

ANY ROOM,
ANY SEAS^oN

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

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



A Year-Round Solution

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



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



The new degree of comfort.®

* See bottom of Page 17 for qualifying combinations.

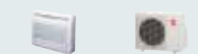
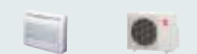
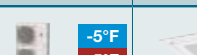
^ SEER and HSPF ratings depend on combination of indoor units and outdoor unit selected.

+ 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.

*Standard warranty is 5 year Parts / 7 year Compressor. Warranty 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.

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	 RIWH09AHWJ / ROSH09AHWJ	 RIWH12AHWJ / ROSH12AHWJ	 RIWH15AHWJ / ROSH15AHWJ							
Prestige Series Wall Mount Low Temp Htg Op.	 RIWH09AHWJ / ROSH09AHHJ	 RIWH12AHWJ / ROSH12AHHJ	 RIWH15AHWJ / ROSH15AHHJ	 RIWH18AVFJ / ROSH18AHXJ		 RIWH24AVFJ / ROSH24AHXJ	 RIWH30AVFJ / ROSH30AHXJ			
Classic Plus® Series Wall Mount	 RIWH09AVFJ / ROSH09AFWJ	 RIWH12AVFJ / ROSH12AFWJ		 RIWH18AVFJ / ROSH18AXFWJ		 RIWH24AVFJ / ROSH24AXFWJ				
Classic® Series Wall Mount	 RIWH09AVSA / ROSH09AVSA	 RIWH12AVSA / ROSH12AVSA		 RIWH18ASJ / ROSH18ASJ		 RIWH24ASJ / ROSH24ASJ	 RIWH30AXJ / ROSH30AXJ	 RIWH36AXJ / ROSH36AXJ		
Prestige Series Floor Mount	 RIFH09AVFJ / ROSH09AFFJ	 RIFH12AVFJ / ROSH12AFFJ	 RIFH15AVFJ / ROSH15AFFJ							
Prestige Series Floor Mount Low Temp Htg. Op.	 RIFH09AVFJ / ROSH09AFFHJ	 RIFH12AVFJ / ROSH12AFFHJ	 RIFH15AVFJ / ROSH15AFFHJ							
Classic Series Compact Cassette¹	 RICH09AVFJ / ROSH09AFCJ	 RICH12AVFJ / ROSH12AFCJ		 RICH18AVFJ / ROSH18AFCJ						
Classic Series Slim Duct	 RIDH09AVFJ / ROSH09AFCJ	 RIDH12AVFJ / ROSH12AFCJ		 RIDH18AVFJ / ROSH18AFCJ						
Classic Series Universal Mount / Ceiling Only				 RIUH18AXJ / ROSH18VSN		 RIUH24AXJ / ROSH24VSN		 RIUH36ASXJ / ROSH36VSN		
Classic Series Large Cassette Circular Flow				 RICH18AXCJ / ROSH18VGSN		 RICH24AXCJ / ROSH24VGSN	 RICH30AXCJ / ROSH30VGSN	 RICH36AXCJ / ROSH36VGSN	 RICH42AXCJ / ROSH42VGSN	 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 (2² - 4 Indoor Units)	45,000 (2 - 5 Indoor Units)
	 ROMH18AFXZJ	 ROMH24AFXZJ	 ROMH36AFXZJ	 ROMH45AFXZJ
	 ROMH18FXZHJ	 ROMH24FXZHJ	 ROMH36FXZHJ	

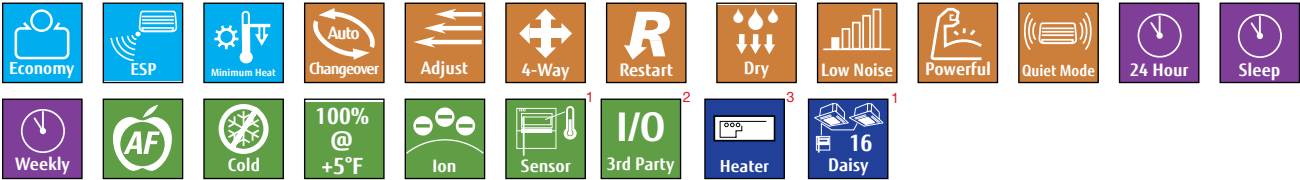
¹Compact Cassette Grille RXCCGF shown is sold separately and must be ordered with each Compact Cassette model. ²If ROMH36AFXZJ is paired with two 18,000 BTU indoor units, you have to purchase optional kit Part #K9FZ1818.

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



¹Available only with optional wired Remote Control and optional interface kit.
²Available only with optional interface kit. Operation monitoring and On / Off control only.
³Low temperature heating operation models only

ENERGY SAVING PROGRAM

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



OPTIONAL ACCESSORIES

- Wired Remote Control: RXRVNUM
- Wired Remote Control: RXRNNUM
- Simple Remote Control: RXRSNUM
- Interface Kit: RXTWBXF1
- Dry Contact Wire Kit: RXXWZXZ5

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.

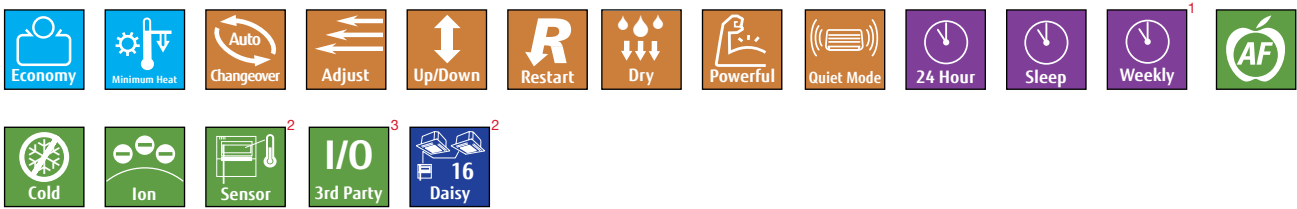
SYSTEMS | LOW TEMP HEATING SYSTEMS

09AHWJ, 12AHWJ, 15AHWJ

09AHHJ, 12AHHJ, 15AHHJ

		09AHWJ	12AHWJ	15AHWJ	09AHHJ	12AHHJ	15AHHJ
UP TO 33.0 SEER							
Performance							
Nominal Cooling	BTU/HR	9,000	12,000	14,500	9,000	12,000	14,500
Min.-Max. Cooling	BTU/HR	3,100~12,000	3,100~13,600	3,100~18,400	3,100~12,000	3,100~13,600	3,100~18,400
Nominal Heating	BTU/HR	12,000	16,000	18,000	12,000	16,000	18,000
Min.-Max. Heating	BTU/HR	3,100~22,000	3,100~22,100	3,100~23,900	3,100~22,000	3,100~22,100	3,100~23,900
SEER		33.0	29.3	25.3	33.0	29.3	25.3
HSPF		14.2	14.0	13.4	14.0	13.8	13.3
EER		18.0	15.2	13.9	18.0	15.2	13.9
Cooling Operating Range	°F (°C)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)
Heating Operating Range	°F (°C)	-5~75 (-21~24)	-5~75 (-21~24)	-5~75 (-21~24)	-15~75 (-26~24)	-15~75 (-26~24)	-15~75 (-26~24)
Moisture Removal	Pt./h (l/h)	2.6 (1.2)	2.7 (1.3)	4.0 (1.9)	2.6 (1.2)	2.7 (1.3)	4.0 (1.9)
Max Htg % of Model # Capacity at +5°F (-15°C)*		171%	138%	140%	171%	138%	140%
Max Htg % of Model # Capacity at -5°F (-21°C)*		156%	125%	124%	156%	125%	124%
Max Htg % of Model # Capacity at -15°F (-26°C)*		--	--	--	123%	98%	109%
Fan							
Air Circulation: Hi	CFM (m3/h)	489 (830)	489 (830)	547 (930)	489 (830)	489 (830)	547 (930)
Air Circulation: Medium	CFM (m3/h)	400 (680)	400 (680)	459 (780)	400 (680)	400 (680)	459 (780)
Air Circulation: Low	CFM (m3/h)	341 (580)	341 (580)	371 (630)	341 (580)	341 (580)	371 (630)
Quiet	CFM (m3/h)	224 (380)	224 (380)	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)	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
	mm	295	620	295	620	295	620
Width	Inch	37	31-1/8	37	31-1/8	37	31-1/8
	mm	940	790	940	790	940	790
Depth	Inch	10-5/8	11-7/16	10-5/8	11-7/16	10-5/8	11-7/16
	mm	270	290	270	290	270	290
Refrigerant		R410A	R410A	R410A	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.3/8	dis.1/4
		Indoor RIWH09AHWJ	Outdoor ROSH09AHWJ	Indoor RIWH12AHWJ	Outdoor ROSH12AHWJ	Indoor RIWH15AHWJ	Outdoor ROSH15AHWJ
		Indoor RIWH09AHHJ	Outdoor ROSH09AHHJ	Indoor RIWH12AHHJ	Outdoor ROSH12AHHJ	Indoor RIWH15AHHJ	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.							

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

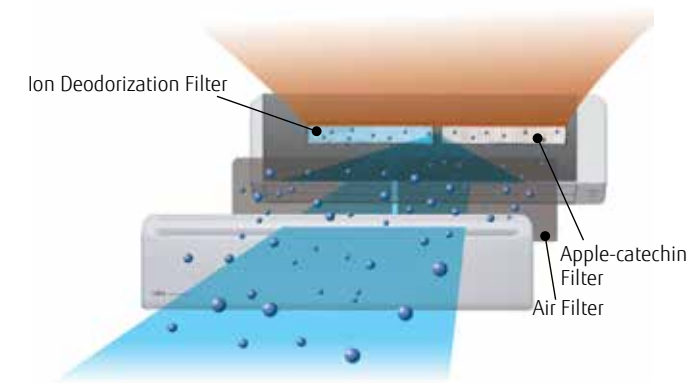


¹Available only with optional wired remote control.
²Available only with optional wired remote control and optional interface kit.
³Available only with optional interface kit. Operation monitoring and On / Off control only.

BUILT IN FILTRATION

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

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



OPTIONAL ACCESSORIES

- Wired Remote Control: RXRVNUM*
 - Wired Remote Control: RXRNNUM*
 - Simple Remote Control: RXRSNUM*
 - Dry Contact Wire Kit: RXXWZXZ5
 - Interface Kit: RXXCBXZ2
- *Wall mounted RIWH09, 12AVFJ require accessory interface kit #RXXCBXZ2 in order to connect these devices to them.

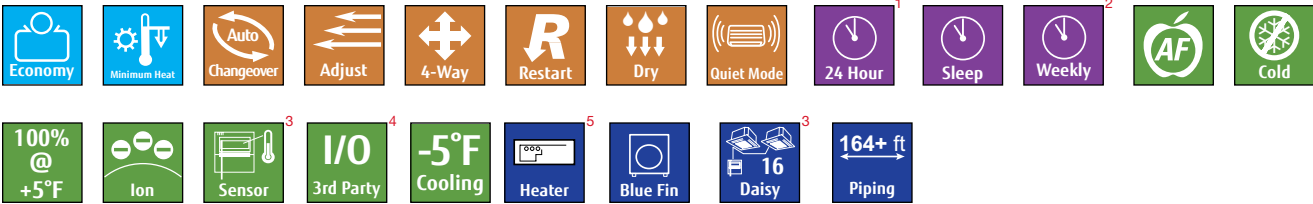
SYSTEMS
09AFWJ, 12AFWJ

UP TO 23 SEER

		09AFWJ	12AFWJ
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)
Height	Inch	10-1/2	21-1/4
	mm	268	540
Width	Inch	33-1/16	26
	mm	840	660
Depth	Inch	8	11-7/16
	mm	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
		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

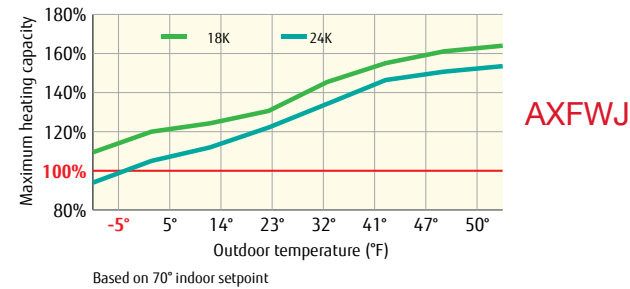


¹AXFWJ systems only.
²AXFWJ systems require optional wired remote control.
³Available only with optional wired remote control.
⁴Available only with optional Interface kit. Operation monitoring and On / Off control only.
⁵AHXHJ models only.

HIGH PERFORMANCE HEATING CAPACITY

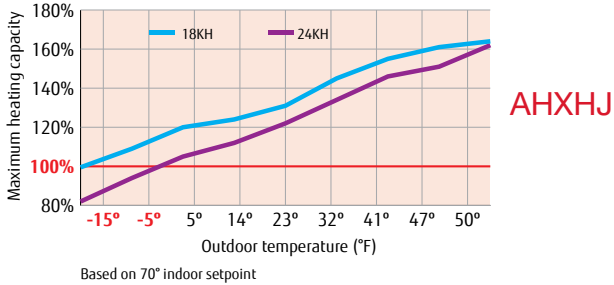
Stay comfortable at low ambient temperatures! The AXFWJ systems can deliver 100% or more of rated heating capacity at 5°F (-15°C) and operates down to -5°F (-21°C).

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



OPTIONAL ACCESSORIES

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

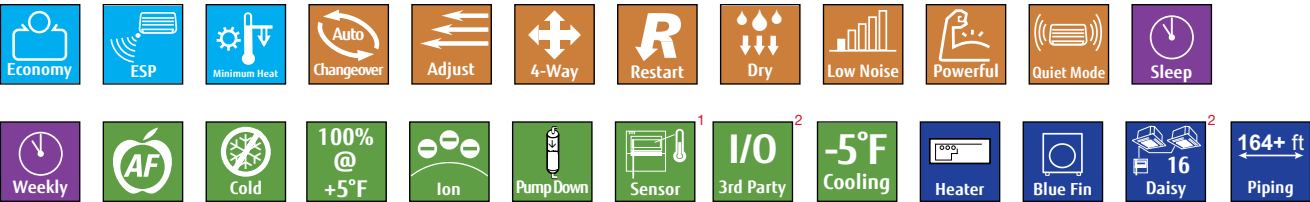
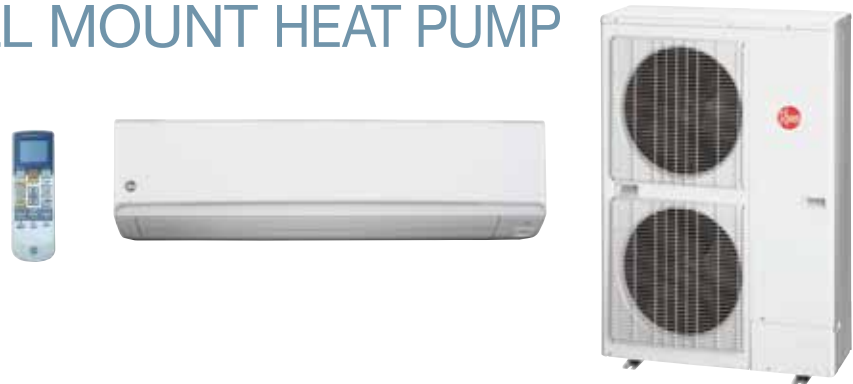


SYSTEMS | LOW TEMP HEATING SYSTEMS
18AXFWJ, 24AXFWJ | 18AHXHJ, 24AHXHJ

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)	135 (61)
Height	Inch	12-5/8	32-3/4	12-5/8	32-3/4
	mm	320	830	320	830
Width	Inch	39-1/4	35-3/8	39-1/4	35-3/8
	mm	998	900	998	900
Depth	Inch	9	13	9	13
	mm	228	330	228	330
Refrigerant		R410A	R410A	R410A	R410A
Additional Data					
Air Direction: Horizontal		Automatic	Automatic	Automatic	Automatic
Air Direction: Vertical		Automatic	Automatic	Automatic	Automatic
Air Filter		Washable	Washable	Washable	Washable
Minimum Lineset Length	Ft (m)	16 (5)	16 (5)	16 (5)	16 (5)
Maximum Lineset Length	Ft (m)	164 (50) (pre-charge: 66")	164 (50) (pre-charge: 66")	164 (50) (pre-charge: 65")	164 (50) (pre-charge: 65")
Max. Vertical Diff.	Ft (m)	98 (30)	98 (30)	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
* Based on model # capacity class (e.g. 09AHWJ based on 9,000 BTU/HR) @ 70°F indoor setpoint. Refer to the Design & Technical Manual for more heating capacity data.		Indoor RIWH18AVFJ	Outdoor ROSH18AXFWJ	Indoor RIWH18AVFJ	Outdoor ROSH18AXHJ
		Indoor RIWH24AVFJ	Outdoor ROSH24AXFWJ	Indoor RIWH24AVFJ	Outdoor ROSH24AXHJ

Note: Figures are based on 230 Volts.

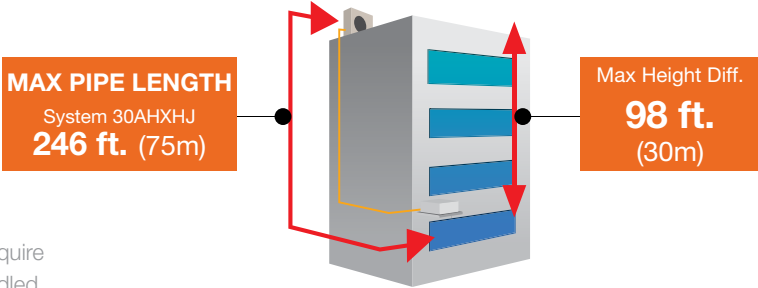
30,000 BTU/HR WALL MOUNT HEAT PUMP



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

EXTENDED LINESET

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



SERVER ROOM MODE

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

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

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

[^]Wired remotes cannot be used when using this feature.
This includes RXRNRUZ1, RXRVNUM, RXRNNUM, RXRSNUM.

LOCK OUT FUNCTION

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

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

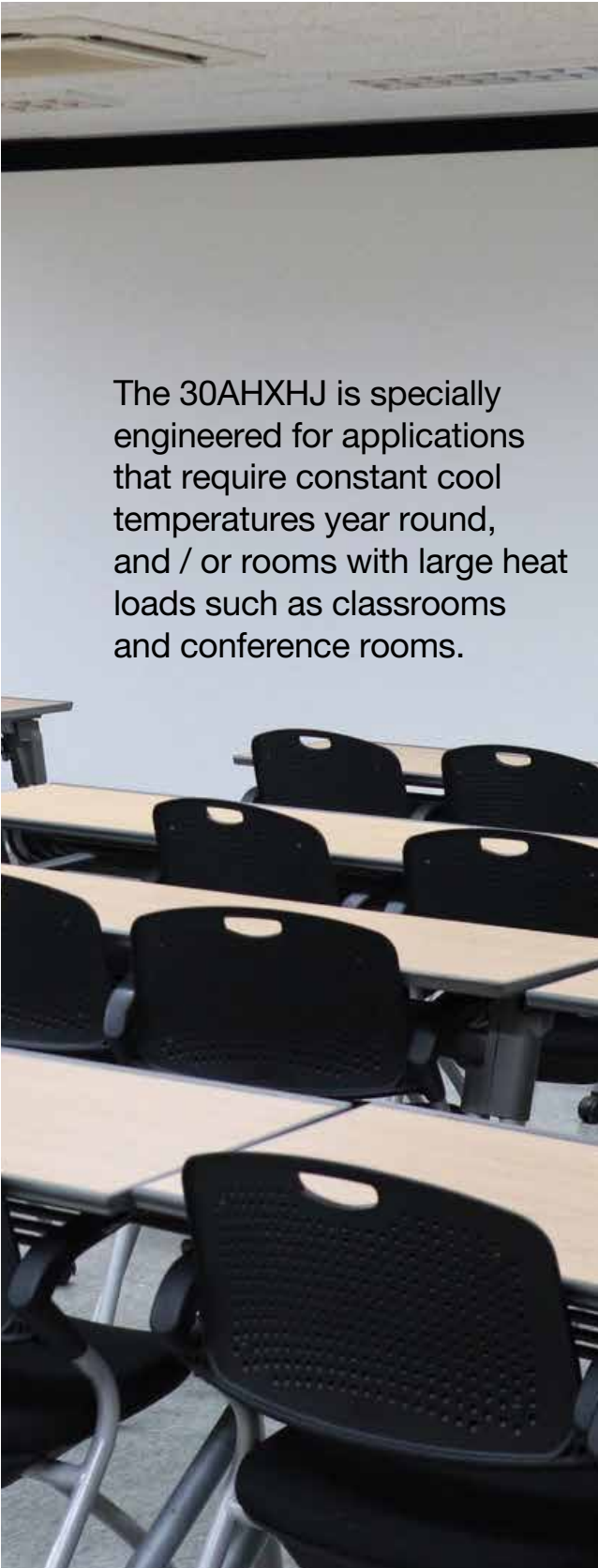
UP TO 18.7 SEER



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

*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.



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.

ACCESSORY
COMPATIBILITY

ACCESSORY COMPATIBILITY		SINGLE-ZONE SYSTEMS																								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	09AHJH	12AVSA	12AFWJ	12AHWJ	12AHJH	15AHWJ	15AHJH	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
RXRNBYSU	Wired Remote Control																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

¹If using RXRNBYSU with these models you need to change the dip switch SW-1 to "ON". Refer to Tech Tip #02B.
²Wall mounted RIWH09, 12, and 15RAHWJ / AHJHJ require accessory interface kit #RXTWBXF1 in order to connect these devices to them.

³Wall mounted RIWH07, 09, and 12AVFJ require accessory interface kit #RXXCBXZ2 in order to connect these devices to them.
⁴Only multi-zone models greater than specific serial numbers are compatible with RXRNUM. See Service Bulletin 0031 for serial number compatibility.

⁵Requires RXWIFI.
⁶Wireless Receiver #RXLRHUM is required in order to connect this device.
⁷Requires accessory interface kit #RXXCBXZ2 and plug model #RXWIFI in order to connect these devices to them.
⁸Requires accessory interface kit #RXTWBXF1 and plug model #RXWIFI in order to connect these devices to them.

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
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: 1 st 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: 1 st 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.®

Rheem® USA • 5600 Old Greenwood Rd • Fort Smith, Arkansas 72908 • www.Rheem.com

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