18,000 BTU/HR COMPACT CASSETTE HEAT PUMPS

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

Economy | Minimum Heat[1] | Auto Changeover | Adjust | Up/Down | Restart | Dry | Fresh[2] | Quiet Mode | Weekly | Cold | 100% @ +5°F | Ceiling

Sensor | I/O 3rd Party[3] | Pump | 16 Daisy

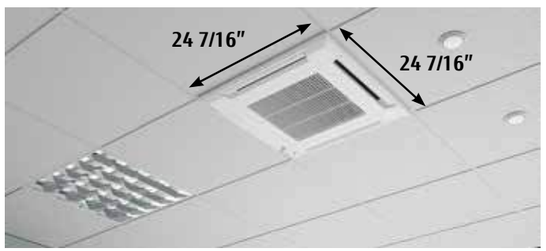
[1]Available only with optional wireless remote control.
[2]Requires Rheem's Optional Fresh Air Kit part #RXVXAA. Allows for a 4-inch flex duct connection. Requires a field supplied duct booster fan capable of 60 CFM at .2" W.C. or 90 CFM at .4" W.C. For fan static pressure requirements, see installation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

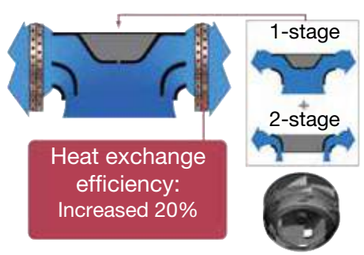
EASY INSTALLATION

Fits into a standard ceiling tile*.



2-STAGE TURBO FAN

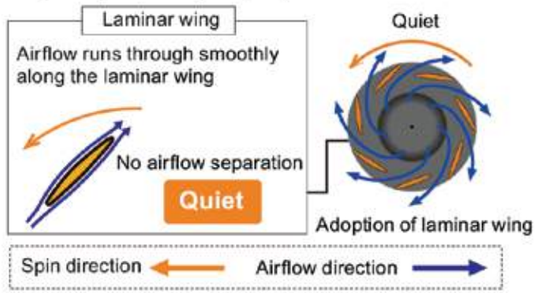
Air distribution is evenly spread across the heat exchanger by the 2-stage turbo fan which produces two separate airflow streams.



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
  Mixes room air which then passes through the heat exchanger.

COMPACT CASSETTE HEAT PUMP SYSTEMS

09AFCJ, 12AFCJ, 18AFCJ

UP TO 24.0 SEER		09AFCJ ENERGY STAR	12AFCJ ENERGY STAR	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	9-11/16 / 1-15/16 / 24-1/2
	mm	245 / 49 / 620	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	22-7/16 / 27-9/16 / 31-3/32
	mm	570 / 700 / 790	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	22-7/16 / 27-9/16 / 11-11/32
	mm	570 / 700 / 290	570 / 700 / 290	570 / 700 / 290
Refrigerant		R410A	R410A	R410A
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 RXCCGFG / Outdoor ROSH09AFCJ	Indoor RICH12AVFJ / Grille RXCCGFG / Outdoor ROSH12AFCJ	Indoor RICH18AVFJ / Grille RXCCGFG / Outdoor ROCH18AFCJ

Note: Figures are based on 230 Volts.

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

Economy · Minimum Heat[1] · Auto Changeover · Adjust · Restart · Dry · Fresh · Quiet Mode · Weekly · Cold · 100% @ +5°F · Sensor · I/O 3rd Party[2] · Pump · 16 Daisy

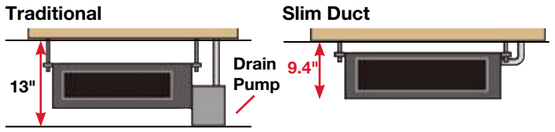
[1]Available only with optional wireless remote control.
[2]Available only with optional Interface kit. Operation monitoring and On / Off control only.

FUNCTION

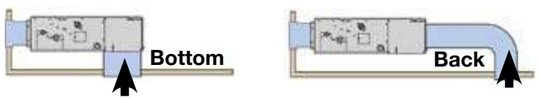
Slim ducts provide cooling or heating for small room applications such as offices, restaurants, convenience stores, motels, dorms, in retrofit and new construction. Long maximum combined piping length of 66' and 49' in height allow for versatile installations. Either horizontal or vertical flexibility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

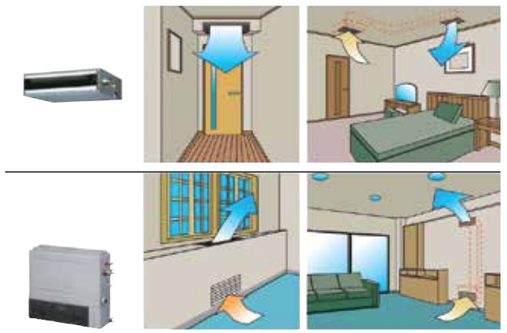


RETURN AIR-INTAKE CHOICES



FLEXIBLE INSTALLATION

Unit can be placed horizontally or vertically. However, internal drain pump will not operate when the unit is mounted in a vertical configuration.



OPTIONAL ACCESSORIES

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

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.

	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
1" Fiberglass Filter			
SP Loss, in. W.C.	0.04	0.05	0.04
Available Static Pressure	0.32	0.31	0.32
1" MERV 8 Pleated Filter			
SP Loss, in. W.C.	0.12	0.14	0.14
Available Static Pressure	0.24	0.22	0.22
2" MERV 8 Pleated Filter			
SP Loss, in. W.C.	0.07	0.08	0.08
Available Static Pressure	0.29	0.28	0.28

SLIM DUCT HEAT PUMP SYSTEMS

09AFCJ, 12AFCJ, 18AFCJ

UP TO 21.5 SEER

		09AFCJ ENERGY STAR	12AFCJ ENERGY STAR	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)	41 (19) / 84 (38)	50 (23) / 86 (39)
Height	Inch	7-25/32 / 5-15/16 / 6 / 24-1/2	7-25/32 / 5-15/16 / 6 / 24-1/2	7-25/32 / 5-15/16 / 6 / 24-1/2
	mm	198 / 151 / 152 / 620	198 / 151 / 152 / 620	198 / 151 / 152 / 620
Width	Inch	27-9/16 / 25-19/32 / 22 / 31-3/32	27-9/16 / 25-19/32 / 22 / 31-3/32	35-7/16 / 33-15/32 / 30 / 31-3/32
	mm	700 / 650 / 559 / 790	700 / 650 / 559 / 790	900 / 850 / 762 / 790
Depth	Inch	24-13/32 / 3/4 / 3/4 Flat / 11-11/32	24-13/32 / 3/4 / 3/4 Flat / 11-11/32	24-13/32 / 3/4 / 3/4 Flat / 11-11/32
	mm	620 / 19 / 19 Flat / 290	620 / 19 / 19 Flat / 290	620 / 19 / 19 Flat / 290
Refrigerant		R410A	R410A	R410A
Additional Data				
Static Pressure in. W. C.		0 ~ 0.36	0 ~ 0.36	0 ~ 0.36
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 RIDH09AVFJ / SUPPLY DUCT FLANGE / RETURN DUCT / Outdoor ROSH09AFCJ	Indoor RIDH12AVFJ / SUPPLY DUCT FLANGE / RETURN DUCT / Outdoor ROSH12AFCJ	Indoor RIDH18AVFJ / SUPPLY DUCT FLANGE / RETURN DUCT / Outdoor ROSH18AFCJ

Note: Figures are based on 230 Volts.

18, 24, 36,000 BTU/HR CEILING & UNIVERSAL HEAT PUMPS

Saving[1] | Auto Changeover | Adjust | 4-Way | Restart | Dry | Fresh[2] | 24 Hour | Sleep | Weekly[1] | Cold | Ceiling | Pump Down | Sensor[1]

0°F Cooling | 16 Daisy | 164+ ft Piping

[1]Available only with optional wired remote control.
[2]Fresh air knockout available. Fresh air fan and ductwork field supplied. See Design and Technical Manual for details.

APPLICATIONS

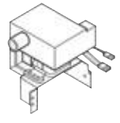
The universal floor/ceiling mount 18AXJ and 24AXJ are ideal for a house of worship to mount beneath stained glass windows. Lower in height than the pews, they do not disturb the aesthetics of the space. With long piping lengths of 165' the outdoor units can also be placed remotely out of sight. Another popular application for this model is in hallways where wall space is limited. The 36ASXJ is popular where fresh air intake and high capacity is required like a restaurant or bar. They are also often suspended from threaded rod and used in multiple to condition large warehouse spaces.

FUNCTION

The 18AXJ and the 24AXJ are universal mount. They can mount low on the wall or transverse mount them on the ceiling. The 36ASXJ can only be mounted on the ceiling, can take in fresh air and can throw air farther.

OPTIONAL ACCESSORIES

- Wired Remote Control RXRNBYU*
  - Weekly Timer
  - Full Function Wired Remote
  - Child Lock Capable
- Condensate Pump RXDPB24T
  - OEM design plug and play
  - Rated for 11.8" of vertical lift
  - Available only for System 36ASXJ



*Requires dip switch change on indoor unit.

SYSTEMS
18AXJ, 24AXJ, 36ASXJ

UP TO 16 SEER		18AXJ	24AXJ	36ASXJ
Performance				
Nominal Cooling	BTUh	17,800	22,200	34,100
Min.-Max. Cooling	BTUh	5,000~21,600	5,000~27,300	8,500~36,000
Nominal Heating	BTUh	21,500	24,000	36,500
Min.-Max. Heating	BTUh	5,000~25,600	5,000~29,000	9,200~42,700
SEER		16.0	15.0	14.0
HSPF		8.5	8.5	8.5
EER		10.9	9.9	8.1
Cooling Operating Range	°F (°C)	0~115 (-18~46)	0~115 (-18~46)	0~115 (-18~46)
Heating Operating Range	°F (°C)	14~75 (-10~24)	14~75 (-10~24)	14~75 (-10~24)
Moisture Removal	Pt./h (l/h)	5.3 (2.5)	7.4 (3.5)	7.4 (3.5)
Fan				
Air Circulation: Hi	CFM (m3/h)	459 (780)	518 (880)	1089 (1850)
Medium	CFM (m3/h)	383 (650)	436 (740)	977 (1660)
Low	CFM (m3/h)	324 (550)	371 (630)	842 (1430)
Fan Speed Stage		3 + Auto	3 + Auto	3 + Auto
Sound				
Indoor Sound Level (Clg/Htg): Hi	dB(A)	43/43 (Clg/Htg)	47/47 (Clg/Htg)	48/48 (Clg/Htg)
Medium	dB(A)	39/39 (Clg/Htg)	43/43 (Clg/Htg)	45/43 (Clg/Htg)
Low	dB(A)	35/35 (Clg/Htg)	38/38 (Clg/Htg)	41/39 (Clg/Htg)
Outdoor Sound Level Clg/Htg	dB(A)	51/53	53/55	54/55
Electrical				
Voltage/Frequency/Phase		208-230/60/1	208-230/60/1	208-230/60/1
Circuit Breaker	Amps	20	20	30
Current Rated/Max: Cooling	Amps	7.1/12.5	9.8/12.5	18.3/18.8
Current Rated/Max: Heating	Amps	9.8/12.5	10.2/12.5	15.3/18.8
Power Use Rated/Max: Cooling	kW	1.63/2.88	2.25/2.88	4.22/4.35
Power Use Rated/Max: Heating	kW	2.25/2.88	2.35/2.88	3.50/4.35
Size & Weight				
Net Weight	lbs. (kg)	62 (28) / 141 (64)	62 (28) / 141 (64)	106 (48) / 141 (64)
Dimensions: Height	Inch	7-7/8 / 32-3/4	7-7/8 / 32-3/4	9-1/2 / 32-3/4
	mm	199 / 830	199 / 830	240 / 830
Width	Inch	39-1/8 / 35-1/2	39-1/8 / 35-1/2	65-1/2 / 35-1/2
	mm	990 / 900	990 / 900	1660 / 900
Depth	Inch	25-7/8 / 13	25-7/8 / 13	27-5/8 / 13
	mm	655 / 330	655 / 330	700 / 330
Refrigerant		R410A	R410A	R410A
Additional Data				
Air Direction: Horizontal		Automatic	Automatic	Automatic
Vertical		Automatic	Automatic	Automatic
Air Filter		Washable	Washable	Washable
Front Grille		Permanent	Permanent	Permanent
Minimum Lineset Length	Ft (m)	16 (5)	16 (5)	16 (5)
Maximum Lineset Length	Ft (m)	165 (50) (pre-charge: 49')	165 (50) (pre-charge: 49')	165 (50) (pre-charge: 49')
Max. Vertical Diff.	Ft (m)	66 (20)	66 (20)	98 (30)
Lineset Size	Inch	suc.1/2 / dis. 1/4	suc.5/8 / dis. 3/8	suc.5/8 / dis. 3/8
		Indoor RIUH18AXJ / Outdoor ROSH18VSN	Indoor RIUH24AXJ / Outdoor ROSH24VSN	Indoor RIUH36ASXJ / Outdoor ROSH36VSN

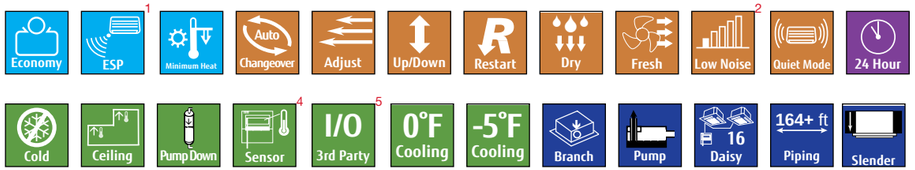
Note: Figures are based on 230 Volts.

18, 24, 30, 36, 42,000 BTUh LARGE CASSETTE CIRCULAR FLOW HEAT PUMPS

RICH30/36/42/48AXCJ with RXGCGF

ROSH18/24/30/36VGSN

ROSH42/48VGSN



[1]Available only with optional part RXSHZXC.
[2]42, 48,000 BTUh systems only.
[3]Available only with optional wireless remote control.
[4]Available only with optional wired remote control.
[5]Available only with optional Interface kit. Operation monitoring and On/Off control

BETTER AIR DISTRIBUTION USING 360-DEGREE LOUVERS

Circular flow design allows conditioned air to reach every corner of a room.

INDIVIDUAL LOUVER CONTROL

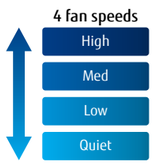
Each louver can be set individually to deliver comfortable air exactly where you want it in any room configuration. To take advantage of this feature use Wired Remote Control (Touch Panel) RXRNRUZ2.

Individual louvers can be programmed separately. Adjust vertical airflow and louver position with RXRNRUZ2 Wired Remote Control.

Airflow fan speed can be customized depending on room layout.

QUIET OPERATION AND 4 FAN SPEED CONTROL

With the new airflow structure, sound levels are drastically reduced. Circular flow cassette models operate at whisper quiet sound levels. Choose from 4 different fan speeds.



24k BTUh model
(Cooling/High)
35dB(A)

*Compatible Remote Controller is as follows:
RXRNRUZ2 / RXRSRY / RXRHRY / RXLBTUC

HIGH ENERGY EFFICIENCY

Energy saving performance is achieved by DC twin rotary compressor, DC fan motor and optimal refrigerant cycle control.

18,000 BTUh and 24,000 BTUh models are Energy Star qualified.

RECOMMENDED ACCESSORIES

NOTE: RGLX Large Cassette grilles are sold separately.

RXGCGF

NOTE: Wired Remote Control sold separately.

ACXJ Large Cassettes are compatible with RXRNRUZ2 2-wire controls.

OPTIONAL ACCESSORIES (cont'd on bottom of page 39)

Wired Remote Control (Touch Panel) RXRNRUZ2
Simple Remote Control..... RXRSRY, RXRHRY
Communication Kit ..... RXXCSX
Communication Kit Bracket ..... RXGXRA
IR Receiver Unit..... RXLBTUC
Human Sensor Kit ..... RXSHZXC
Air Outlet Shutter Plate ..... RXYDZK
External Connect Kit..... RXXWZXZG, RXXWZXZ3
Wide Panel..... RXAKXA-W
Panel Spacer..... RXBKXA-W
Insulation Kit For High Humidity ..... RXKXRA
Fresh Air Intake Kit..... RXKHRS940-25
Thermostat Converter ..... RXTTRX - Control your Fujitsu heating and cooling system with your favorite smart thermostat (not included).

SYSTEMS

18AXCJC, 24AXCJC, 30AXCJC, 36AXCJC, 42AXCJC, 48AXCJC

		18AXCJC	24AXCJC	30AXCJC	36AXCJC	42AXCJC	48AXCJC
Performance							
Nominal Cooling	BTUh	18,000	24,000	30,000	36,000	42,000	48,000
Min.-Max. Cooling	BTUh	5,400—21,500	5,400—29,000	9,600—35,000	9,600—39,000	17,100—45,000	17,100-50,000
Nominal Heating	BTUh	21,000	27,000	32,000	36,000	47,000	53,000
Min.-Max. Heating	BTUh	5,400—25,600	5,400—32,400	9,200—39,000	9,200—48,000	18,000—51,000	18,000-55,000
SEER		21.4	20	18.6	17.5	18.5	17.8
HSPF		10.9	10.8	11.5	11.2	9.7	10.6
EER	Btu/hW	13.4	12.8	11.7	10	11.3	10.1
Cooling Operating Range	°F (°C)	-5 - 115 (-20 - 46)	-5 - 115 (-20 - 46)	-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)	-5 - 75 (-20 - 24)	-5 - 75 (-20 - 24)	-5 - 75 (-20 - 24)	-5 - 75 (-20 - 24)
Moisture Removal	Pt./h (l/h)	3.9 (2.2)	5.1 (2.9)	5.3 (3.0)	6.5 (3.7)	7.7 (4.4)	9.3 (5.3)
Fan							
Air Circulation: Hi	CFM (m3/h)	618 (1,050)	677 (1,150)	942 (1,600)	1,118 (1,900)	1,177 (2,000)	1,236 (2,100)
Medium	CFM (m3/h)	565 (960)	618 (1,050)	824 (1,400)	936 (1,590)	971 (1,650)	1,048 (1,780)
Low	CFM (m3/h)	530 (900)	577 (980)	748 (1,270)	836 (1,420)	859 (1,460)	942 (1,600)
Quiet	CFM (m3/h)	459 (780)	512 (870)	677 (1,150)	695 (1,180)	765 (1,300)	777 (1,320)
Fan Speed Stage		4 + Auto	4 + Auto	4 + Auto	4 + Auto	4 + Auto	4 + Auto
Sound							
Indoor Sound Level (Clg/Htg): Hi	dB(A)	33/33	35/35	40/40	44/44	46/46	47/47
Medium	dB(A)	32/32	34/34	38/38	41/41	42/42	43/43
Low	dB(A)	31/31	32/32	36/36	38/38	39/39	40/40
Quiet	dB(A)	28/28	29/29	33/33	34/34	35/35	36/36
Outdoor Sound Level Clg/Htg	dB(A)	47/50	53/55	53/55	54/56	55/57	57/59
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	20	30	30	30	30	30
Current Rated: Cooling	Amps	6.1	8.4	11.5	16.1	16.7	20.9
Current Rated: Heating	Amps	6.6	9.6	10.7	12.2	16.8	19.5
Power Use Rated/Max: Cooling	kW	1.35/2.05	1.88/2.77	2.57/3.33	3.60/3.94	3.72/4.35	4.75/4.91
Power Use Rated/Max: Heating	kW	1.47/2.27	2.15/2.88	2.38/3.27	2.73/4.19	3.74/4.39	4.49/4.67
Size & Weight							
Net Weight	lbs. (kg)	53 (24) / 134 (61)	53 (24) / 134 (61)	57 (26) / 134 (61)	57 (26) / 134 (61)	64 (29) / 209 (95)	64 (29) / 209 (95)
Dimensions: Height	Inch	9 11/16 / 32 11/16	9 11/16 / 32 11/16	11 5/16 / 32 11/16	11 5/16 / 32 11/16	11 5/16 / 50 13/16	11 5/16 / 50 13/16
	mm	246 / 830	246 / 830	288 / 830	288 / 830	288 / 1290	288 / 1290
Width	Inch	33-1/16 / 35- 7/16	33- 1/16 / 35- 7/16	33- 1/16 / 35- 7/16	33- 1/16 / 35- 7/16	33- 1/16 / 35- 7/16	33- 1/16 / 35- 7/16
	mm	840 / 900	840 / 900	840 / 900	840 / 900	840 / 900	840 / 900
Depth	Inch	33-1/16 / 13	33-1/16 / 13	33-1/16 / 13	33-1/16 / 13	33-1/16 / 13	33-1/16 / 13
	mm	840 / 330	840 / 330	840 / 330	840 / 330	840 / 330	840 / 330
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A
Additional Data							
		White Grille (RXGCGF) or Black Grille (RXLCGVCB) Sold Separately					
Minimum Lineset Length	Ft (m)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)
Maximum Lineset Length	Ft (m)	164 (50) Precharge 66'	164 (50) Precharge 66'	164 (50) Precharge 66'	164 (50) Precharge 66'	246 (75) Precharge 98'	246 (75) Precharge 98'
Max. Vertical Diff.	Ft (m)	98 (30)	98 (30)	98 (30)	98 (30)	98 (30)	98 (30)
Lineset Size	Inch	suc.1/2 / dis.1/4	suc.5/8 / dis.3/8	suc.5/8 / dis.3/8	suc.5/8 / dis.3/8	suc.5/8 / dis.3/8	suc.5/8 / dis.3/8
		Indoor RICH18AXCJ / Outdoor ROSH18VGSN	Indoor RICH24AXCJ / Outdoor ROSH24VGSN	Indoor RICH30AXCJ / Outdoor ROSH30VGSN	Indoor RICH36AXCJ / Outdoor ROSH36VGSN	Indoor RICH42AXCJ / Outdoor ROSH42VGSN	Indoor RICH48AXCJ / Outdoor ROSH48VGSN

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.

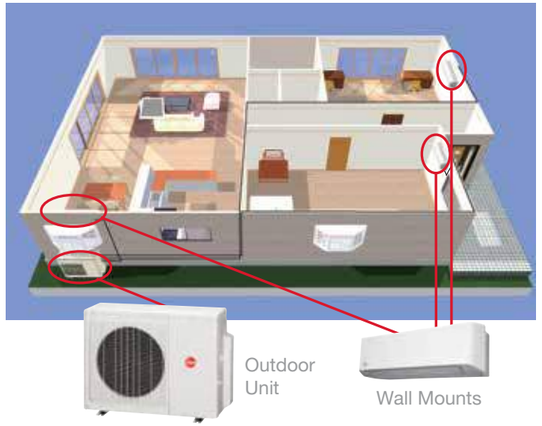
MULTI-ZONE LOW TEMPERATURE HEATING

- Connect 2 to 4 indoor units, depending on model
- Connect 14,000 to 39,000 BTU
- Low Temp Heating down to -15°F outdoor temps
- No branch boxes or separation tubes required

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.

EFFICIENT INSTALLATION EXAMPLE

The load on a 3-bedroom home with a living room and kitchen downstairs and 3 bedrooms upstairs is 39,000 BTUs (21,000 BTU downstairs and 18,000 BTUs upstairs). However, the family isn't upstairs and downstairs at the same time, therefore not all units will be running simultaneously, allowing 100% heating or cooling to occupied spaces. This can be achieved by our ROMH36AFXZJ outdoor unit.

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

MULTI-ZONE INDOOR 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

Economy · Minimum Heat · Auto Changeover[1] · Adjust · 4-Way[2] · Up/Down[3] · Restart · Dry · Quiet Mode · 24 Hour · Sleep · Weekly[4] · AF

Cold · Ion · Sensor[5] · I/O 3rd Party[6] · 16 Daisy

[1]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.

[2]RIWH18,24AVFJ models only.
[3]RIWH07,09,12,12AVFJ models only.
[4]RIWH07,09,12,12AVFJ models: Available only with optional wired remote control.
[5]Available only with optional wired remote control and optional interface kit.
[6]Available only with optional interface kit.

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	24,000
Nominal Heating	BTU/HR	8,100	10,200	13,500	16,300	20,000	27,000
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)	Clg 659 (1,120) Htg 647 (1,100)
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)	Clg 530 (900) Htg 530 (900)
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)	Clg 436 (740) Htg 436 (740)
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)	Clg 365 (620) Htg 365 (620)
Fan Speed Stage		4+auto	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	49/48
Indoor Sound Level (Clg/Htg): Medium	dB(A)	32/32	33/33	36/36	38/38	37/37	42/42
Indoor Sound Level (Clg/Htg): Low	dB(A)	29/29	29/29	30/31	33/35	33/33	37/37
Quiet	dB(A)	21/22	21/22	21/22	25/27	31/31	33/33
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
Current Rated: Cooling	Amps	0.13	0.15	0.19	0.25	0.32	0.53
Current Rated: Heating	Amps	0.13	0.15	0.19	0.25	0.32	0.53
Power Use Rated: Cooling	W	15	17	22	28	41	69
Power Use Rated: Heating	W	15	17	22	28	41	69
Size & Weight							
Net Weight	lbs. (kg)	19 (8.5)	19 (8.5)	19 (8.5)	19 (8.5)	31 (14)	31 (14)
Height	Inch	10-1/2	10-1/2	10-1/2	10-1/2	12-5/8	12-5/8
	mm	268	268	268	268	320	320
Width	Inch	33-1/16	33-1/16	33-1/16	33-1/16	39-1/4	39-1/4
	mm	840	840	840	840	998	998
Depth	Inch	8	8	8	8	9	9
	mm	203	203	203	203	228	228
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A
Additional Data							
Air Direction: Horizontal		Manual	Manual	Manual	Manual	Auto	Auto
Air Direction: Vertical		Auto	Auto	Auto	Auto	Auto	Auto
Primary Air Filter		Washable	Washable	Washable	Washable	Washable	Washable
Ion Deodorizing Filter		Disposable	Disposable	Disposable	Disposable	Disposable	Disposable
Apple Catechin Filter		Disposable	Disposable	Disposable	Disposable	Disposable	Disposable
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.5/8 dis.1/4

The following combinations are ENERGY STAR® qualifying:

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

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

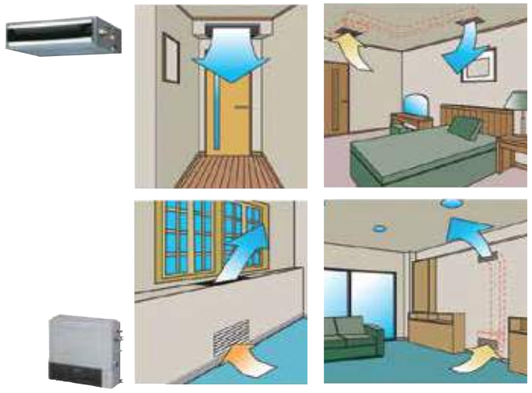
MULTI-ZONE INDOOR

Economy · Minimum Heat[1] · Auto Changeover[2] · Adjust · Restart · Dry · Quiet Mode · 24 Hour[1] · Sleep[1] · Weekly · Cold · Sensor · I/O 3rd Party[3] · Pump · 16 Daisy

[1]Available only with optional wireless remote control.
[2]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.
[3]Availabe only with optional interface kit.

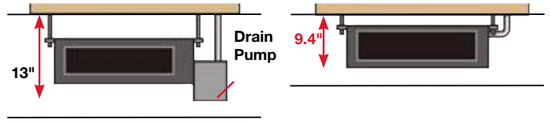
FLEXIBLE INSTALLATION

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



SLIM DUCT

Adaptable when ceiling cavity is small and there is no slope for drain.



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

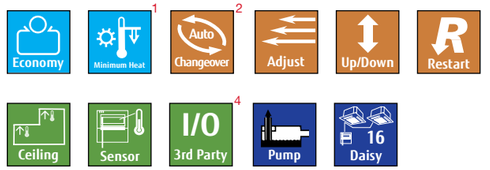
RIDH07AVFJ, RIDH09AVFJ, RIDH12AVFJ, RIDH18AVFJ, RIDH24AVFJ

		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	4 + Auto	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	lbs. (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 Height	Inch	5-15/16	5-15/16	5-15/16	5-15/16	5-15/16
	mm	151	151	151	151	151
Supply Duct Flange Dimensions: Width	Inch	25-19/32	25-19/32	25-19/32	33-15/32	41-11/32
	mm	650	650	650	850	1,050
Supply Duct Flange Dimensions: Depth	Inch	3/4	3/4	3/4	3/4	3/4
	mm	19	19	19	19	19
Return Duct Dimensions: Height	Inch	6	6	6	6	6
	mm	152	152	152	152	152
Return Duct Dimensions: Width	Inch	22	22	22	30	37-3/4
	mm	559	559	559	762	959
Return Duct Dimensions: Depth	Inch	3/4 (Flat)	3/4 (Flat)	3/4 (Flat)	3/4 (Flat)	3/4 (Flat)
	mm	19 (Flat)	19 (Flat)	19 (Flat)	19 (Flat)	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

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



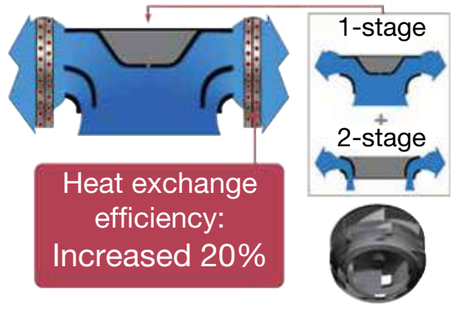
[1]Available only with optional wireless remote control.
[2]Auto Changeover is not designed to provide rapid changes between heating and cooling operation or simultaneous heating and cooling. This feature is not recommended for systems with more than one indoor unit unless all indoor units have similar 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.
[3]Requires 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.
[4]Available only with optional Interface kit. Operation monitoring and On / Off control only.

EASY MAINTENANCE

Maintenance is made simple by removing the ceiling panel next to the grille. Working on the cassette unit from an adjoining ceiling tile keeps disruption and construction costs down.

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.



FRESH AIR KITS

RXVXAA

Mixes room air then passes through the heat exchanger.

RICH07AVFJ, RICH09AVFJ, RICH12AVFJ, RICH18AVFJ

		RICH07AVFJ	RICH09AVFJ	RICH12AVFJ	RICH18AVFJ
Performance					
Nominal Cooling	BTU/HR	7,000	9,000	12,000	18,000
Nominal Heating	BTU/HR	8,100	10,200	13,500	20,000
Fan					
Air Circulation: Hi	CFM (m3/h)	318 (540) Clg or Htg	318 (540) Clg or Htg	359 (610) Clg or Htg	441 (750) Clg 471 (800) Htg
Air Circulation: Medium	CFM (m3/h)	288 (490) Clg or Htg	288 (490) Clg or Htg	312 (530) Clg or Htg	359 (610) Clg 418 (710) Htg
Air Circulation: Low	CFM (m3/h)	259 (440) Clg or Htg	259 (440) Clg or Htg	277 (470) Clg or Htg	306 (520) Clg 353 (600) Htg
Quiet	CFM (m3/h)	230 (390) Clg or Htg	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	4+auto
Sound					
Indoor Sound Level (Clg/Htg): Hi	dB(A)	33/34	33/34	37/37	42/44
Indoor Sound Level (Clg/Htg): Medium	dB(A)	31/32	31/32	33/33	37/40
Indoor Sound Level (Clg/Htg): Low	dB(A)	29/29	29/29	31/31	33/37
Quiet	dB(A)	27/27	27/27	28/28	29/30
Electrical					
Voltage / Frequency / Phase		208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Current Rated: Cooling	Amps	0.15	0.15	0.19	0.30
Current Rated: Heating	Amps	0.15	0.15	0.19	0.30
Power Use Rated / Max: Cooling	(kw)	18	18	23	39
Power Use Rated / Max: Heating	(kw)	18	18	23	39
Size & Weight					
Net Weight	lbs. (kg)	33 (15)	33 (15)	33 (15)	33 (15)
Height	Inch	9-11/16	9-11/16	9-11/16	9-11/16
	mm	245	245	245	245
Width	Inch	22-7/16	22-7/16	22-7/16	22-7/16
	mm	570	570	570	570
Depth	Inch	22-7/16	22-7/16	22-7/16	22-7/16
	mm	570	570	570	570
Refrigerant		R410A	R410A	R410A	R410A
Additional Data					
Air Direction: Vertical		Automatic	Automatic	Automatic	Automatic
Air Filter		Washable	Washable	Washable	Washable
Front Grille		RXXXGFC*	RXXXGFC*	RXXXGFC*	RXXXGFC*
Grille Dim: Height	Inch (mm)	1-15/16 (49)	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)	27-9/16 (700)
Grille Dim: Depth	Inch (mm)	27-9/16 (700)	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.3/8 dis.1/4	suc.1/2 dis.1/4

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

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

MULTI-ZONE INDOOR

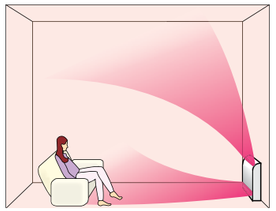
Economy · Minimum Heat · Auto Changeover · Adjust · Up/Down · Restart · Dry · Powerful · Quiet Mode · 24 Hour · Sleep · Weekly[1] · AF · Cold · Ion

Sensor[1] · I/O 3rd Party[2] · 16 Daisy[1]

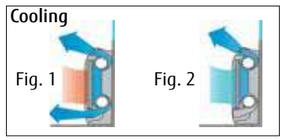
[1]Available with optional wired remote control.
[2]Available only with optional Interface kit. Operation monitoring and On / Off control only.

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.

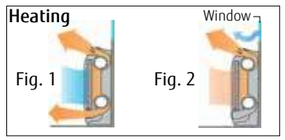


Cooling



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.

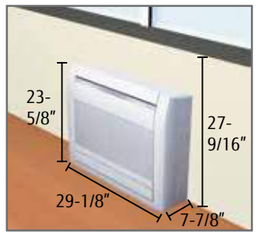
Heating



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.

FLEXIBLE AND EASY INSTALLATION

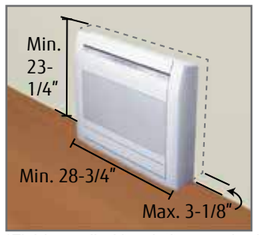
Beneath standard window



Wall

Standard concave portion

Half concealed*

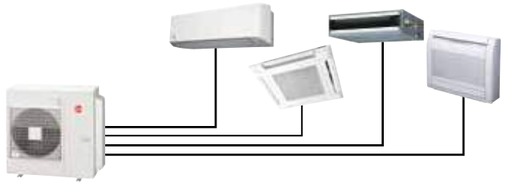


*Field supplied insulation required

RIFH09AVFJ, RIFH12AVFJ, RIFH15AVFJ

		RIFH09AVFJ	RIFH12AVFJ	RIFH15AVFJ
Performance				
Nominal Cooling	BTU/HR	9,000	12,000	14,200
Nominal Heating	BTU/HR	12,000	16,000	18,000
Fan				
Air Circulation: Hi	CFM (m3/h)	312 (530)	353 (600)	383 (650)
Air Circulation: Medium	CFM (m3/h)	259 (440)	288 (490)	306 (520)
Air Circulation: Low	CFM (m3/h)	212 (360)	224 (380)	235 (400)
Quiet	CFM (m3/h)	159 (270)	159 (270)	159 (270)
Fan Speed Stage		4+Auto	4+Auto	4+Auto
Sound				
Indoor Sound Level (Clg/Htg): Hi	dB(A)	39/39	42/42	44/44
Indoor Sound Level (Clg/Htg): Medium	dB(A)	34/34	36/38	38/39
Indoor Sound Level (Clg/Htg): Low	dB(A)	28/28	30/32	31/33
Quiet	dB(A)	22/22	22/22	22/22
Electrical				
Voltage / Frequency / Phase		208-230/60/1	208-230/60/1	208-230/60/1
Current Rated: Cooling	Amps	0.15	0.18	0.20
Current Rated: Heating	Amps	0.15	0.18	0.20
Power Use Rated: Cooling	(kw)	16	18	23
Power Use Rated: Heating	(kw)	16	18	23
Size & Weight				
Net Weight	lbs. (kg)	31 (14)	31 (14)	31 (14)
Height	Inch	23-5/8	23-5/8	23-5/8
	mm	600	600	600
Width	Inch	29-1/8	29-1/8	29-1/8
	mm	740	740	740
Depth	Inch	7-7/8	7-7/8	7-7/8
	mm	200	200	200
Refrigerant		R410A	R410A	R410A
Additional Data				
Air Direction: Horizontal		Manual	Manual	Manual
Air Direction: Vertical		Auto	Auto	Auto
Apple Catechin Filter		Washable	Washable	Washable
Ion Deodorizing Filter		Yes	Yes	Yes
Connection Method		Yes	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



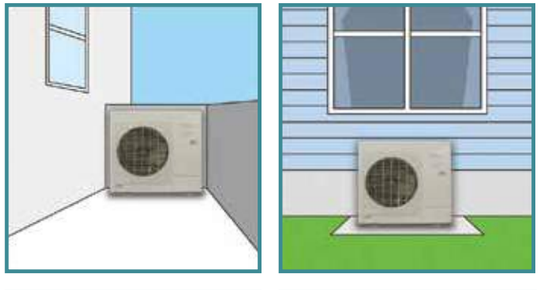
Outdoor unit

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.

ROMH18, 24AFXJ ROMH36AFXZJ ROMH45AFXZJ

COMPACT SIZE

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



DC TWIN ROTARY COMPRESSOR

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

ENERGY STAR® QUALIFYING SYSTEMS:

OUTDOOR UNIT	INDOOR UNIT TYPE		
	Non-ducted	Ducted	Mixed
ROMH18AFXZJ	★	—	—
ROMH24AFXZJ	★	—	—
ROMH36AFXZJ	—	—	—
ROMH45AFXZJ	—	—	—
ROMH18FXZHJ	★	—	—
ROMH24FXZHJ	★	—	—
ROMH36FXZHJ	★	—	—

SERVICE VALVES

ROM18FXZHJ / ROM24FXZHJ

The above units have service valves.

BENEFITS:

- Installation – It allows for a quicker and more productive install.
- Service – Allows for isolation.
- Add Ons – Ease of additional add-ons.

The ROM36FXZHJ does not have this feature.

ROMH18AFXZJ, ROMH24AFXZJ, ROMH36AFXZJ, ROMH45AFXZJ

		ROMH18AFXZJ RIHW09+RIWH099	ROMH24AFXZJ RIWH09+ RIWH07+RIWH07	ROMH36AFXZJ RIWH09 x 4	ROMH45AFXZJ RIWH09 x 5
Performance					
Connectable Indoor Units		2	2 to 3	2[1] to 4	2 to 5
Connectable Unit Capacity Class	BTU/HR	14 to 21,000[2]	14 to 27,000[2]	27 to 39,000[2]	34 to 54,000
Rated Capacity Cooling / Heating	BTU/HR	18,000 / 22,000	22,000 / 24,000	35,200 / 36,400	45,000 / 48,000
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)
Electrical					
Rated Input Power Clg/Htg	kW	1.44/1.87	1.76/1.73	3.52/3.00	4.28/3.88
Voltage / Frequency / Phase		208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Maximum Total Current	Amps	10.0	13.7	20.3	23.8
Minimum Circuit Ampacity	Amps	12.1	16.7	24.6	28.9
Maximum Circuit Breaker	Amps	15	20	30	30
Fan: Type x Quantity		Propeller x 1	Propeller x 1	Propeller x 1	Propeller x 1
Sound Pressure Level Cooling	dB(A)	49	51	53	53
Sound Pressure Level Heating	dB(A)	49	52	55	55
Lineset Requirements					
Minimum Lineset Length Each	ft(m)	16 (5)	16 (5)	16 (5)	16 (5)
Maximum Lineset Length Each	ft(m)	82 (25)	82 (25)	82 (25)	82 (25)
Minimum Lineset Length Total	ft(m)	49 (15)	49 (15)	66 (20)	49 (15)
Maximum Lineset Length Total	ft(m)	164 (50)	164 (50)	230 (70)	264 (80)
Pre-Charge Length Total	ft(m)	98 (30)	98 (30)	164 (50)	164 (50)
Maximum Lineset Height Difference Btwn Outdoor Unit & Furthest Indoor Unit	ft(m)	49 (15)	49 (15)	49 (15)	49 (15)
Maximum Lineset Height Difference Btwn Indoor Units	ft(m)	33 (10)	33 (10)	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)	149 (68)	205 (93)
Height	Inch	27-9/16	27-9/16	32-11/16	39-5/16
	mm	700	700	830	998
Width	Inch	35-7/16	35-7/16	35-7/16	38-3/16
	mm	900	900	900	970
Depth	Inch	13	13	13	14-9/16
	mm	330	330	330	370
Refrigerant		R410A	R410A	R410A	R410A

[1]18+18 is the only 2 indoor unit (RIWH, RIDH or RICH) combination and requires K9FZ1818
[2]See table for allowed combinations within this connectable capacity range.

18, 24, 36,000 BTUh LOW TEMPERATURE HEAT MULTI-ZONE OUTDOOR UNITS

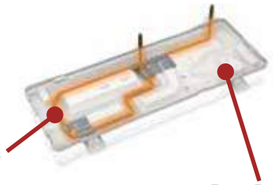
AMBIENT HEATING TEMPERATURE OF -15°F

Other models may go as low as -5°F, however they do not include a base heater and other advancements found in Low Temperature Heat models. See the full story on page 12.

18, 24,000 BTUh

36,000 BTUh

The base of Rheem's Low Temperature Heat outdoor condensing units.



Base Heater

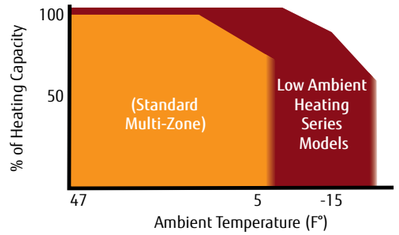
When temperatures reach 36°F, a built-in heater warms the base of the outdoor unit so that condensation doesn't freeze. Without a heater, freezing condensate can cause noise, damage to the fan blade, condenser, and system performance.

Base Drainage Holes

The contoured base design discharges melted water through many holes located at the bottom of the unit.

IMPROVED HEATING CAPACITY

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



SERVICE VALVES

ROM18FXZHJ / ROM24FXZHJ

The above units have service valves.

BENEFITS:

- Installation – It allows for a quicker and more productive install.
- Service – Allows for isolation.
- Add Ons – Ease of additional add-ons.

The ROM36FXZHJ does not have this feature.

ENERGY STAR® QUALIFYING SYSTEMS:

OUTDOOR UNIT	INDOOR UNIT TYPE		
	Non-ducted	Ducted	Mixed
ROMH18AFXZJ	★	—	—
ROMH24AFXZJ	★	—	—
ROMH36AFXZJ	—	—	—
ROMH45AFXZJ	—	—	—
ROMH18FXZHJ	★	—	—
ROMH24FXZHJ	★	—	—
ROMH36FXZHJ	★	—	—

HIGH-HEAT ROMH18FXZHJ, ROMH24FXZHJ, ROMH36FXZHJ

		ROMH18FXZHJ RIWH09+RIWH09	ROMH24FXZHJ RIWH09+RIWH07+RIWH07	ROMH36FXZHJ RIWH09 x 4
Performance				
Connectable Indoor Units		2	2 to 3	2 to 4
Connectable Unit Capacity Class	**BTUh**	14,000 to 21,000	14,000 to 27,000	27,000 to 39,000
Rated Capacity Cooling/Heating	**BTUh**	18,000/22,000	22,000/25,000	35,200/36,400
Cooling Operating Range	**°F (°C)**	14 to 115 (-10 to 46)	14~115 (-10~46)	14~ 115 (-10~46)
Heating Operating Range	**°F (°C)**	-15 to 75 (-26 to 24)	-15~75 (-26~24)	-15~75 (-26~24)
Electrical				
Rated Input Power Clg/Htg	**kW**	1.33/1.70	1.65/1.81	2.70/2.67
Voltage/Frequency/Phase		208-230/60/1	208-230/60/1	208-230/60/1
Maximum Total Current	**Amps**	16.4	20.8	26.0
Minimum Circuit Ampacity	**Amps**	19.7	25.1	31.5
Maximum Circuit Breaker	**Amps**	20	30	40
Fan: Type x Quantity		Propeller x 1	Propeller x 1	Propeller x 1
Sound Pressure Level Cooling	**dB(A)**	48	50	53
Sound Pressure Level Heating	**dB(A)**	50	52	55
Lineset Requirements				
Minimum Lineset Length Each	**ft(m)**	16 (5)	16 (5)	16 (5)
Maximum Lineset Length Each	**ft(m)**	82 (25)	82 (25)	82 (25)
Minimum Lineset Length Total	**ft(m)**	49 (15)	49 (15)	49 (15)
Maximum Lineset Length Total	**ft(m)**	164 (50)	230 (70)	230 (70)
Pre-Charge Length Total	**ft(m)**	98 (30)	98 (30)	164 (50)
Maximum Lineset Height Difference Btwn Outdoor Unit & Furthest Indoor Unit	**ft(m)**	49 (15)	49 (15)	49 (15)
Maximum Lineset Height Difference Btwn Indoor Units	**ft(m)**	33 (10)	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
Size & Weight				
Net Weight	**lbs. (kg)**	134 (61)	146 (66)	205 (93)
Dimensions: Height	**Inch**	32-11/16	32-11/16	39-5/16
	mm	830	830	998
Width	**Inch**	35-7/16	35-7/16	38-3/16
	mm	900	900	970
Depth	**Inch**	13	13	14-9/16
	mm	330	330	370
Refrigerant		R410A	R410A	R410A

ALLOWABLE COMBINATIONS

= Allowed “Connectable Capacity” combinations over 100%

ROMH18AFXZJ
ROMH18FXZHJ

Connect 2 indoor units

ROMH18AFXZJ / ROMH18FXZHJ		
ZONE 1	ZONE 2	TOTAL
7	7	14
7	9	16
7	12	19
9	9	18
9	12	21

ROMH24AFXZJ
ROMH24FXZHJ

Connect 2-3 indoor units

ROMH24AFXZJ / ROMH24FXZHJ			
ZONE 1	ZONE 2	ZONE 3	TOTAL
7	7	+	14
7	9	+	16
7	12	+	19
7	15		22
7	18		25
9	9	+	18
9	12		21
9	15		24
9	18		27
12	12		24
12	15		27
7	7	7	21
7	7	9	23
7	7	12	26
7	9	9	25
9	9	9	27

ROMH36AFXZJ
ROMH36FXZHJ

Connect 2-4 indoor units

ROMH36AFXZJ		
ZONE 1	ZONE 2	TOTAL
7	24	31
9	24	33
12	24	36
15	24	39

ROMH36AFXZJ / ROMH36FXZHJ				
ZONE 1	ZONE 2	ZONE 3	ZONE 4	TOTAL
18*	18*			36
7	7	15	+	29
7	7	18	+	32
7	7	24		38
7	9	12	+	28
7	9	15	+	31
7	9	18		34
7	12	12	+	31
7	12	15		34
7	12	18		37
9	9	9	+	27
9	9	12	+	30
9	9	15		33
9	9	18		36
9	12	12		33
9	12	15		36
9	12	18		39
12	12	12		36
12	12	15		39
7	7	7	7	28
7	7	7	9	30
7	7	7	12	33
7	7	7	15	36
7	7	7	18^	39
7	7	9	9	32
7	7	9	12	35
7	7	9	15	38
7	7	12	12	38
7	9	9	9	34
7	9	9	12	37
9	9	9	9	36
9	9	9	12	39

CHOOSE AN OUTDOOR UNIT:

Select either an 18, 24, 36 or 45,000 BTUh 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.

CHOOSE INDOOR UNITS:

RIWH07AVFJ
RIWH09AVFJ
RIWH12AVFJ
RIWH15AVFJ◊
RIWH18AVFJ
RIWH24AVFJ

RIDH07AVFJ
RIDH09AVFJ
RIDH12AVFJ
RIDH18AVFJ
RIDH24AVFJ

RICH07AVFJ
RICH09AVFJ
RICH12AVFJ
RICH18AVFJ

RIFH09AVFJ
RIFH12AVFJ
RIFH15AVFJ

“+” represents available circuit for future expansion when connecting this combination.
*The optional kit RXK9FZ1818 is necessary for dual zone system “18+18” with ROMH36AFXZJ only.
^Wall mounted type RIWH18AFVJ cannot be connected in this combination using ROMH36AFXZJ. Combination allowed with ROMH36FXHJ.
◊Actual rated cooling capacity of RIWH15AVFJ is 14,000 BTU/h.

= Allowed “Connectable Capacity” combinations over 100%

ROMH45AFXZJ

Connect 2-5 indoor units

ROMH45AFXZJ		
ZONE 1	ZONE 2	TOTAL
18	18	36
12	24	36
15	24	39
18	24	42
24	24	48

ROMH45AFXZJ			
ZONE 1	ZONE 2	ZONE 3	TOTAL
7	7	24	38
7	9	18	34
7	9	24	40
7	12	18	37
7	12	24	43
7	15	15	37
7	15	18	40
7	15	24	46
7	18	18	43
7	18	24	49
9	9	18	36
9	9	24	42
9	12	15	36
9	12	18	39
9	12	24	45
9	15	15	39
9	15	18	42
9	15	24	48
9	18	18	45
9	18	24	51
12	12	12	36
12	12	15	39
12	12	18	42
12	12	24	48
12	15	15	42
12	15	18	45
12	15	24	51
12	18	18	48
12	18	24	54
15	15	15	45
15	15	18	48
15	15	24	54
15	18	18	51
18	18	18	54

ROMH45AFXZJ, con't				
ZONE 1	ZONE 2	ZONE 3	ZONE 4	TOTAL
7	7	7	15	36
7	7	7	18	39
7	7	7	24	45
7	7	9	12	35
7	7	9	15	38
7	7	9	18	41
7	7	9	24	47
7	7	12	12	38
7	7	12	15	41
7	7	12	18	44
7	7	12	24	50
7	7	15	15	44
7	7	15	18	47
7	7	15	24	53
7	7	18	18	50
7	9	9	9	34
7	9	9	12	37
7	9	9	15	40
7	9	9	18	43
7	9	9	24	49
7	9	12	12	40
7	9	12	15	43
7	9	12	18	46
7	9	12	24	52
7	9	15	15	46
7	9	15	18	49
7	9	18	18	52
7	12	12	12	43
7	12	12	15	46
7	12	12	18	49
7	12	15	15	49
7	12	15	18	52
7	15	15	15	52
9	9	9	9	36
9	9	9	12	39
9	9	9	15	42
9	9	9	18	45
9	9	9	24	51
9	9	12	12	42
9	9	12	15	45
9	9	12	18	48
9	9	12	24	54
9	9	15	15	48
9	9	15	18	51
9	9	18	18	54
9	12	12	12	45
9	12	12	15	48
9	12	12	18	51
9	12	15	15	51
9	12	15	18	54
12	12	12	12	48
12	12	12	15	51
12	12	12	18	54
12	12	15	15	54

ROMH45AFXZJ, con't					
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	TOTAL
7	7	7	7	7	35
7	7	7	7	9	37
7	7	7	7	12	40
7	7	7	7	15	43
7	7	7	7	18	46
7	7	7	7	24	52
7	7	7	9	9	39
7	7	7	9	12	42
7	7	7	9	15	45
7	7	7	9	18	48
7	7	7	9	24	54
7	7	7	12	12	45
7	7	7	12	15	48
7	7	7	12	18	51
7	7	7	15	15	51
7	7	7	15	18	54
7	7	9	9	9	41
7	7	9	9	12	44
7	7	9	9	15	47
7	7	9	9	18	50
7	7	9	12	12	47
7	7	9	12	15	50
7	7	9	12	18	53
7	7	9	15	15	53
7	7	12	12	12	50
7	7	12	12	15	53
7	9	9	9	9	43
7	9	9	9	12	46
7	9	9	9	15	49
7	9	9	9	18	52
7	9	9	12	12	49
7	9	9	12	15	52
7	9	12	12	12	52
9	9	9	9	9	45
9	9	9	9	12	48
9	9	9	9	15	51
9	9	9	9	18	54
9	9	9	12	12	51
9	9	9	12	15	54
9	9	12	12	12	54

ACCESSORY COMPATIBILITY

		SINGLE-ZONE SYSTEMS																																		MULTI-ZONE AND FLEX-ZONE SYSTEMS					
		WALL MOUNTED																		FLOOR MOUNT							COMPACT CASSETTE			SLIM DUCT			UNIVERSAL FLOOR / CEILING			CIRCULAR FLOW LARGE CASSETTE										
		09AVSA	09AFWJ	09AHWJ	09AHHJ	12AVSA	12AFWJ	12AHWJ	12AHHJ	15AHWJ	15AHHJ	18ASJ	18AXFWJ	18AHXHJ	24ASJ	24AXFWJ	24AHXHJ	30AXJ	30AHXHJ	36AXJ	09AFFJ	09AFFHJ	12AFFJ	12AFFHJ	15AFFJ	15AFFHJ	09AFCJC	12AFCJC	18AFCJC	09AFCJD	12AFCJD	18AFCJD	18AXJ	24AXJ	36AXJ	18AXCJC	24AXCJC	30AXCJC	36AXCJC	42AXCJC	48AXCJC	Small Wall (07, 09, 12, 15AVFJ)	Large Wall (18, 24AVFJ)	Cassette	Slim Duct	Floor Mount	ROM45AFXZJ
REMOTE CONTROLS																																													
RXRNBYU	Wired Remote Control																															●[1]	●[1]	●[1]												
RXRNNUM	Wired Remote Control		●[3]	●[2]	●[2]		●[3]	●[2]	●[2]	●[2]	●[2]	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									●[3]	●	●	●	●	
RXRVNUM	Wired Remote Control (Backlit)		●[3]	●[2]	●[2]		●[3]	●[2]	●[2]	●[2]	●[2]	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									●[3]	●[4]	●[4]	●[4]	●[4]	
RXRSNUM	Simple Remote Control 3-Wire		●[3]	●[2]	●[2]		●[3]	●[2]	●[2]	●[2]	●[2]	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									●[3]	●	●	●	●	
RXRSRY	Simple Remote Control 2-Wire																		●																●	●	●	●	●	●						
RXRHRY	Simple Remote Control 2-Wire																		●																●	●	●	●	●	●						
RXLNHUM	Wireless Remote Control																										●	●	●														●			
RXDMMUM	Central Remote Control																																													●
RXRNRUZ2	Wired Remote Control																		●																●	●	●	●	●	●						
RXXSZX	Remote Sensor																													●	●	●													
RXLRHUM	Receiver Unit																													●	●	●													
RXLBTUC	IR receiver kit w/ wireless remote controller																																			●	●	●	●	●	●					
INTERFACE KITS																																													
RXXWZX	Dry Contact Wire Kit										●	●	●	●	●	●	●	●	●								●	●	●													●	●			
RXXWZXZ5	Dry Contact Wire Kit		●	●	●		●	●	●	●	●									●	●	●	●	●	●															●[3]				●	
RXXWZXZG	External Connect Kit																																			●	●	●	●	●	●					
RXXCBXZ2	Interface Kit[3]		●				●																																			●				
RXTWBXF1	Interface Kit[2]			●	●			●	●	●	●																																			
RXECS5A	Slim Duct Connector Kit																													●	●	●													
RXXWZXZ3	Outdoor Unit Input/Output Connector																		●																				●	●						
RXXCSXZ1	Interface Kit																		●																											
RXGXXB	Interface Kit Box																		●																											
RXXCSX	External input and output PCB																																			●	●	●	●	●	●					
RXSHZXC	Human Sensor Kit																																			●	●	●	●	●	●					
FRESH AIR INTAKE KITS																																													
RXKXGC	High Humidity Insulation Kit																										●	●	●															●		
RXYDZB	Air Outlet Shutter Plate																										●	●	●															●		
RXVXAA	Fresh Air Intake Kit																										●	●	●															●		
RXKHRS940-25	Fresh Air Intake																																●	●	●	●	●	●	●	●	●				
RXYDZK	Air Outlet Shutter PLate																																			●	●	●	●	●	●					
MISCELLANEOUS																																													
RXTTRX	Thermostat Converter		●[7]	●[8]	●[8]		●[7]	●[8]	●[8]	●[8]	●[8]	●[5]	●[5]	●[5]	●[5]	●[5]	●[5]	●[5]	●[5]	●[5]	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●	●[5]	●	●	●
RXK3PST	3-Pole Single Throw Safety Switch	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
RXK9R410A55	R410A Swivel Adapter	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
RXDPB24T	Condensate Pump																																		●										
RXK9FZ1818	18+18 Combo Fittings Kit (for ROMH36AFXZJ)																																										●			
RXGXSA-W	Auto Louver Grille Kit (for ROCH09, 12)																													●	●													●		
RXGXSB-W	Auto Louver Grille Kit (for RICH18)																															●												●		
RXGXSC-W	Auto Louver Grille Kit (for RICH24)																																											●		
RXAKXA-W	Wide Panel																																			●	●	●	●	●	●					
RXBKXA-W	Panel Spacer																																			●	●	●	●	●	●					
RXKXRA	Insulation for High Humidity																																			●	●	●	●	●	●					

[1]If using RXRNBYU with these models you need to change the dip switch SW-1 to "ON". Refer to Tech Tip #028.
[2]Wall mounted RIWH09, 12, and 15RAHWJ / AHHJ require accessory interface kit #RXTWBXF1 in order to connect these devices to them.
[3]Wall mounted RIWH07, 09, and 12AVFJ require accessory interface kit #RXXCBXZ2 in order to connect these devices to them.
[4]Only multi-zone models greater than specific serial numbers are compatible with RXRVNUM. See Service Bulletin 0031 for serial number compatibility.
[5]Requires RXWIFI.
[6]Wireless Receiver #RXLRHUM is required in order to connect this device.
[7]Requires accessory interface kit #RXXCBXZ2 and plug model #RXWIFI in order to connect these devices to them.
[8]Requires accessory interface kit #RXTWBXF1 and plug model #RXWIFI in order to connect these devices to them.

CONTROLS

Wired Remote Control
RXRNNUM*
RXRNBYU^
3-Wire
Group Control

The wired remote control with its unique lock function and sleek design provides full feature access to property managers, building owners, and facility maintenance, as well as providing basic comfort features to tenants, employees, and teachers.

Wired Remote Control
RXRVNUM
3-Wire
Group Control

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.

Simple Remote Control
RXRSNUM
3-Wire
Group Control

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.

Simple Remote Control
2-Wire
RXRSRY
Group Control

Backlit 2-wire remote with built in temperature sensor. Offers set point adjustment in 1℉ increments. Concentrates on basic functions such as Start/Stop, fan control, temperature setting and operation mode.

Simple Remote Control
2-Wire
RXRHRY
Group Control

Backlit 2-wire remote with built in temperature sensor. Offers set point adjustment in 1℉ increments. Concentrates on basic functions such as Start/Stop, fan control, and temperature setting.

Wired Remote (Touch Panel)
RXRNRUZ2
2-Wire
Group Control

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.

Wireless Remote Control
RXLNHUM

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

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.

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.

Receiver Unit
RXLRHUM
3-Wire

For slim duct models. Includes a wireless remote control.

IR Receiver Kit
RXLBTUC

For large circular flow cassettes. Includes a wireless remote control.

ADDITIONAL CONTROLS

Thermostat Converter
RXTTRX

Control products1 using a third party thermostat. Up to 16 indoor units can be connected as a group to one thermostat convertor.

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.

^Minimum Heat, Sleep Timer functions will be lost when the wired remote control is installed.
**Wall mounted RIWH07, 09, and 12AFVJ require accessory interface kit (Part RXXCBXZ2) in order to connect this device to them. Wall mounted RIWH09, 12, and 15AHWJ / AHHJ require accessory interface kit (Part RXTWBXF1) in order to connect this device to them.*

FRESH AIR INTAKE KITS

Air Outlet Shutter Plate
RXYDZK

Installed at the air outlet when 3-directions mode is performed.

Fresh Air Intake Kit
RXVXAA - for compact cassette units

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.

High Humidity Insulation Kit
RXKXGC

Additional insulation for compact cassette units, which may be needed when they are installed in high humidity areas.

Air Outlet Shutter Plate
RXYDZB

In a 3-way air flow configuration an Air Outlet Shutter Plate kit is required to block air flow of 1 louver.

Fresh Air Intake Kit
RXKHRS940-25

Fresh air kit for AXCJC/AXJ systems. Kit contains Current Sensor with Built-in Relay and Switching Power Supply. Requires field supplied ductwork and a fan capable of generating 15 CFM at a static pressure of approximately 0.26" WC.

INTERFACE KITS

Dry Contact Wire Kit*
RXXWZX / RXXWZXZ5

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.

Interface Kit
RXXCBXZ2

Required to connect RIWH07, 09, and 12AVFJ to Wired Remotes RXRNNUM and RXRVNUM, Dry Contact Wire Kit RXXWZX, and Simple Remote Control RXRSNUM.

Interface Kit
RXTWBXF1

Required to connect the 09, 12, 15AHWJ / AHHJ to Wired Remotes RXRNNUM and RXRVNUM, Dry Contact Wire Kit RXXWZXZ5, and Simple Remote Control RXRSNUM.

Slim Duct Connector Kit
RXECS5A

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.

Outdoor Unit Input / Output Connector
RXXWZXZ3

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.

Interface Kit
RXXCSXZ1

Required to connect RIWH30AVFJ to Dry Contact Wire Kit RXXWZXZ3, and Lead Lag Control function^.

Interface Kit Box
RXGXXB

Used to conceal Interface Kit RXXCSXZ1.

External Connect Kit
RXXWZXZG

Used to connect with various peripheral devices and all A/C PCBs. For control outport port.

External input and output PCB
RXXCSX

For ³VGSN² units, use to connect with external devices and A/C PCB.

Human Sensor Kit
RXSHZXG

For large circular cassette.

External input and output PCB Box
RXGXRA

For large circular cassette. For installing the External input and output PCB.

*Will reduce capacity.
^Wired remotes cannot be used when using this feature. This includes RXRNRUZ2, RXRVNUM, RXRNNUM, RXRSNUM.

MISCELLANEOUS

3-Pole Single Throw Safety Switch
RXK3PST

For use where code requires a disconnect at the indoor unit.

R410A Swivel Adapter
RXK9R410A55

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.

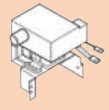
18+18 Combo Fittings Kit
RXK9FZ1818

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".

Auto Louver Grille Kit
RXGXSA-W (for RIDH07/09/12)
RXGXSB-W (for RIDH18)
RXGXSC-W (for RIDH24)

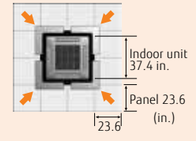
Auto Louver provides comfortable airflow and blends in with various interiors. Grille can be connected either directly to indoor unit or through the rectangular duct.

Condensate Pump
RXDPB24T



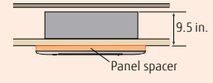
OEM design plugs into factory harness for ease of installation. Rated for 11.8" of vertical lift. Only used with System ³36ASXJ².

Wide Panel
RXAKXA-W



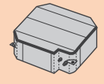
Hides the gap between the ceiling hole and the cassette grille.

Panel Spacer
RXBKXA-W



If there is not enough height in the ceiling space, by inserting this spacer between the cassette grille and the ceiling surface, the height of the body goes into the ceiling space becomes 2 in. (50mm) lower.

High Humidity Insulation Kit
RXKXRA



Install when the under-roof humidity is over 80% and the temperature is over 86℉ (30℃)

LINE SET SIZES AND LENGTHS - SINGLE ZONE

	SINGLE-ZONE SYSTEMS																									
	WALL MOUNTED																		FLOOR MOUNT						COMPACT CASSETTE		
	09AVSA	09AFWJ	09AHWJ	09AHHJ	12AVSA	12AFWJ	12AHWJ	12AHHJ	15AHWJ	15AHHJ	18ASJ	18AXFWJ	18AHXHJ	24ASJ	24AXFWJ	24AHXHJ	30AXJ	30AHXHJ	36AXJ	09AFFJ	09AFFHJ	12AFFJ	12AFFHJ	15AFFJ	15AFFHJ	09AFCJC	12AFCJC	18AFCJC
1/4” x 3/8”	•	•	•	•	•	•	•	•		•				•						•	•	•	•			•	•	
1/4” 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)	165 (50)	165 (50)	66 (20)	165 (50)	165 (50)	165 (50)	246 (75)	165 (50)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)
Max. lineset length (Pre-charge) ft (m)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	66 (20)	66 (20)	49 (15)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)
Min. Lineset 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)	16 (5)	16 (5)	10 (3)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)

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

	SINGLE-ZONE SYSTEMS											
	SLIM DUCT			UNIVERSAL FLOOR / CEILING			CIRCULAR FLOW LARGE CASSETTE					
	09AFCJD	12AFCJD	18AFCJD	18AXJ	24AXJ	36ASXJ	18AXCJC	24AXCJC	30AXCJC	36AXCJC	42AXCJC	48AXCJC
1/4” x 3/8”	•	•										
1/4” x 1/2”			•	•			•					
3/8” x 5/8”					•	•		•	•	•	•	•
Total System												
Max. Combined Pipe Length ft (m)	66 (20)	66 (20)	66 (20)	165 (50)	165 (50)	165 (50)	164 (50)	164 (50)	164 (50)	164 (50)	164 (50)	164 (50)
Max. lineset length (Pre-charge) ft.	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	66 (20)	66 (20)	66 (20)	66 (20)	98 (30)	98 (30)
Min. Lineset Length ft (m)	10 (3)	10 (3)	10 (3)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)

LINE SET SIZES AND LENGTHS - MULTI-ZONE

	MULTI / FLEX ZONE MODELS - INDOOR UNITS																				
	WALL MOUNTED						FLOOR MOUNT			SLIM DUCT					COMPACT CASSETTE				MIXED		
	RIWH07AVFJ	RIWH09AVFJ	RIWH12AVFJ	RIWH15AVFJ	RIWH18AVFJ	RIWH24AVFJ	RIFH09AVFJ	RIFH12AVFJ	RIFH15AVFJ	RIDH07AVFJ	RIDH09AVFJ	RIDH12AVFJ	RIDH18AVFJ	RIDH24AVFJ	RICH07AVFJ	RICH09AVFJ	RICH12AVFJ	RICH18AVFJ	RIWH18AVFJ x 2*	RIDH18AVFJ x 2*	RICH18AVFJ x 2*
1/4” x 3/8”	•	•	•				•	•		•	•	•			•	•	•				
1/4” x 1/2”				•	•				•				•					•			
1/4” x 5/8”						•								•							
3/8” x 1/2”																			•	•	•
Each Indoor Unit	Minimum and maximum pipe lengths for multi-zone units are found on pages 53 and 55.																				

	MULTI / FLEX ZONE MODELS - OUTDOOR UNITS						
	ROMH18AFXZJ	ROMH18FXZHJ	ROMH24AFXZJ	ROMH24FXZHJ	ROMH36AFXZJ	ROMH36FXZHJ	ROMH45AFXZJ25
Total System							
Max. Combined Pipe Length ft (m)	165 (50)	165 (50)	165 (50)	165 (50)	230 (70)	230 (70)	264 (80)
Max. lineset length (Pre-charge) ft (m)	98 (30)	98 (30)	98 (30	98 (30	164 (50)	164 (50)	164 (50)
Min. Lineset Length ft (m)	49 (15)	49 (15)	49 (15)	49 (15)	66 (20)	49 (15)	49 (15)

*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	
Brand	**Product Category**	**Unit Type**	**Functions**	**Capacity BTU/HR**	**Major System Series**	**System Type**	**Type (2)**	**Voltage**	**Revision Series (Option)**
R: Rheem	**O:** Mini-Split Outdoor Unit	**S:** Single Zone ODU **M:** Multi-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:** 1st Series	**V:** Inverter **X:** Extended Line Set **H:** High Efficiency **F:** Flex Tech (when followed by a W or Z)	**H=** High Heating **Z:** Zone **W:** Wall Mount only **F:** Floor Mount **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	
Brand	**Product Category**	**Unit Type**	**Functions**	**Capacity BTU/HR**	**Major System Series**	**System Type**	**Type (2)**	**Voltage**	**Minor Revision Series (Option)**
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:** 1st Series	**V:** Inverter **X:** Extended Line Set **H:** High Efficiency **F:** Flex Tech (when followed by a W or Z)	**H=** High Heating **Z:** Zone **W:** Wall Mount only **F:** Floor Mount **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® DUCTLESS 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 required (RegisterMyUnit.com) For Complete details, contact your local Contractor, or go to Rheem.com for a copy of the product warranty certificate.

THINGS TO KNOW WHEN YOU INSTALL A RHEEM MINI-SPLIT SYSTEM

Warning

Always use a licensed installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion. Use only parts and accessories supplied or specified by Rheem. Ask a licensed contractor to install parts and accessories. Use of unauthorized or improper installation of parts and accessories can result in injury or property damage. Read the owner's operation manual carefully before using this product. The owners operation manual provides important safety instructions and warnings which should be followed closely. For any questions or concerns, please contact Rheem. Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit EnergyStar.gov.

Heat Pump Disclaimer

In most climates a heat pump will handle all of your heating needs. However, this system sometimes requires some other additional source of heat to satisfy heating requirements in the coldest environments. All of the Rheem Mini-Split Heat Pumps use inverter technology and as such offer a wider operating range and more heat capacity than a standard heat pump but will not provide adequate heating if improperly sized or operated outside of its operating range. Specifications vary by model; please consult your contractor before choosing a heat pump as your only source of heat. Systems will maintain temperature up to +/-4 degrees relative to set temperature. To increase energy efficiency on multi-type systems, you should turn off the evaporators when heating or cooling is not needed.

CERTIFICATIONS

ISO

Certification means that Rheem has passed a series of independent audits proving it maintains a modern quality control system to consistently provide quality products. These audits assess all a company's systems that affect quality. All Rheem manufacturing facilities have achieved the prestigious ISO 2001 Certification. Rheem was the first HVAC manufacturer in North America to earn this distinction in all its manufacturing facilities

AHRI Energy Guide® Program (U.S.)

To view AHRI numbers or Energy Guide labels, please go to www.ahridirectory.org.

ASTM

Our outdoor units shall withstand 1,000 hours of salt spray tested per procedure ASTM B117.

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.

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