



Ductless Mini-Split  
Heat Pump Systems

# RELIABLE COMFORT EVEN ON THE COLDEST DAYS

Ruud® Ductless Mini-Split Heat Pump Systems provide both heating and cooling for year-round comfort. Low Temperature Heating Operation models feature outdoor mini-split heat pumps engineered to operate efficiently in temperatures down to -15°F.

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

	System	kBTU	Indoor Unit Dimensions (HxWxD inches)	Outdoor Unit Dimensions (HxWxD inches)	Performance	Lowest Sound Level dB(A)		Weight (lbs)	
						Indoor Clg/Htg	Outdoor Clg/Htg	Indoor	Outdoor
Single-Zone Systems	AHHJ	9	11 5/8 x 37 x 10 5/8	24 7/16 x 31 1/8 x 11 7/16	33 SEER/18 EER/14.2 HSPF	23/23	42/47	31	86
		12	11 5/8 x 37 x 10 5/8	24 7/16 x 31 1/8 x 11 7/16	29.3 SEER/15.2 EER/14 HSPF	23/23	43/47	31	86
		14.5	11 5/8 x 37 x 10 5/8	24 7/16 x 31 1/8 x 11 7/16	25.3 SEER/13.9 EER/13.4 HSPF	26/27	49/50	31	88
	AHXHJ	18	12 5/8 x 39 1/4 x 9	32 3/4 x 35 3/8 x 13	20 SEER/13.3 EER/10.4 HSPF	28/28	47/50	31	135
		24	12 5/8 x 39 1/4 x 9	32 3/4 x 35 3/8 x 13	19.5 SEER/12.5 EER/10.5 HSPF	33/33	54/55	31	135
		30	13 3/8 x 45 1/4 x 11	50 13/16 x 35 3/8 x 13	18.7 SEER/12.5 EER/11.7 HSPF	32/32	53/54	40	205
AFFHJ	9	23 5/8 x 29 1/8 x 7 7/8	24 7/16 x 31 1/8 x 11 7/16	26 SEER/16 EER/12.4 HSPF	23/23	50/50	31	86	
	12	23 5/8 x 29 1/8 x 7 7/8	24 7/16 x 31 1/8 x 11 7/16	22.7 SEER/13.1 EER/11.3 HSPF	23/23	52/52	31	86	
	15	23 5/8 x 29 1/8 x 7 7/8	24 7/16 x 31 1/8 x 11 7/16	20.3 SEER/12.5 EER/11 HSPF	23/23	54/54	31	88	
Multi-Zone Systems Indoor	AVFJ (Compact Wall Mount)	7	10 1/2 x 33 1/16 x 8	n/a	n/a	21/22	n/a	19	n/a
		9	10 1/2 x 33 1/16 x 8	n/a	n/a	21/22	n/a	19	n/a
		12	10 1/2 x 33 1/16 x 8	n/a	n/a	21/22	n/a	19	n/a
	AVFJ (Large Wall Mount)	15	10 1/2 x 33 1/16 x 8	n/a	n/a	25/27	n/a	19	n/a
		18	12 5/8 x 39 1/4 x 9	n/a	n/a	31/31	n/a	31	n/a
	AVFJ (Slim Duct)	24	12 5/8 x 39 1/4 x 9	n/a	n/a	33/33	n/a	31	n/a
		7	7 25/32 x 27 9/16 x 24 13/32	n/a	n/a	24/24	n/a	37	n/a
		9	7 25/32 x 27 9/16 x 24 13/32	n/a	n/a	25/24	n/a	41	n/a
		12	7 25/32 x 27 9/16 x 24 13/32	n/a	n/a	26/24	n/a	41	n/a
		18	7 25/32 x 35 7/16 x 24 13/32	n/a	n/a	29/29	n/a	50	n/a
	AVFJ (Compact Cassette)	24	7 25/32 x 43 5/16 x 24 13/32	n/a	n/a	29/29	n/a	59	n/a
		7	9 11/16 x 22 7/16 x 22 7/16	n/a	n/a	27/27	n/a	33	n/a
		9	9 11/16 x 22 7/16 x 22 7/16	n/a	n/a	27/27	n/a	33	n/a
		12	9 11/16 x 22 7/16 x 22 7/16	n/a	n/a	28/28	n/a	33	n/a
		18	9 11/16 x 22 7/16 x 22 7/16	n/a	n/a	29/30	n/a	33	n/a
		AVFJ (Floor Mount)	9	23 5/8 x 29 1/8 x 7 7/8	n/a	n/a	22/22	n/a	31
	12		23 5/8 x 29 1/8 x 7 7/8	n/a	n/a	22/22	n/a	31	n/a
	15		23 5/8 x 29 1/8 x 7 7/8	n/a	n/a	22/22	n/a	31	n/a
Multi-Zone Systems Outdoor	FXZHJ	18	n/a	32 11/16 x 35 7/16 x 13	n/a	n/a	48/50	n/a	134
		24	n/a	32 11/16 x 35 7/16 x 13	n/a	n/a	50/52	n/a	146
		36	n/a	39 5/16 x 38 3/16 x 14 9/16	n/a	n/a	53/55	n/a	205



## Warranty<sup>3</sup>

- **Standard Limited Warranty:** Parts – Five (5) Years, Compressor – Seven (7) Years
- **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.



<sup>1</sup>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. <sup>2</sup>Savings may vary based on model selected, hours of operation and geographical location. Example given based on 33-SEER system versus 14-SEER system. <sup>3</sup>For complete details of the limited and conditional warranties, including applicable terms and conditions, contact your local contractor or go to Ruud.com for a copy of the product warranty certificate. Conditional warranties must be registered through RegisterMyUnit.com.



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

Printed in the USA • 10/20 • QG • Form No. M22-7506

## RUUD ULTRA™ SERIES LOW TEMPERATURE HEATING DUCTLESS MINI-SPLIT SYSTEMS

Single-Zone Efficiencies up to:  
33 SEER / 18 EER / 14.2 HSPF  
Multi-Zone Efficiencies up to:  
21.5 SEER / 13.5 EER / 10.3 HSPF



### Ductless Technology

Ruud Ductless Mini-Splits are a convenient alternative in areas of the home where traditional ducted systems may not be an option. Setup and installation are quick and easy and won't take up closet or attic space.

### Year-Round Savings & Efficiency

They provide both heating and cooling for your home year-round. The high energy efficiencies of ductless mini-split systems slash utility bills by up to 24%<sup>2</sup>.

### Customized Comfort

With ductless mini-splits, one to five indoor units can be installed and 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.





# Get Comfortable—Wherever and Whenever

## Low-temp Heating Operations

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.

Low Temperature Heating Operation models feature an outdoor mini-split unit engineered to operate efficiently in temperatures down to -15°F. These units feature large heat exchangers and high capacity compressors. This gives our low temperature heating operation, ductless mini-split heat pump systems the ability to extract heat even at very low outdoor temperatures. These systems do not have a low temperature lockout, which means they will continue to heat even below -15°F as conditions allow. Other features that contribute to low temperature heating operation are:

- **Base Pan Heater** – The contoured base discharges melted water through drain holes. Without a heater, freezing condensate can cause noise, damage the fan blade and condenser, and negatively affect system performance.
- **Metal Fan Guards** – Low Temperature Heating Operation models have a metal fan guard, which is most capable of withstanding the colder elements.

## Energy Savings

Ductless mini-split systems save energy by drawing heat from the air outside and using it to heat your home. During summer, the process is reversed to cool your home. The result is efficiency that rivals traditional ducted systems and delivers up to 24% utility bill savings.

## Inverter Technology

Ruud® Ductless Mini-Split Systems deliver constant comfort using inverter technology. Inverter technology found in Ruud Mini-Splits is like cruise control for your heating or cooling system. Compressors only run as fast as they need to maintain the comfort setting you choose.

## Individual Zoning

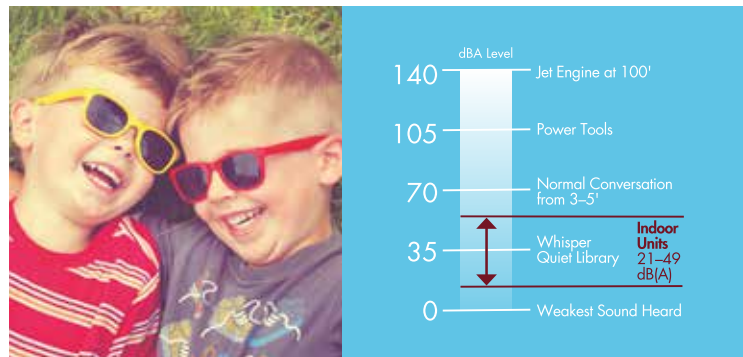
Delivering personalized whole-home comfort, Ductless Mini-Split Heat Pump Systems are some of today's most advanced forms of heating and cooling. One outdoor unit can operate up to five indoor units.

### Each Indoor Unit Can:

- Operate independently via remote control
- Supply both heating and cooling
- Provide high energy efficiencies
- Operate quietly
- Offer rebates

## Quiet Operation

Ruud ductless systems are so quiet, you won't even know they're on. You can sleep well at night in a comfortable, peaceful environment. Ruud Low Temp wall mount units feature Quiet Mode—an extra-quiet fan speed to ensure you are not disturbed.



## Versatility

Ductless mini-split systems work where traditional systems might not be an option:

- Older homes where ducting isn't possible
- Garages, workshops, sheds, additions and attics
- Rooms not covered by or under-served by a ducted system

Ductless systems are also an efficient heating and cooling solution for electrically heated homes. They are easy to operate, quiet and provide substantial savings.

Single-zone for one room or multi-zone for a whole home (up to five rooms)

## Indoor Unit Options

- Wall Mounted**
  - Mounts high on a wall, out of sight and does not require ductwork, increasing energy efficiency
- Floor Mounted**
  - Ideal for residential radiator replacements or any room with limited upper wall space, like a kitchen or sunroom
- Slim Duct**
  - Mounted in a ceiling or in a framed enclosure below a ceiling, slim duct units are concealed and out of sight
- Compact Cassette**
  - Extremely discreet, with only the grille showing in the ceiling, cassettes use the latest powerful turbo fan technology to distribute the conditioned air evenly



Ready to get a Ductless Mini-Split system? Visit [Ruud.com/MiniSplits](http://Ruud.com/MiniSplits) today to learn more.