

GENUINE & CUSTOMIZED

COMFORT FOR EVERY ROOM



Floating Air

VERSATILE, SUPER-EFFICIENT
& ULTRA-QUIET



RUUD® FLOATING AIR™ DUCTLESS MINI-SPLIT SYSTEMS

Home comfort has never been more convenient—or customizable. Engineered to match your exact heating and cooling preferences, Ruud® Floating Air™ Ductless Mini-split Systems are available in single- and multi-zone options. Plus, every unit offers high energy efficiencies and quiet operation, delivering year-round peace of mind.

RELY ON



Ruud.com/FloatingAir

WHY CHOOSE RUUD®

FLOATING AIR™ DUCTLESS MINI-SPLIT SYSTEMS

Designed to excel in both residential applications and light commercial applications, Ruud Floating Air mini-split systems can efficiently heat and cool one room or multiple rooms. With ductless systems you experience:



Zero Duct Loss

According to the DOE, ducted systems lose an average of 25–40% in performance due to leaks, cracks or disconnections in ductwork. No ductwork means that ductless systems do not experience duct loss, saving energy and money.



No Dirty Ducts

With a ductless system, there's no need to clean dirty air ducts that can harbor dust, germs and allergens.



Heating & Cooling Flexibility

Ruud Floating Air units are available in single-zone or multi-zone systems, making it easy to find the heating and cooling solution to best fit your needs.



Total Installation Flexibility

With Ruud Floating Air systems, you can mix and match your outdoor unit with various indoor unit types: wall-mounted, ceiling cassettes, The Insider® concealed ducted models, and even a ducted air handler.



Wall-mounted Units

Mount to the wall and include time-saving features to make installation and service faster and easier, ultimately saving you money.



Ceiling Cassette Units

Install in a drop-ceiling and mount flush to the ceiling for a clean look and efficient installation.



The Insider® Concealed Ducted Units

Install in the ceiling or furr down, providing hidden-from-sight comfort. In multi-zone systems, conditioned or non-conditioned air can be added to the ducting to allow fresh air into the conditioned space as desired.



Air Handler

In applications where ductwork makes the most sense, such as replacing an existing system, the **air handler option delivers the best of both worlds**—the convenience of whole-home comfort with the small space and low sound of a side-discharge outdoor unit. It can also be used in a multi-zone configuration with another indoor unit type(s) for additional flexibility.

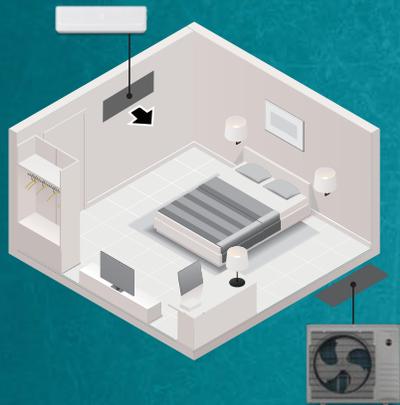
COMFORT CUSTOMIZED TO YOUR NEEDS



Comfort shouldn't be complicated. No matter what you're looking for, Ruud® Floating Air™ systems—both single-zone and multi-zone—are packed with industry-leading features to meet your unique temperature needs while delivering high efficiencies and energy cost savings.

Single-zone Systems

A single-zone system is best if you are looking to efficiently cool and heat a single room or space. Single-zone systems are a great alternative to traditional central HVAC systems.



Multi-zone Systems

A multi-zone system is best if you're looking for customized and efficient comfort for multiple rooms. Multi-zone systems allow you to set room-by-room temperature preferences for up to five zones. Plus, occupants can set the temperature of each zone to their preferred comfort level¹ or turn off units in unoccupied rooms without impacting other zones.



¹Multi-zone units cannot heat and cool simultaneously.



Easy Service & Maintenance

Designed with HVAC technicians in mind, wall-mounted units feature our PlusOne® **FastPro**®—which allows quick removal of the blower wheel assembly for easy maintenance, saving significant time on the job.



Precision Comfort

Floating Air units feature a Precision Inverter® compressor that ramps up quickly with Soft-Start™ technology to reach the indoor set temperature, then maintains precise temperature control for perfect comfort—and ongoing savings.



Built to Perform & Built to Last

All systems are designed to heat and cool efficiently—and select systems can operate efficiently in extreme temperatures, with cooling in ambient temperatures as low as 5°F and heating down to -22°F. Plus, all models feature Diamonblue™ Advanced Corrosion Protection, extending the unit's life.



Smart Control

Adjust the set point, schedule, control multiple units in unison, and more, at home with the included wireless remote or on the go with the convenience of the ComfortPro mobile app.

PRECISE PERFORMANCE & STATE-OF-THE-ART FEATURES

Floating Air™ mini-split systems are engineered to deliver precise comfort and are packed with features to help keep your environmental footprint and energy bills low.

Saving Energy While Maximizing Comfort

Traditional air conditioners have on/off compressors that result in wild temperature swings, inefficient energy use and hard stops/starts that may shorten the life of the unit.

The **Precision Inverter**® variable speed compressor adjusts up or down based on need, providing the user precise temperature control, exceptional energy efficiencies and dependably quiet operation.



**PRECISION
INVERTER**®

Automatically adjusts
its performance based
on the room's need.

At Home in the Extreme Cold

We designed Floating Air *Ultra*™ Series models to work all the way down to -22°F. So they're ready for whatever winter can dish out nearly everywhere. In fact, all *Ultra*™ Series models are ENERGY STAR® Cold Climate Heat Pump certified.

Sustainable Operation

All Floating Air models utilize low-GWP refrigerant, with *Achiever*® Series utilizing R-32 with a GWP of 675 and *Achiever Plus*® and *Ultra*™ Series utilizing R-454B with a GWP of 466. Plus, many models are ENERGY STAR® certified, providing even greater energy savings.



Built-in Wi-Fi Connectivity

- Available on all wall-mounted and ceiling cassette models
- Easy-to-use ComfortPro mobile app
- Create customizable, seven-day schedule
- Control with smartphone or wireless remote
- Voice Command with Amazon Alexa and Google Home



ComfortPRO
MOBILE APP

works with
Google Home

works with
alexa



Scan to Download App:
**APPLE APP
STORE**



Scan to Download App:
**GOOGLE PLAY
STORE**

EASY-TO-CLEAN DESIGN

FOR FAST SERVICING & GREATER SAVINGS

Save Time With PlusOne® *FastPro*® Easy-service Design

All wall-mounted units¹ feature alignment arrows to help contractors mark and drill holes with total confidence, while kickstands tilt the unit away from the wall, providing ample workspace. Floating Air units also feature:

MODULAR DRAIN PAN ASSEMBLY

Easy to remove for cleaning

QUICK ACCESS

Tangential blower and motor for easier repairs

CLEAR PIPING ACCESS

Simplifies maintenance tasks

WIRE TERMINAL BLOCKS

Easy to access for servicing

ONBOARD ERROR CODES

Ensure trouble-free operation

COMPLETE COIL ACCESS

For easy cleaning



**40%
FASTER²**
TO INSTALL



**50%
FASTER²**
TO SERVICE



**45%
FASTER²**
TO CLEAN

¹Excludes FAHSW36A3D. ²Faster than similar installation, cleaning and service performed on standard ductless wall-mounted units.



Simplified Troubleshooting

Diagnostics are faster, easier and more accurate with the built-in troubleshooting tool on Ruud multi-zone outdoor units, helping the contractor to save even more time.

We Thought of Everything... & Then Some

We evaluate every detail of a product from top to bottom, inside and out and every angle in between. That's 360°+1. And that's why you can count on these ductless mini-split systems to bring you and your family years of efficient and dependable comfort.

FIND THE LINE

THAT BEST SUITS YOUR NEEDS

We offer three exceptional lines of ductless mini-splits, each with unique features for simple installation, resulting in savings and easier maintenance visits. All models feature built-in Wi-Fi, auto restart, surge cool/heat, dry mode, auto clean and advanced corrosion protection.

GOOD | BETTER | BEST

Floating Air™ Ultra™ Series (Single- and Multi-zone)

The ultimate series with extreme operating ranges, extreme heat pump performance, high efficiencies, and available with three indoor installation options for both single- and multi-zone.



- Available in Wall-Mounted, Ceiling Cassette, The Insider® Concealed Ducted and as an Air Handler; Single-zone 9K–24K BTU, Multi-zone Outdoor Unit Capacities 18K–42K BTU
- Extreme cold climate heat pump performance: 100% of rated capacity at 5°F¹
- Extreme low ambient heat pump operation down to -22°F in Single-zone, and -13°F in Multi-zone
- All models ENERGY STAR® and ENERGY STAR® Cold Climate Heat Pump certified

GOOD | BETTER | BEST

Floating Air™ Achiever Plus® Series

This line delivers all the features of Floating Air Achiever® Series models plus higher efficiencies and extended operating capacities.

- Available in Single-zone, Wall-Mounted only, 9K–24K BTU
- Efficiencies up to 25 SEER2
- All models ENERGY STAR® and ENERGY STAR® Cold Climate Heat Pump certified



GOOD | BETTER | BEST

Floating Air™ Achiever® Series

This line is ideal if you're looking to heat and cool a single room and in the market for an affordable and efficient comfort solution.

- Available in Single-zone, Wall-Mounted only, 9K–36K BTU
- ENERGY STAR® certified models available²



¹Ultra Series Multi-zone 42K BTU models operate at 86% capacity at 5°F.

²Applies to FSHW091C and FSHW183D model sets.

See the below comparison chart to help you choose among Floating Air *Ultra*™ Series, *Achiever Plus*® Series and *Achiever*® Series systems:



| ZONES | SYSTEM TYPE | | | | | | | | |
|--|------------------------|-----------------------------|---------------------|---------------------|---------------------|---------------------|----------------------------------|----------------------------------|--------------------------------------|
| | WALL-MOUNTED | | | | CEILING CASSETTE | | CONCEALED DUCTED | | AIR HANDLER |
| | SINGLE-ZONE | | | MULTI-ZONE | SINGLE-ZONE | MULTI-ZONE | SINGLE-ZONE | MULTI-ZONE | MULTI-ZONE |
| Floating Air™ Series | <i>Achiever</i> Series | <i>Achiever Plus</i> Series | <i>Ultra</i> Series The Insider® | <i>Ultra</i> Series The Insider® | <i>Ultra</i> Series |
| PlusOne® <i>FastPro</i> ® Design | √* | √ | √ | √ | — | — | — | — | — |
| Built-in Wi-Fi Models, <i>ComfortPro</i> Mobile App | √ | √ | √ | √ | √ | √ | — | — | — |
| Available Voltage | 115V, 208/230V | 115V, 208/230V | 208/230V | 208/230V | 208/230V | 208/230V | 208/230V | 208/230V | 208/230V |
| SEER2 (Up To) | 21.0 | 25.0 | 22.0 | 23.0 | 20.0 | 23.0 | 19.5 | 19.0 | 19.0 |
| HSPF2 (Up To) | 9.8 | 11.0 | 10.5 | 10.0 | 10.5 | 10.0 | 9.5 | 9.4 | 9.4 |
| Low Ambient Cooling Operation | 5°F | 5°F | 5°F | 5°F | 5°F | 5°F | 5°F | 5°F | 5°F |
| Low Ambient Heating Operation | -5°F | -13°F | -22°F | -13°F | -22°F | -13°F | -22°F | -13°F | -13°F |
| <i>Diamonblue</i> ™ Advanced Corrosion Protection | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| Hard-wired Wall Controller Option with 7-day Programmability | √ | √ | √ | √ | √ | √ | Included | Included | Compatible with most 24V thermostats |
| Wireless Remote Control | Included | Included | Included | Included | Included | Included | — | — | — |
| Auto Changeover | √ | √ | √ | — | √ | — | √ | — | — |
| 4-Way Auto Swing | 2-way | √ | √ | √ | √ | √ | — | — | — |
| Washable Air Filter | √ | √ | √ | √ | √ | √ | √ | √ | — |

**FastPro*® not available on FAHSW36A3D.

Floating Air **ACHIEVER**® SERIES WALL-MOUNTED HEAT PUMPS
 FEATURING OUR PLUSONE® **FastPro**® EASY-SERVICE DESIGN

GOOD | BETTER | BEST

Key Features

- **FastPro**® design for the fastest access for maintenance of any wall-mounted ductless systems
- ENERGY STAR® certified models available*

- **Precision Inverter**® technology (variable speed compressor)
- **Soft-Start**™ compressor
- **BLDC** motor
- **Built-in Wi-Fi**

indicates sustainability feature

- **Sleep mode**
- Ultra quiet operation
- Easy-to-read temperature display
- Wireless remote control included
- Efficiencies of up to 21.0 SEER2



Single-zone

115 VOLT MODELS:



FAHSW09A1C, FAHSW12A1C



FHSR09B1C, FHSR12B1C

208/230 VOLT MODELS:



FAHFW18A3D, FAHFW24A3D



FHSR18B3D, FHSR24B3D



FAHSW36A3D
 (*FastPro*® not available on this model)



FHSR36B3D



*Applies to FSHW091C and FSHW183D model sets.

FLOATING AIR™ **ACHIEVER®** SERIES | SINGLE-ZONE | WALL-MOUNTED HEAT PUMPS

| MODEL | Model Set | Unit | FSHW091C | FSHW121C | FSHW183D | FSHW243D | FSHW363D |
|-----------------------------------|--|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | Indoor Model | | FAHSW09A1C | FAHSW12A1C | FAHFW18A3D | FAHFW24A3D | FAHSW36A3D |
| | Outdoor Model | | FSHSR09B1C | FSHSR12B1C | FSHSR18B3D | FSHSR24B3D | FSHSR36B3D |
| | Power Supply | V/Hz/ph | 115V~, 60Hz, 1P | | | 208V/230V~, 60Hz, 1P | |
| | ENERGY STAR® Standard | Y/N | Y | N | Y | N | N |
| | ENERGY STAR – Cold Climate | Y/N | N | N | N | N | N |
| COOLING | Rated Capacity @ 95°F | Btu/h | 9,000 | 12,000 | 18,000 | 24,000 | 34,600 |
| | Cooling Capacity Range (Min.–Max.) | Btu/h | 3,600–10,000 | 4,000–13,000 | 6,500–19,000 | 8,000–25,000 | 9,300–36,000 |
| | EER2 @ 95°F | Btu/h/W | 12.50 | 10.20 | 12.00 | 10.60 | 9.50 |
| | SEER2 | Btu/h/W | 20.00 | 18.00 | 21.00 | 19.50 | 20.00 |
| | Cooling Operating Range | °F | 5–118 | 5–118 | 5–118 | 5–118 | 5–118 |
| HEATING | Rated Capacity @ 47°F | Btu/h | 9,500 | 12,000 | 18,000 | 24,000 | 35,000 |
| | Heating Capacity Range (Min.–Max.) | Btu/h | 3,600–10,000 | 4,000–13,000 | 6,500–19,000 | 8,000–25,000 | 9,600–37,500 |
| | COP @ 47°F | W/W | 4.10 | 3.40 | 3.91 | 3.30 | 3.25 |
| | COP @ 5°F | W/W | 2.00 | 1.90 | 2.40 | 1.90 | 1.95 |
| | HSPF2 | Btu/h/W | 9.00 | 8.50 | 9.80 | 8.50 | 8.40 |
| | Rated Capacity Heating @ 17°F (-8.3°C) | Btu/h | 6,800 | 8,800 | 14,800 | 21,000 | 19,200 |
| | Maximum Heating Capacity @ 5°F (-15°C) | Btu/h | 6,000 | 7,500 | 15,000 | 18,500 | 20,000 |
| | Heating Operating Range | °F | -5–75 | -5–75 | -5–75 | -5–75 | -5–75 |
| INDOOR AIRFLOW | Air Circulation (Max./H/M/L) | ft³ CFM | 382/341/294/247 | 394/365/312/253 | 647/588/482/382 | 706/647/559/441 | 1,059/1,018/883/712 |
| | Sound Rating – Indoor (Max./H/M/L/Quiet) | dB(A) | 42/39/37/35/32 | 42/39/37/35/32 | 48/45/41/39/36 | 50/48/43/41/39 | 52/48/43/39/38 |
| INDOOR FAN MOTOR | Output | W | 46 | 46 | 35 | 35 | 70 |
| | Speed (High/Med/Low) | r/min | 1,100/940/800 | 1,154/992/800 | 1,100/960/800 | 1,200/1,040/880 | 1,060/930/810 |
| OUTDOOR AIRFLOW | Air Circulation (High) for Outdoor | ft³ CFM | 1,295 | 1,295 | 1,471 | 1,942 | 2,590 |
| | Sound Rating – Outdoor | dB(A) | 53.0 | 53.0 | 56.0 | 60.0 | 60.0 |
| OUTDOOR FAN MOTOR | Output | W | 36 | 36 | 60 | 102 | 102 |
| | Speed (High) | r/min | 850 | 880 | 840 | 880 | 900 |
| ELECTRICAL | Rated Current | Cooling (A) | 6.7 | 10.7 | 6.4 | 10.0 | 16.0 |
| | | Cooling (W) | 720 | 1,176 | 1,506 | 2,264 | 3,660 |
| | | Heating (A) | 6.2 | 9.6 | 8.1 | 9.5 | 14.2 |
| | | Heating (W) | 679 | 1,034 | 1,349 | 2,132 | 3,160 |
| | MOP (Rating of Overcurrent Protective Device) | A | 25 | 25 | 20 | 35 | 40 |
| | MCA (Minimum Circuit Ampacity) | A | 14.6 | 15.6 | 14.5 | 21.0 | 25.8 |
| Communication Wire Size and Type | | 4 × 14AWG | 4 × 14AWG | 4 × 14AWG | 4 × 14AWG | 4 × 14AWG | |
| REFRIGERATION (R-32) | Moisture Removal | pints/hr | 1.9 | 2.5 | 3.8 | 4.2 | 7.9 |
| | Refrigerant Charge Volume | oz. | 21.2 | 21.9 | 45.9 | 47.7 | 72.4 |
| | Liquid Pipe | in. | 1/4 | 1/4 | 1/4 | 3/8 | 3/8 |
| | Gas Pipe | in. | 3/8 | 3/8 | 1/2 | 5/8 | 5/8 |
| | Max. Pipe Length (Total) | ft. | 65.6 | 65.6 | 98.4 | 98.4 | 98.4 |
| | Max. Elevation (Indoor Units Higher Than Outdoor Unit) | ft. | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| | Pre-charge Pipe Length | ft. | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 |
| | Additional Refrigerant Charge per Foot After 25 ft. | oz./ft. | 0.22 | 0.22 | 0.22 | 0.32 | 0.43 |
| INDOOR UNIT DIMENSIONS & WEIGHTS | Dimension (W×H×D) | in. | 33-7/8×11-2/8×8-4/8 | 33-7/8×11-2/8×8-4/8 | 45-2/8×13-2/8×10-1/8 | 45-2/8×13-2/8×10-1/8 | 52-3/8×14-2/8×10-6/8 |
| | | mm | 860×285×216 | 860×285×216 | 1,148×336×256 | 1,148×336×256 | 1,330×363×274 |
| | Packing (L×H×W) | in. | 36-5/8×15×11-2/8 | 36-5/8×15×11-2/8 | 47-7/8×16-1/8×13 | 47-7/8×16-1/8×13 | 56-1/8×15-4/8×18-1/8 |
| | | mm | 930×285×380 | 930×285×380 | 1,215×330×410 | 1,215×330×410 | 1,425×395×460 |
| | Net Weight | lbs. | 22.1 | 22.05 | 32.0 | 34.2 | 40.8 |
| | | kg | 10.0 | 10.0 | 15.0 | 16.0 | 19.0 |
| | Shipping Weight | lbs. | 26.5 | 26.5 | 37.5 | 39.7 | 50.3 |
| | | kg | 12.0 | 12.0 | 17.0 | 18.0 | 23.0 |
| OUTDOOR UNIT DIMENSIONS & WEIGHTS | Dimension (W×H×D) | in. | 28-1/8×21-2/8×9-4/8 | 28-1/8×21-2/8×9-4/8 | 31-7/8×23×11 | 33-7/8×25-5/8×12-2/8 | 35-3/8×29-4/8×13-3/8 |
| | | mm | 715×540×240 | 715×540×240 | 810×585×280 | 860×650×310 | 900×750×340 |
| | Packing (L×H×W) | in. | 32-5/8×23-1/8×13-3/8 | 32-5/8×23-1/8×13-3/8 | 37×25-2/8×15-1/8 | 39-1/8×28-3/8×16-4/8 | 41-6/8×32-2/8×17-6/8 |
| | | mm | 830×588×340 | 830×588×340 | 940×640×385 | 995×720×420 | 1,060×820×450 |
| | Net Weight | lbs. | 52.9 | 57.3 | 86.0 | 101.4 | 121.3 |
| | | kg | 24.0 | 26.0 | 39.0 | 46.0 | 55.0 |
| | Shipping Weight | lbs. | 57.3 | 61.7 | 92.6 | 110.3 | 132.3 |
| | | kg | 26.0 | 28.0 | 42.0 | 50.0 | 60.0 |

Standard With Registration



Floating Air® **ACHIEVER PLUS®** SERIES WALL-MOUNTED HEAT PUMPS

FEATURING OUR PLUSONE® **FastPro®** EASY-SERVICE DESIGN

GOOD | **BETTER** | BEST

Key Features

- **FastPro®** design for the fastest access for maintenance of any wall-mounted ductless systems
- All models ENERGY STAR® and ENERGY STAR® Cold Climate Heat Pump certified

- **Precision Inverter®** technology (variable speed compressor)
- Soft-Start™ compressor
- BLDC motor
- Built-in Wi-Fi
- Sleep mode

• indicates sustainability feature

- Ultra quiet operation
- Low ambient heat pump operation down to -13°F
- Easy-to-read temperature display
- Wireless remote control included



Single-zone



FPHSR09A1C, FPHSR12A1C,
FPHSR09A3D, FPHSR12A3D



FPHSR18A3D



FPHSR24A3D



- Efficiencies of up to 25.0 SEER2
- Efficiencies of up to 11.0 HSPF2

115 VOLT MODELS:



FAHSW09A1C and FAHSW12A1C

208/230 VOLT MODELS:



FAHFW09A3D, FAHFW12A3D, FAHFW18A3D,
FAHFW24A3D



FLOATING AIR™ **ACHIEVER PLUS®** SERIES | SINGLE-ZONE | WALL-MOUNTED HEAT PUMPS

| MODEL | Model Set | Unit | FPHW091C | FPHW121C | FPHW093D | FPHW123D | FPHW183D | FPHW243D |
|-----------------------------------|--|-------------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|
| | Indoor Model | | FAHSW09A1C | FAHSW12A1C | FAHFW09A3D | FAHFW12A3D | FAHFW18A3D | FAHFW24A3D |
| | Outdoor Model | | FPHSR09A1C | FPHSR12A1C | FPHSR09A3D | FPHSR12A3D | FPHSR18A3D | FPHSR24A3D |
| | Power Supply | V/Hz/ph | 115V~, 60Hz, 1P | | | 208V/230V~, 60Hz, 1P | | |
| | ENERGY STAR® Standard | Y/N | Y | Y | Y | Y | Y | Y |
| | ENERGY STAR – Cold Climate | Y/N | Y | Y | Y | Y | Y | Y |
| COOLING | Rated Capacity @ 95°F | Btu/h | 9,000 | 12,000 | 9,000 | 12,000 | 18,000 | 24,000 |
| | Cooling Capacity Range (Min.–Max.) | Btu/h | 3,600–10,000 | 4,000–13,000 | 3,600–10,000 | 4,000–13,000 | 6,500–19,000 | 8,000–25,000 |
| | EER2 @ 95°F | Btu/h/W | 12.25 | 12.25 | 13.65 | 12.25 | 12.95 | 12.25 |
| | SEER2 | Btu/h/W | 23.00 | 22.00 | 25.00 | 23.00 | 21.00 | 22.50 |
| | Cooling Operating Range (Min.–Max.) | °F | 5–118 | 5–118 | 5–118 | 5–118 | 5–118 | 5–118 |
| HEATING | Rated Capacity @ 47°F | Btu/h | 9,500 | 12,000 | 9,000 | 12,000 | 18,000 | 24,000 |
| | Heating Capacity Range (Min.–Max.) | Btu/h | 3,600–10,000 | 4,000–13,000 | 3,600–10,000 | 4,000–13,000 | 6,500–19,000 | 8,000–25,000 |
| | COP @ 47°F | W/W | 3.98 | 3.98 | 4.00 | 3.80 | 3.70 | 3.60 |
| | COP @ 5°F | W/W | 1.90 | 1.90 | 2.10 | 2.00 | 1.90 | 1.80 |
| | HSPF2 | Btu/h/W | 10.00 | 9.50 | 11.00 | 10.00 | 10.00 | 9.50 |
| | Rated Capacity Heating @ 17°F (-8.3°C) | Btu/h | 9,500 | 9,300 | 9,000 | 10,800 | 18,000 | 22,000 |
| | Maximum Heating Capacity @ 5°F (-15°C) | Btu/h | 8,700 | 9,200 | 9,000 | 11,000 | 18,000 | 19,800 |
| | Maximum Heating Capacity @ -13F (-25°C) | Btu/h | 4,600 | 5,900 | 5,400 | 6,100 | 11,500 | 12,100 |
| | Heating Operating Range (Min.–Max.) | °F | -13–75 | -13–75 | -13–75 | -13–75 | -13–75 | -13–75 |
| INDOOR AIRFLOW | Air Circulation (Max./H/M/L) | ft³ CFM | 382/341/294/247 | 394/365/312/253 | 382/341/294/247 | 394/365/312/253 | 647/588/482/382 | 706/647/559/441 |
| | Sound Rating – Indoor (Max./H/M/L/Quiet) | dB(A) | 42/39/37/35/32 | 42/39/37/35/32 | 42/39/37/35/32 | 42/39/37/35/32 | 48/45/41/39/36 | 50/48/43/41/39 |
| INDOOR FAN MOTOR | Output | W | 46 | 46 | 25 | 25 | 35 | 35 |
| | Speed (High/Med/Low) | r/min | 1,100/940/800 | 1,154/992/800 | 1,101/938/800 | 1,154/992/800 | 1,100/960/800 | 1,200/1,040/880 |
| OUTDOOR AIRFLOW | Air Circulation (High) for Outdoor | ft³ CFM | 1,471 | 1,471 | 1,471 | 1,471 | 1,942 | 2,531 |
| | Sound Rating – Outdoor | dB(A) | 53.0 | 53.0 | 53.0 | 53.0 | 58.0 | 61.0 |
| OUTDOOR FAN MOTOR | Output | W | 36 | 36 | 36 | 36 | 60 | 102 |
| | Speed (High) | r/min | 850 | 880 | 880 | 880 | 840 | 880 |
| ELECTRICAL | Rated Current | Cooling (A) | 6.0 | 6.0 | 2.5 | 4.3 | 6.1 | 8.7 |
| | | Cooling (W) | 641 | 980 | 659 | 980 | 1,390 | 1,959 |
| | | Heating (A) | 6.4 | 6.4 | 3.1 | 4.1 | 6.5 | 9.3 |
| | | Heating (W) | 696 | 960 | 659 | 926 | 1,426 | 1,954 |
| | MOP (Rating of Overcurrent Protective Device) | A | 25 | 25 | 15 | 15 | 30 | 35 |
| | MCA (Minimum Circuit Ampacity) | A | 16.0 | 16.0 | 9.5 | 10.5 | 20.0 | 22.0 |
| Communication Wire Size and Type | | 4 × 14AWG | 4 × 14AWG | 4 × 14AWG | 4 × 14AWG | 4 × 14AWG | 4 × 14AWG | |
| REFRIGERATION (R-454B) | Moisture Removal | pints/hr | 1.9 | 2.5 | 1.9 | 2.5 | 3.2 | 4.7 |
| | Refrigerant Charge Volume | oz. | 33.5 | 35.3 | 35.3 | 38.1 | 53.0 | 70.6 |
| | Liquid Pipe | in. | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3/8 |
| | Gas Pipe | in. | 3/8 | 3/8 | 3/8 | 3/8 | 1/2 | 5/8 |
| | Max. Pipe Length (Total) | ft. | 65.6 | 65.6 | 65.6 | 65.6 | 98.4 | 98.4 |
| | Max. Elevation (Indoor Units Higher Than Outdoor Unit) | ft. | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| | Pre-charge Pipe Length | ft. | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 |
| | Additional Refrigerant Charge per Foot After 25 ft. | oz./ft. | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.32 |
| INDOOR UNIT DIMENSIONS & WEIGHTS | Dimension (W×H×D) | in. | 33-7/8×11-2/8×8-4/8 | 33-7/8×11-2/8×8-4/8 | 33-7/8×11-2/8×8-4/8 | 33-7/8×11-2/8×8-4/8 | 45-2/8×13-2/8×10-1/8 | 45-2/8×13-2/8×10-1/8 |
| | | mm | 860×285×216 | 860×285×216 | 860×285×216 | 860×285×216 | 1,148×336×256 | 1,148×336×256 |
| | Packing (L×H×W) | in. | 36-5/8×15×11-2/8 | 36-5/8×15×11-2/8 | 36-5/8×15×11-2/8 | 36-5/8×15×11-2/8 | 47-7/8×16-1/8×13 | 47-7/8×16-1/8×13 |
| | | mm | 930×380×285 | 930×380×285 | 930×380×285 | 930×380×285 | 1,215×410×330 | 1,425×460×395 |
| | Net Weight | lbs. | 22.1 | 22.05 | 22.1 | 22.05 | 34.2 | 34.2 |
| | | kg | 10.0 | 10.0 | 10.0 | 10.0 | 16.0 | 16.0 |
| Shipping Weight | lbs. | 26.5 | 26.5 | 26.5 | 26.5 | 39.7 | 39.7 | |
| | kg | 12.0 | 12.0 | 12.0 | 12.0 | 18.0 | 18.0 | |
| OUTDOOR UNIT DIMENSIONS & WEIGHTS | Dimension (W×H×D) | in. | 31-7/8×23×11 | 31-7/8×23×11 | 31-7/8×23×11 | 31-7/8×23×11 | 33-7/8×25-5/8×12-2/8 | 35-3/8×29-4/8×13-3/8 |
| | | mm | 810×585×280 | 810×585×280 | 810×585×280 | 810×585×280 | 860×650×310 | 900×750×340 |
| | Packing (L×H×W) | in. | 37×24-6/8×15-1/8 | 37×24-6/8×15-1/8 | 37×24-6/8×15-1/8 | 37×24-6/8×15-1/8 | 39-1/8×28-3/8×16-4/8 | 41-6/8×32-2/8×17-6/8 |
| | | mm | 940×630×385 | 940×630×385 | 940×630×385 | 940×630×385 | 995×720×420 | 1,060×820×450 |
| | Net Weight | lbs. | 75.0 | 77.2 | 70.6 | 70.6 | 97.0 | 112.5 |
| | | kg | 34.0 | 35.0 | 32.0 | 32.0 | 44.0 | 51.0 |
| Shipping Weight | lbs. | 86.0 | 86.0 | 81.6 | 81.6 | 105.8 | 121.3 | |
| | kg | 39.0 | 39.0 | 37.0 | 37.0 | 48.0 | 55.0 | |

Standard With Registration





ULTRA™ SERIES WALL-MOUNTED HEAT PUMPS

FEATURING OUR PLUSONE® **FastPro**® EASY-SERVICE DESIGN

GOOD | BETTER | BEST

Key Features

- **FastPro**® design for the fastest access for maintenance of any wall-mounted ductless systems
- All models ENERGY STAR® and ENERGY STAR® Cold Climate Heat Pump certified

- **Precision Inverter**® technology (variable speed compressor)
- **Soft-Start**™ compressor
- BLDC motor
- Built-in Wi-Fi
- Sleep mode
- Ultra quiet operation

indicates sustainability feature

- Extreme cold climate heat pump performance: 100% of rated capacity at 5°F*
- Extreme low ambient heat pump operation
- Easy-to-read temperature display
- Wireless remote control included



*Ultra Series Multi-zone 42K BTU models operate at 86% capacity at 5°F.



Single-zone



FPHFR09A3D, FPHFR12A3D

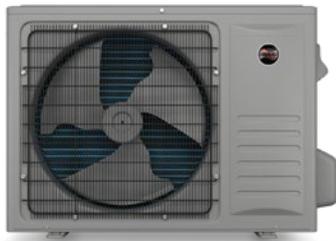


FPHFR18A3D, FPHFR24A3D



- Low ambient heat pump operation down to -22°F
- Low ambient cooling operation down to 5°F
- Low temperature compressor start-up protection

Multi-zone



FPHMR18A3D



FPHMR27A3D, FPHMR36A3D, FPHMR42A3D



- Low ambient heat pump operation down to -13°F
- Low ambient cooling operation down to 5°F
- Low temperature compressor start-up protection

208/230 VOLT MODELS:



FAHMW07A3D, FAHFW09A3D, FAHFW12A3D, FAHFW18A3D, FAHFW24A3D



FLOATING AIR™ ULTRA™ SERIES | SINGLE-ZONE | WALL-MOUNTED HEAT PUMPS

| MODEL | Model Set | Unit | FXHW093D | FXHW123D | FXHW183D | FXHW243D |
|---|--|-------------|----------------------|---------------------|----------------------|----------------------|
| | Indoor Model | | FAHFW09A3D | FAHFW12A3D | FAHFW18A3D | FAHFW24A3D |
| | Outdoor Model | | FPHFR09A3D | FPHFR12A3D | FPHFR18A3D | FPHFR24A3D |
| | Power Supply | V/Hz/ph | 208V/230V~, 60Hz, 1P | | | |
| | ENERGY STAR® Standard | Y/N | Y | Y | Y | Y |
| | ENERGY STAR – Cold Climate | Y/N | Y | Y | Y | Y |
| COOLING | Rated Capacity @ 95°F | Btu/h | 9,000 | 12,000 | 18,000 | 24,000 |
| | Cooling Capacity Range (Min.–Max.) | Btu/h | 4,600–12,700 | 4,600–12,700 | 7,800–22,000 | 10,000–28,000 |
| | EER2 @ 95°F | Btu/h/W | 12.00 | 12.00 | 12.00 | 12.00 |
| | SEER2 | Btu/h/W | 22.00 | 22.00 | 21.00 | 21.00 |
| | Cooling Operating Range (Min.–Max.) | °F | 5–125 | 5–125 | 5–125 | 5–125 |
| HEATING | Rated Capacity @ 47°F | Btu/h | 9,000 | 12,000 | 18,000 | 24,000 |
| | Heating Capacity Range (Min.–Max.) | Btu/h | 5,500–16,000 | 5,500–16,000 | 7,800–23,000 | 6,700–30,000 |
| | COP @ 47°F | W/W | 12.00 | 12.00 | 3.66 | 3.52 |
| | COP @ 5°F | W/W | 1.80 | 1.80 | 1.80 | 1.80 |
| | HSPF2 | Btu/h/W | 10.50 | 10.50 | 10.00 | 10.00 |
| | Rated Capacity Heating @ 17°F (-8.3°C) | Btu/h | 6,500 | 8,700 | 14,100 | 19,100 |
| | Maximum Heating Capacity @ 5°F (-15°C) | Btu/h | 12,000 | 12,000 | 18,000 | 24,000 |
| | Maximum Heating Capacity @ -13°F (-25°C) | Btu/h | 8,400 | 8,400 | 12,600 | 16,200 |
| Heating Operating Range (Min.–Max.) | °F | -22–75 | -22–75 | -22–75 | -22–75 | |
| INDOOR AIRFLOW | Air Circulation (Max./H/M/L) | ft³ CFM | 382/341/294/247 | 394/365/312/253 | 647/588/482/382 | 706/647/559/441 |
| | Sound Rating – Indoor (Max./H/M/L/Quiet) | dB(A) | 42/39/37/35/32 | 42/39/37/35/32 | 48/45/41/39/36 | 50/48/43/41/39 |
| INDOOR FAN MOTOR | Output | W | 25 | 25 | 35 | 35 |
| | Speed (High/Med/Low) | r/min | 1,100/938/800 | 1,154/992/800 | 1,100/960/800 | 1,200/1,040/880 |
| OUTDOOR AIRFLOW | Air Circulation (High) for Outdoor | ft³ CFM | 1,354 | 1,354 | 1,853 | 2,235 |
| | Sound Rating – Outdoor | dB(A) | 64.0 | 64.0 | 68.0 | 71.0 |
| OUTDOOR FAN MOTOR | Output | W | 40 | 40 | 60 | 110 |
| | Speed (High) | r/min | 880 | 880 | 880 | 870 |
| ELECTRICAL | Rated Current | Cooling (A) | 3.9 | 4.5 | 6.7 | 8.9 |
| | | Cooling (W) | 750 | 1,000 | 1,500 | 2,000 |
| | | Heating (A) | 3.9 | 4.5 | 6.4 | 8.5 |
| | | Heating (W) | 750 | 1,000 | 1,440 | 2,069 |
| | MOP (Rating of Overcurrent Protective Device) | A | 20 | 20 | 25 | 30 |
| | MCA (Minimum Circuit Ampacity) | A | 12.0 | 12.0 | 16.0 | 22.0 |
| Communication Wire Size and Type | | 4 × 14AWG | 4 × 14AWG | 4 × 14AWG | 4 × 14AWG | |
| REFRIGERATION (R-454B) | Moisture Removal | pints/hr | 2.4 | 3.7 | 4.2 | 6.3 |
| | Refrigerant Charge Volume | oz. | 38.1 | 38.1 | 56.4 | 74.1 |
| | Liquid Pipe | in. | 1/4 | 1/4 | 1/4 | 3/8 |
| | Gas Pipe | in. | 3/8 | 3/8 | 1/2 | 5/8 |
| | Max. Pipe Length (Total) | ft. | 130.0 | 130.0 | 150.0 | 165.0 |
| | Max. Elevation (Indoor Units Higher Than Outdoor Unit) | ft. | 50.0 | 50.0 | 80.0 | 100.0 |
| | Pre-charge Pipe Length | ft. | 25.0 | 25.0 | 25.0 | 25.0 |
| Additional Refrigerant Charge per Foot After 25 ft. | oz./ft. | 0.16 | 0.16 | 0.16 | 0.38 | |
| INDOOR UNIT DIMENSIONS & WEIGHTS | Dimension (W×H×D) | in. | 33-7/8×11-2/8×8-4/8 | 33-7/8×11-2/8×8-4/8 | 45-2/8×13-2/8×10-1/8 | 45-2/8×13-2/8×10-1/8 |
| | | mm | 860×285×216 | 860×285×216 | 1,148×336×256 | 1,148×336×256 |
| | Packing (L×H×W) | in. | 36-5/8×15×11-2/8 | 36-5/8×15×11-2/8 | 47-7/8×16-1/8×13 | 47-7/8×16-1/8×13 |
| | | mm | 930×380×285 | 930×380×285 | 1,215×410×330 | 1,215×410×330 |
| | Net Weight | lbs. | 22.1 | 22.05 | 34.2 | 34.2 |
| | | kg | 10.0 | 10.0 | 15.5 | 15.5 |
| Shipping Weight | lbs. | 26.5 | 26.5 | 39.7 | 39.7 | |
| | kg | 12.0 | 12.0 | 18.0 | 18.0 | |
| OUTDOOR UNIT DIMENSIONS & WEIGHTS | Dimension (W×H×D) | in. | 31-7/8×22-7/8×11 | 31-7/8×22-7/8×11 | 33-7/8×26-3/8×12-1/4 | 35-3/8×29-1/2×13-3/8 |
| | | mm | 810×580×280 | 810×580×280 | 860×670×310 | 900×750×340 |
| | Packing (L×H×W) | in. | 37×16-1/2×25-1/4 | 37×16-1/2×25-1/4 | 39×17-3/4×28-3/4 | 41×32-5/8×18-1/8 |
| | | mm | 940×420×640 | 940×420×640 | 990×450×730 | 1,040×830×460 |
| | Net Weight | lbs. | 79.4 | 79.4 | 97.0 | 116.8 |
| | | kg | 36.0 | 36.0 | 46.0 | 53.0 |
| Shipping Weight | lbs. | 86.0 | 86.0 | 105.8 | 125.7 | |
| | kg | 39.0 | 39.0 | 50.0 | 57.0 | |

Standard With Registration



FLOATING AIR™ ULTRA™ SERIES | MULTI-ZONE | WALL-MOUNTED HEAT PUMPS

| MODEL | Indoor Model | Unit | FAHMMW07A3D | FAHFW09A3D | FAHFW12A3D | FAHFW18A3D | FAHFW24A3D |
|----------------------|--|---------|---------------------|---------------------|---------------------|----------------------|----------------------|
| | Power Supply | V/ph/Hz | 208V/230V~,60Hz,1P | | | | |
| COOLING | Rated Capacity @ 95°F | Btu/h | 7,000 | 9,000 | 12,000 | 18,000 | 24,000 |
| | Cooling Capacity Range (Min.–Max.) | Btu/h | 3,600–10,000 | 4,600–12,700 | 4,600–12,700 | 7,800–22,000 | 10,000–28,000 |
| HEATING | Rated Capacity @ 47°F | Btu/h | 8,500 | 9,000 | 12,000 | 18,000 | 24,000 |
| | Heating Capacity Range (Min.–Max.) | Btu/h | 3,600–10,000 | 5,500–16,000 | 5,500–16,000 | 7,800–23,000 | 6,700–30,000 |
| AIRFLOW | Air Circulation (Max./H/M/L) | ft³ CFM | 382/341/294/247 | 382/341/294/247 | 394/365/312/253 | 647/588/482/382 | 706/647/559/441 |
| | Sound Rating – Indoor (Max./H/M/L/Quiet) | dB(A) | 42/39/37/35/32 | 42/39/37/35/32 | 42/39/37/35/32 | 48/45/41/39/36 | 50/48/43/41/39 |
| FAN MOTOR | Output | W | 25 | 25 | 25 | 35 | 35 |
| | Speed (High/Med/Low) | r/min | 1,101/938/800 | 1,100/938/800 | 1,154/992/800 | 1,100/960/800 | 1,200/1,040/880 |
| DIMENSIONS & WEIGHTS | Dimension (W×H×D) | in. | 33-7/8×11-2/8×8-4/8 | 33-7/8×11-2/8×8-4/8 | 33-7/8×11-2/8×8-4/8 | 45-2/8×13-2/8×10-1/8 | 45-2/8×13-2/8×10-1/8 |
| | | mm | 860×285×216 | 860×285×216 | 860×285×216 | 1,148×336×256 | 1,148×336×256 |
| | Packing (L×H×W) | in. | 36-5/8×15×11-2/8 | 36-5/8×15×11-2/8 | 36-5/8×15×11-2/8 | 47-7/8×16-1/8×13 | 47-7/8×16-1/8×13 |
| | | mm | 930×380×285 | 930×380×285 | 930×380×285 | 1,215×410×330 | 1,215×410×330 |
| | Net Weight | lbs. | 22.1 | 22.1 | 22.1 | 34.2 | 34.2 |
| | | kg | 10.0 | 10.0 | 10.0 | 15.5 | 15.5 |
| | Shipping Weight | lbs. | 26.5 | 26.5 | 26.5 | 39.7 | 39.7 |
| | | kg | 12.0 | 12.0 | 12.0 | 18.0 | 18.0 |



FLOATING AIR™ ULTRA™ SERIES | MULTI-ZONE | OUTDOOR UNITS

For Outdoor Model Specs, see page 22.



ULTRA™ SERIES CEILING CASSETTE HEAT PUMPS

GOOD | BETTER | BEST

Key Features

- All models ENERGY STAR® and ENERGY STAR® Cold Climate Heat Pump certified
- Precision Inverter®** technology (variable speed compressor)

- Soft-Start™ compressor
- BLDC motor
- Built-in Wi-Fi
- Sleep mode
- 3 fan speeds
- Ultra-quiet turbo fan

indicates sustainability feature

- Precise 4-way air distribution
- Evaporator frost control
- Built-in drain lift
- Flexible installation
- Clean, modern look
- Wireless remote control included



Single-zone



FPHFR09A3D, FPHFR12A3D



FPHFR18A3D, FPHFR24A3D, FPHFR36A3D



- Low ambient heat pump operation down to -22°F
- Low ambient cooling operation down to 5°F
- Low temperature compressor start-up protection

Multi-zone



FPHMR18A3D



FPHMR27A3D, FPHMR36A3D, FPHMR42A3D



- Low ambient heat pump operation down to -22°F
- Low ambient cooling operation down to 5°F
- Low temperature compressor start-up protection

Cassettes



FPHFC09A3D, FPHFC12A3D



FPHFC18A3D, FPHFC24A3D, FPHSC36A3D



NOTE: Images include cassette and grilles—sold separately. See next page.



FLOATING AIR™ ULTRA™ SERIES | SINGLE-ZONE | CEILING CASSETTE HEAT PUMPS

| MODEL | Model Set | | Unit | FPHC093D | FPHC123D | FPHC183D | FPHC243D | FPHC363D |
|-----------------------------------|--|------|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | Indoor Model | | | FPHFC09A3D | FPHFC12A3D | FPHFC18A3D | FPHFC24A3D | FPHSC36A3D |
| | Outdoor Model | | | FPHFR09A3D | FPHFR12A3D | FPHFR18A3D | FPHFR24A3D | FPHFR36A3D |
| | Power Supply | | V/Hz/ph | 208V/230V~, 60Hz, 1P | | | | |
| | ENERGY STAR® Standard | | Y/N | Y | Y | Y | Y | Y |
| | ENERGY STAR – Cold Climate | | Y/N | Y | Y | Y | Y | Y |
| COOLING | Rated Capacity @ 95°F | | Btu/h | 9,000 | 12,000 | 18,000 | 24,000 | 36,000 |
| | Cooling Capacity Range (Min.–Max.) | | Btu/h | 4,300–14,500 | 4,300–14,500 | 7,800–24,000 | 9,000–30,000 | 12,000–45,000 |
| | EER2 @ 95°F | | Btu/h/W | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 |
| | SEER2 | | Btu/h/W | 20.00 | 20.00 | 20.00 | 20.00 | 19.50 |
| | Cooling Operating Range (Min.–Max.) | | °F | 5–125 | 5–125 | 5–125 | 5–125 | 5–125 |
| HEATING | Rated Capacity @ 47°F | | Btu/h | 9,000 | 12,000 | 18,000 | 24,000 | 36,000 |
| | Heating Capacity Range (Min.–Max.) | | Btu/h | 5,500–18,000 | 5,500–18,000 | 8,500–24,000 | 7,500–34,000 | 11,000–45,000 |
| | COP @ 47°F | | W/W | 3.52 | 3.52 | 3.38 | 3.52 | 3.70 |
| | COP @ 5°F | | W/W | 1.80 | 1.80 | 2.00 | 2.00 | 2.00 |
| | HSPF2 | | Btu/h/W | 9.50 | 9.50 | 10.00 | 10.50 | 9.50 |
| | Rated Capacity Heating @ 17°F (-8.3°C) | | Btu/h | 8,900 | 8,900 | 14,100 | 19,100 | 25,500 |
| | Maximum Heating Capacity @ 5°F (-15°C) | | Btu/h | 12,000 | 12,000 | 18,000 | 24,000 | 36,000 |
| | Maximum Heating Capacity @ -13°F (-25°C) | | Btu/h | 8,400 | 8,400 | 12,600 | 16,200 | 25,200 |
| | Heating Operating Range (Min.–Max.) | | °F | -22–75 | -22–75 | -22–75 | -22–75 | -22–75 |
| INDOOR AIRFLOW | Air Circulation (Max./H/M/L) | | ft³ CFM | 341/341/294/235 | 341/341/294/235 | 643/643/554/465 | 706/706/588/494 | 1,030/1,030/883/736 |
| | Sound Rating – Indoor (High) | | dB(A) | 52 | 52 | 50 | 53 | 60 |
| INDOOR FAN MOTOR | Output | | W | 57 | 57 | 75 | 75 | 106 |
| | Speed (High/Medium/Low) | | r/min | 700/600/500 | 700/600/500 | 420/380/320 | 470/400/340 | 660/560/480 |
| OUTDOOR AIRFLOW | Air Circulation (High) for Outdoor | | ft³ CFM | 1,354 | 1,354 | 1,853 | 2,235 | 3,350 |
| | Sound Rating – Outdoor | | dB(A) | 64.0 | 64.0 | 68.0 | 71.0 | 74.0 |
| OUTDOOR FAN MOTOR | Output | | W | 40 | 40 | 60 | 110 | 250 |
| | Speed (High) | | r/min | 880 | 880 | 880 | 870 | 850 |
| ELECTRICAL | Rated Current | | Cooling (A) | 3.00 | 4.30 | 6.30 | 8.50 | 14.20 |
| | | | Cooling (W) | 750 | 1,000 | 1,500 | 2,000 | 3,000 |
| | | | Heating (A) | 3.00 | 4.25 | 6.78 | 8.50 | 13.50 |
| | | | Heating (W) | 750 | 1,000 | 1,560 | 2,000 | 2,850 |
| | MOP (Rating of Overcurrent Protective Device) | | A | 20 | 20 | 25 | 30 | 50 |
| | MCA (Minimum Circuit Ampacity) | | A | 12 | 12 | 16 | 22 | 30 |
| Communication Wire Size and Type | | | 4 × 14AWG | 4 × 14AWG | 4 × 14AWG | 4 × 14AWG | 4 × 14AWG | |
| REFRIGERATION (R-454B) | Moisture Removal | | pints/hr | 1.96 | 3.14 | 4.22 | 6.26 | 9.55 |
| | Refrigerant Charge Volume | | oz. | 38.1 | 38.1 | 56.4 | 74.1 | 112.8 |
| | Liquid Pipe | | in. | 1/4 | 1/4 | 1/4 | 3/8 | 3/8 |
| | Gas Pipe | | in. | 3/8 | 3/8 | 1/2 | 5/8 | 5/8 |
| | Max. Pipe Length (Total) | | ft. | 130 | 130 | 150 | 165 | 164 |
| | Max. Elevation (Indoor Units Higher Than Outdoor Unit) | | ft. | 50 | 50 | 80 | 100 | 98 |
| | Pre-charge Pipe Length | | ft. | 25 | 25 | 25 | 25 | 25 |
| | Additional Refrigerant Charge per Foot After 25 ft. | | oz./ft. | 0.16 | 0.16 | 0.16 | 0.38 | 0.38 |
| INDOOR UNIT DIMENSIONS & WEIGHTS | Dimension (W×H×D) | | in. | 22-1/2×8-1/2×22-1/2 | 22-1/2×8-1/2×22-1/2 | 33-1/8×9-1/4×33-1/8 | 33-1/8×9-1/4×33-1/8 | 33-1/8×10-3/4×33-1/8 |
| | | | mm | 570×215×570 | 570×215×570 | 840×236×840 | 840×236×840 | 840×272×840 |
| | Packing (L×W×H) | | in. | 28-3/4×26-1/4×11-1/2 | 28-3/4×26-1/4×11-1/2 | 37-3/8×12-5/8×37-3/8 | 37-3/8×12-5/8×37-3/8 | 37-3/8×14-1/8×37-3/8 |
| | | | mm | 730×668×292 | 730×668×292 | 950×320×950 | 950×320×950 | 950×360×950 |
| | Net Weight | | lbs. | 34.2 | 34.2 | 52.9 | 52.9 | 57.3 |
| | | | kg | 15.5 | 15.5 | 24.0 | 24.0 | 26.0 |
| Shipping Weight | | lbs. | 40.8 | 40.8 | 63.9 | 63.9 | 70.6 | |
| | | kg | 18.5 | 18.5 | 29.0 | 29.0 | 32.0 | |
| OUTDOOR UNIT DIMENSIONS & WEIGHTS | Dimension (W×H×D) | | in. | 31-7/8×22-7/8×11 | 31-7/8×22-7/8×11 | 33-7/8×26-3/8×12-1/4 | 35-3/8×29-1/2×13-3/8 | 43-1/4×34-1/2×17-3/4 |
| | | | mm | 810×580×280 | 810×580×280 | 860×670×310 | 900×750×340 | 1,100×875×450 |
| | Packing (L×W×H) | | in. | 37×16-1/2×25-1/4 | 37×16-1/2×25-1/4 | 39×17-3/4×28-3/4 | 41×32-5/8×18-1/8 | 45-7/8×39-1/2×21-1/4 |
| | | | mm | 940×420×640 | 940×420×640 | 990×730×450 | 1,040×830×460 | 1,165×1,005×540 |
| | Net Weight | | lbs. | 79.4 | 79.4 | 103.6 | 123.4 | 185.2 |
| | | | kg | 36.0 | 36.0 | 47.0 | 56.0 | 84.0 |
| Shipping Weight | | lbs. | 86.0 | 86.0 | 111.3 | 132.3 | 209.4 | |
| | | kg | 39.0 | 39.0 | 50.5 | 60.0 | 95.0 | |
| GRILLE DIMENSIONS & WEIGHTS | Dimension (W×H×D) | | in. | 24-3/8×1-5/8×24-3/8 | 24-3/8×1-5/8×24-3/8 | 37-3/8×2×37-3/8 | 37-3/8×2×37-3/8 | 37-3/8×2×37-3/8 |
| | | | mm | 620×40×620 | 620×40×620 | 950×50×950 | 950×50×950 | 950×50×950 |
| | Packing (L×W×H) | | in. | 27-1/8×26-3/4×4-1/2 | 27-1/8×26-3/4×4-1/2 | 40-1/8×39-3/8×4-1/8 | 40-1/8×39-3/8×4-1/8 | 40-1/8×39-3/8×4-1/8 |
| | | | mm | 690×680×115 | 690×680×115 | 1,020×1,000×105 | 1,020×1,000×105 | 1,020×1,000×105 |
| | Net Weight | | lbs. | 5.7 | 5.7 | 14.3 | 14.3 | 14.3 |
| | | | kg | 2.6 | 2.6 | 6.5 | 6.5 | 6.5 |
| Shipping Weight | | lbs. | 9.9 | 9.9 | 19.8 | 19.8 | 19.8 | |
| | | kg | 4.5 | 4.5 | 9.0 | 9.0 | 9.0 | |



Ceiling Cassette Grilles
(Required – Not Included)



FPCG0912A

FPCG182436A

DECORATIVE GRILLE

FPCG0912A

FPCG182436A

FITS
FPHFC09A3D,
FPHFC12A3D

FITS
FPHFC18A3D,
FPHFC24A3D,
FPHFC36A3D

Standard With Registration

7YR. PARTS WARRANTY | 10YR. COMPRESSOR WARRANTY | 10YR. PARTS WARRANTY | 10YR. COMPRESSOR WARRANTY

FLOATING AIR™ ULTRA™ SERIES | MULTI-ZONE | CEILING CASSETTE HEAT PUMPS

| MODEL | Indoor Model | Unit | FPHFC09A3D | FPHFC12A3D | FPHFC18A3D | FPHFC24A3D |
|----------------------|------------------------------------|--------------|----------------------|----------------------|----------------------|----------------------|
| | | Power Supply | V/ph/Hz | 208V/230V~, 60Hz, 1P | | |
| COOLING | Rated Capacity @ 95°F | Btu/h | 9,000 | 12,000 | 18,000 | 24,000 |
| | Cooling Capacity Range (Min.–Max.) | Btu/h | 4,300–14,500 | 4,300–14,500 | 7,800–24,000 | 9,000–30,000 |
| HEATING | Rated Capacity @ 47°F | Btu/h | 9,000 | 12,000 | 18,000 | 24,000 |
| | Heating Capacity Range (Min.–Max.) | Btu/h | 5,500–18,000 | 5,500–18,000 | 8,500–24,000 | 7,500–34,000 |
| AIRFLOW | Air Circulation (H/M/L) | ft³ CFM | 341/341/294/235 | 341/341/294/235 | 643/643/554/465 | 706/706/588/494 |
| | Sound Rating – Indoor (H/M/L) | dB(A) | 52 | 52 | 50 | 53 |
| FAN MOTOR | Output | W | 57 | 57 | 75 | 75 |
| | Speed (High/Med/Low) | r/min | 700/600/500 | 700/600/500 | 420/380/320 | 470/400/340 |
| DIMENSIONS & WEIGHTS | Dimension (W×H×D) | in. | 22-1/2×8-1/2×22-1/2 | 22-1/2×8-1/2×22-1/2 | 33-1/8×9-1/4×33-1/8 | 33-1/8×9-1/4×33-1/8 |
| | | mm | 570×215×570 | 570×215×570 | 840×236×840 | 840×236×840 |
| | Packing (L×W×H) | in. | 28-3/4×26-1/4×11-1/2 | 28-3/4×26-1/4×11-1/2 | 37-3/8×12-5/8×37-3/8 | 37-3/8×12-5/8×37-3/8 |
| | | mm | 730×668×292 | 730×668×292 | 950×950×320 | 950×950×320 |
| | Net Weight | lbs. | 34.2 | 34.2 | 52.9 | 52.9 |
| | | kg | 15.5 | 15.5 | 24.0 | 24.0 |
| | Shipping Weight | lbs. | 40.8 | 40.8 | 63.9 | 63.9 |
| | | kg | 18.5 | 18.5 | 29.0 | 29.0 |
| INDOOR GRILLE | Dimension (W×H×D) | in. | 24-3/8×1-5/8×24-3/8 | 24-3/8×1-5/8×24-3/8 | 37-3/8×2×37-3/8 | 37-3/8×2×37-3/8 |
| | | mm | 620×40×620 | 620×40×620 | 950×50×950 | 950×50×950 |
| | Packing (L×W×H) | in. | 27-1/8×26-3/4×4-1/2 | 27-1/8×26-3/4×4-1/2 | 40-1/8×39-3/8×4-1/8 | 40-1/8×39-3/8×4-1/8 |
| | | mm | 690×680×115 | 690×680×115 | 1,020×1,000×105 | 1,020×1,000×105 |
| | Net Weight | lbs. | 5.7 | 5.7 | 14.3 | 14.3 |
| | | kg | 2.6 | 2.6 | 6.5 | 6.5 |
| | Shipping Weight | lbs. | 9.9 | 9.9 | 19.8 | 19.8 |
| | | kg | 4.5 | 4.5 | 9.0 | 9.0 |



FLOATING AIR™ ULTRA™ SERIES | MULTI-ZONE | OUTDOOR UNITS

For Outdoor Model Specs, see page 22.



ULTRA™ SERIES THE INSIDER® CONCEALED DUCTED HEAT PUMPS



GOOD | BETTER | BEST

Key Features

- All models ENERGY STAR® and ENERGY STAR® Cold Climate Heat Pump certified
- Precision Inverter®** technology (variable speed compressor)
- Soft-Start™ compressor

- BLDC motor
- 3 fan speeds
- External static pressure range 0-.40 (single-zone)
- External static pressure range 9K/12K/18K/24K 0-.40 WC (multi-zone)

indicates sustainability feature

- Built-in drain lift
- Wall controller included (FPWC1)
- Control lock function on controller



Single-zone



FPHFR09A3D, FPHFR12A3D

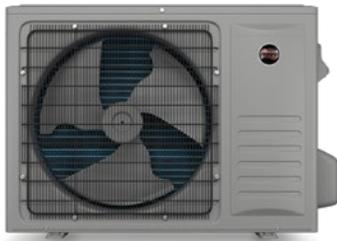


FPHFR18A3D, FPHFR24A3D,
FPHFR36A3D

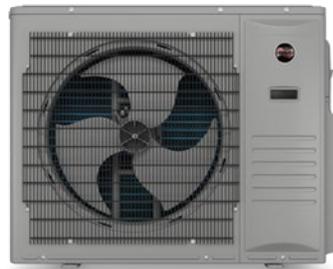


- Low ambient heat pump operation down to -22°F
- Low ambient cooling operation down to 5°F
- Low temperature compressor start-up protection

Multi-zone



FPHMR18A3D



FPHMR27A3D, FPHMR36A3D,
FPHMR42A3D



- Low ambient heat pump operation down to -13°F
- Low ambient cooling operation down to 5°F
- Low temperature compressor start-up protection



FPHFD09A3D, FPHFD12A3D,
FPHFD18A3D, FPHFD24A3D,
FPHSD36A3D



FLOATING AIR™ ULTRA™ SERIES | SINGLE-ZONE | THE INSIDER® CONCEALED DUCTED HEAT PUMPS

| MODEL | Model Set | Unit | FPHD093D | FPHD123D | FPHD183D | FPHC243D | FPHC363D |
|-----------------------------------|--|-------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|
| | Indoor Model | | FPHFD09A3D | FPHFD12A3D | FPHFD18A3D | FPHFD24A3D | FPHSD36A3D |
| | Outdoor Model | | FPHFR09A3D | FPHFR12A3D | FPHFR18A3D | FPHFR24A3D | FPHFR36A3D |
| | Power Supply | V/Hz/ph | 208V/230V~, 60Hz, 1P | | | | |
| | ENERGY STAR® Standard | Y/N | Y | Y | Y | Y | Y |
| | ENERGY STAR – Cold Climate | Y/N | Y | Y | Y | Y | Y |
| COOLING | Rated Capacity @ 95°F | Btu/h | 9,000 | 12,000 | 18,000 | 24,000 | 33,000 |
| | Cooling Capacity Range (Min.–Max.) | Btu/h | 4,300–14,500 | 4,300–14,500 | 6,500–25,000 | 9,000–31,500 | 12,000–45,000 |
| | EER2 @ 95°F | Btu/h/W | 11.70 | 11.71 | 11.69 | 11.71 | 11.70 |
| | SEER2 | Btu/h/W | 19.50 | 19.50 | 19.00 | 19.00 | 18.50 |
| | Cooling Operating Range | °F | 5–125 | 5–125 | 5–125 | 5–125 | 5–125 |
| HEATING | Rated Capacity @ 47°F | Btu/h | 9,000 | 12,000 | 18,000 | 24,000 | 36,000 |
| | Heating Capacity Range (Min.–Max.) | Btu/h | 5,300–18,000 | 5,300–18,000 | 5,700–30,000 | 7,600–37,500 | 11,000–45,000 |
| | COP @ 47°F | W/W | 3.52 | 3.52 | 3.43 | 3.52 | 3.64 |
| | COP @ 5°F | W/W | 1.80 | 1.80 | 2.00 | 2.00 | 2.00 |
| | HSPF2 | Btu/h/W | 9.50 | 9.50 | 9.00 | 9.50 | 9.00 |
| | Rated Capacity Heating @ 17°F (-8.3°C) | Btu/h | 8,700 | 8,700 | 13,200 | 15,800 | 25,500 |
| | Maximum Heating Capacity @ 5°F (-15°C) | Btu/h | 12,000 | 12,000 | 18,000 | 24,000 | 36,000 |
| | Maximum Heating Capacity @ -13°F (-25°C) | Btu/h | 8,400 | 8,400 | 12,600 | 16,000 | 25,200 |
| | Heating Operating Range | °F | -22–75 | -22–75 | -22–75 | -22–75 | -22–75 |
| INDOOR AIRFLOW | Air Circulation (Max./H/M/L) | ft³ CFM | 324/324/294/235 | 324/324/294/235 | 530/530/471/412 | 735/735/647/559 | 1,118/1,118/1,000/883 |
| | Sound Rating – Indoor (High) | dB(A) | 52 | 52 | 50 | 53 | 60 |
| | ESP (in H₂O) | Rated With Filter | 0.18 | 0.18 | 0.18 | 0.58 | 0.58 |
| | | Range With Filter | 0–0.12 | 0–0.12 | 0–0.56 | 0–0.66 | 0–0.71 |
| INDOOR FAN MOTOR | Output | W | 57 | 57 | 75 | 75 | 106 |
| | Speed (High/Med/Low) | r/min | 1,110/1,000/800 | 1,110/1,000/800 | 920/820/720 | 1,400/1,250/1,100 | 1,260/1,150/1,020 |
| OUTDOOR AIRFLOW | Air Circulation (High) for Outdoor | ft³ CFM | 1,354 | 1,354 | 1,853 | 2,235 | 3,350 |
| | Sound Rating – Outdoor | dB(A) | 64.0 | 64.0 | 68.0 | 71.0 | 74.0 |
| OUTDOOR FAN MOTOR | Output | W | 40 | 40 | 60 | 102 | 250 |
| | Speed (High) | r/min | 880 | 880 | 880 | 870 | 850 |
| ELECTRICAL | Rated Current | Cooling (A) | 3.10 | 4.50 | 6.70 | 9.40 | 13.40 |
| | | Cooling (W) | 769 | 1,025 | 1,540 | 2,050 | 2,820 |
| | | Heating (A) | 2.86 | 4.30 | 6.78 | 9.20 | 13.80 |
| | | Heating (W) | 750 | 1,000 | 1,540 | 2,050 | 2,900 |
| | MOP (Rating of Overcurrent Protective Device) | A | 20 | 20 | 25 | 30 | 50 |
| | MCA (Minimum Circuit Ampacity) | A | 12 | 12 | 16 | 22 | 30 |
| Communication Wire Size and Type | | 4 × 14AWG | 4 × 14AWG | 4 × 14AWG | 4 × 14AWG | 4 × 14AWG | |
| REFRIGERATION (R-454B) | Moisture Removal | pints/hr | 2.35 | 3.66 | 4.26 | 4.31 | 9.55 |
| | Refrigerant Charge Volume | oz. | 38.1 | 38.1 | 56.4 | 74.1 | 112.8 |
| | Liquid Pipe | in. | 1/4 | 1/4 | 1/4 | 3/8 | 3/8 |
| | Gas Pipe | in. | 3/8 | 3/8 | 1/2 | 5/8 | 5/8 |
| | Max. Pipe Length (Total) | ft. | 130 | 130 | 150 | 165 | 164 |
| | Max. Elevation (Indoor Units Higher Than Outdoor Unit) | ft. | 50 | 50 | 80 | 100 | 98 |
| | Pre-charge Pipe Length | ft. | 25 | 25 | 25 | 25 | 25 |
| | Additional Refrigerant Charge per Foot After 25 ft. | oz./ft. | 0.16 | 0.16 | 0.16 | 0.38 | 0.38 |
| INDOOR UNIT DIMENSIONS & WEIGHTS | Dimension (W×H×D) | in. | 35-7/8×7-1/2×17-5/8 | 35-7/8×7-1/2×17-5/8 | 31-1/2×9-5/8×27-1/2 | 43-1/4×9-5/8×27-1/2 | 55-1/8×11-3/4×31-1/2 |
| | | mm | 910×190×447 | 910×190×447 | 800×245×700 | 1,100×245×700 | 1,400×300×800 |
| | Packing (L×W×H) | in. | 42-1/2×22-1/4×11-1/4 | 42-1/2×22-1/4×11-1/4 | 38-5/8×12-3/8×31-7/8 | 50-3/8×12-3/8×31-7/8 | 62-1/4×15×36-1/4 |
| | | mm | 1,080×565×285 | 1,080×565×285 | 980×315×810 | 1,280×315×810 | 1,580×380×920 |
| | Net Weight | lbs. | 44.1 | 44.1 | 58.4 | 73.9 | 112.4 |
| | | kg | 20.0 | 20.0 | 26.5 | 33.5 | 51.0 |
| Shipping Weight | lbs. | 51.8 | 51.8 | 58.4 | 73.9 | 125.7 | |
| | kg | 23.5 | 23.5 | 31.0 | 38.5 | 57.0 | |
| OUTDOOR UNIT DIMENSIONS & WEIGHTS | Dimension (W×H×D) | in. | 31-7/8×22-7/8×11 | 31-7/8×22-7/8×11 | 33-7/8×26-3/8×12-1/4 | 35-3/8×29-1/2×13-3/8 | 43-1/4×34-1/2×17-3/4 |
| | | mm | 810×580×280 | 810×580×280 | 860×670×310 | 900×750×340 | 1,100×875×450 |
| | Packing (L×W×H) | in. | 37×16-1/2×25-1/4 | 37×16-1/2×25-1/4 | 39×17-3/4×28-3/4 | 41×32-5/8×18-1/8 | 45-7/8×39-1/2×21-1/4 |
| | | mm | 940×420×640 | 940×420×640 | 990×450×730 | 1,040×830×460 | 1,165×1,005×540 |
| | Net Weight | lbs. | 79.4 | 79.4 | 103.6 | 123.4 | 185.2 |
| | | kg | 36.0 | 36.0 | 47.0 | 56.0 | 84.0 |
| Shipping Weight | lbs. | 86.0 | 86.0 | 111.3 | 132.3 | 209.4 | |
| | kg | 39.0 | 39.0 | 50.5 | 60.0 | 95.0 | |

Standard With Registration



FLOATING AIR™ ULTRA™ SERIES | MULTI-ZONE | THE INSIDER® CONCEALED DUCTED HEAT PUMPS

| MODEL | Indoor Model | Unit | FPHFD09A3D | FPHFD12A3D | FPHFD18A3D | FPHFD24A3D |
|----------------------|------------------------------------|-------------------|----------------------|----------------------|----------------------|----------------------|
| | Power Supply | | V/ph/Hz | 208V/230V~, 60Hz, 1P | | |
| COOLING | Rated Capacity @ 95°F | Btu/h | 9,000 | 12,000 | 18,000 | 24,000 |
| | Cooling Capacity Range (Min.-Max.) | Btu/h | 4,300-14,500 | 4,300-14,500 | 6,500-25,000 | 9,000-31,500 |
| HEATING | Rated Capacity @ 47°F | Btu/h | 9,000 | 12,000 | 18,000 | 24,000 |
| | Heating Capacity Range (Min.-Max.) | Btu/h | 5,300-18,000 | 5,300-18,000 | 5,700-30,000 | 7,600-37,500 |
| AIRFLOW | Air Circulation (H/M/L) | ft³ CFM | 324/324/294/235 | 324/324/294/235 | 530/530/471/412 | 735/735/647/559 |
| | Sound Rating - Indoor (H/M/L) | dB(A) | 57 | 57 | 60 | 68 |
| | ESP (in H ₂ O) | Rated with filter | 0.18 | 0.18 | 0.18 | 0.58 |
| | | Rated with filter | 0-0.12 | 0-0.12 | 0-0.56 | 0-0.66 |
| FAN MOTOR | Output | W | 57 | 57 | 75 | 75 |
| | Speed (High/Med/Low) | r/min | 1,110/1,000/800 | 1,110/1,000/800 | 920/820/720 | 1,400/1,250/1,100 |
| DIMENSIONS & WEIGHTS | Dimension (W×H×D) | in. | 35-7/8×7-1/2×17-5/8 | 35-7/8×7-1/2×17-5/8 | 31-1/2×9-5/8×27-1/2 | 43-1/4×9-5/8×27-1/2 |
| | | mm | 910×190×447 | 910×190×447 | 800×245×700 | 1,100×245×700 |
| | Packing (L×W×H) | in. | 42-1/2×22-1/4×11-1/4 | 42-1/2×22-1/4×11-1/4 | 38-5/8×12-3/8×31-7/8 | 50-3/8×12-3/8×31-7/8 |
| | | mm | 1,080×565×285 | 1,080×565×285 | 980×315×810 | 1,280×315×810 |
| | Net Weight | lbs. | 44.1 | 44.1 | 58.4 | 73.9 |
| | | kg | 20.0 | 20.0 | 26.5 | 33.5 |
| | Shipping Weight | lbs. | 51.8 | 51.8 | 58.4 | 73.9 |
| | | kg | 23.5 | 23.5 | 31.0 | 38.5 |



FLOATING AIR™ ULTRA™ SERIES | MULTI-ZONE | OUTDOOR UNITS

For Outdoor Model Specs, see page 22.

Floating Air® **ULTRA™ SERIES AIR HANDLERS**

GOOD | BETTER | **BEST**

Key Features

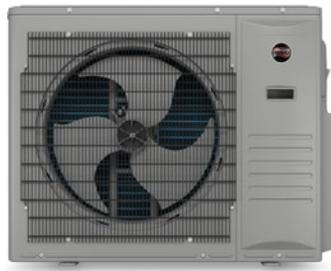
- ✔ All models ENERGY STAR® and ENERGY STAR® Cold Climate Heat Pump certified
- ✔ Precision Inverter® technology (variable speed compressor)
- ✔ Soft-Start™ compressor
- ✔ BLDC motor
- ✔ Air handler can be installed in 4 configurations; upflow, downflow, horizontal left, and horizontal right
- ✔ Aluminum indoor coil
- ✔ 3 fan speeds
- ✔ Compatible with 24V thermostats
- ✔ Efficiencies of up to 19.0 SEER2

✔ indicates sustainability feature

Multi-zone



FPHFA18A3D, FPHFA24A3D



FPHMR27A3D, FPHMR36A3D, FPHMR42A3D



- Low ambient heat pump operation down to -13°F
- Low ambient cooling operation down to 5°F
- Low temperature compressor start-up protection



FLOATING AIR™ ULTRA™ | MULTI-ZONE | AIR HANDLER

| MODEL | Indoor Model | Unit | FPHFA18A3D | FPHFA24A3D |
|----------------------|------------------------------------|---------|----------------------|----------------------|
| | Power Supply | | V/ph/Hz | 208V/230V~, 60Hz, 1P |
| COOLING | Rated Capacity @ 95°F | Btu/h | 18,000 | 24,000 |
| | Cooling Capacity Range (Min.–Max.) | Btu/h | 10,500–31,000 | 10,500–31,000 |
| HEATING | Rated Capacity @ 47°F | Btu/h | 18,000 | 24,000 |
| | Heating Capacity Range (Min.–Max.) | Btu/h | 11,700–33,000 | 11,700–33,000 |
| AIRFLOW | Rated Airflow | ft³ CFM | 800 | 800 |
| | Min.–Max. | ft³ CFM | 529–823 | 529–823 |
| | Sound Rating – Indoor (High) | dB(A) | 51 | 51 |
| FAN MOTOR | Output | W | 373 | 373 |
| | RLA | A | 2.6 | 2.6 |
| | Speed (High/Low) | r/min | 350–1,400 | 350–1,400 |
| DIMENSIONS & WEIGHTS | Dimension (W×H×D) | in. | 17-4/8×45×21 | 17-4/8×45×21 |
| | | mm | 445×1,143×534 | 445×1,143×534 |
| | Packing (L×H×W) | in. | 20-4/8×25-2/8×49-6/8 | 20-4/8×25-2/8×49-6/8 |
| | | mm | 520×1,265×640 | 520×1,265×640 |
| | Net Weight | lbs. | 130.5 | 130.5 |
| | | kg | 59.2 | 59.2 |
| | Shipping Weight | lbs. | 153.6 | 153.6 |
| kg | | 69.7 | 69.7 | |



Standard With Registration

FLOATING AIR™ ULTRA™ SERIES | MULTI-ZONE | OUTDOOR UNITS

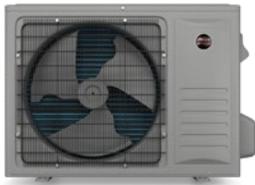


| OUTDOOR MODEL | Outdoor Model | | FPHMR18A3D | FPHMR27A3D | FPHMR36A3D | FPHMR42A3D |
|-------------------------------------|--|-------------|----------------------|----------------------|----------------------|----------------------|
| | Power Supply | V/Hz/ph | 208V/230V~, 60Hz,1P | | | |
| ENERGY STAR® Standard* | Y/N | Y | Y | Y | Y | |
| ENERGY STAR – Cold Climate* | Y/N | Y | Y | Y | Y | |
| COOLING | Rated Capacity @ 95°F | Btu/h | 18,000 | 27,000 | 36,000 | 42,000 |
| | Cooling Capacity Range (Min.–Max.) | Btu/h | 9,000–22,000 | 9,000–31,000 | 9,000–46,800 | 9,000–54,600 |
| | EER2 @ 95°F* | Btu/h/W | 13.30 | 12.85 | 12.85 | 12.00 |
| | SEER2* | Btu/h/W | 22.00 | 23.00 | 22.00 | 22.00 |
| | Cooling Operating Range (Min.–Max.) | °F | 5–125 | 5–125 | 5–125 | 5–125 |
| HEATING | Rated Capacity @ 47°F | Btu/h | 18,000 | 27,000 | 36,000 | 42,000 |
| | Heating Capacity Range (Min.–Max.) | Btu/h | 9,000–30,000 | 9,000–44,000 | 9,000–54,000 | 9,000–58,000 |
| | COP @ 47°F* | W/W | 3.82 | 3.60 | 3.91 | 3.60 |
| | COP @ 5°F* | W/W | 1.99 | 1.82 | 1.92 | 1.92 |
| | HSPF2* | Btu/h/W | 10.0 | 10.0 | 10.0 | 9.50 |
| | Rated Capacity Heating @ 17°F (-8.3°C) | Btu/h | 11,500 | 17,600 | 22,600 | 28,200 |
| | Maximum Heating Capacity @ 5°F (-15°C) | Btu/h | 18,000 | 27,000 | 36,000 | 36,000 |
| | Maximum Heating Capacity @ -13°F (-25°C) | Btu/h | 13,356 | 19,177 | 26,175 | 27,216 |
| Heating Operating Range (Min.–Max.) | °F | -13–75 | -13–75 | -13–75 | -13–75 | |
| AIRFLOW | Air Circulation (High) for Outdoor | ft³ CFM | 1,850 | 3,357 | 3,357 | 3,357 |
| | Sound Rating – Outdoor | dB(A) | 55 | 62 | 64 | 64 |
| FAN MOTOR | Output | W | 60 | 220 | 220 | 220 |
| | Speed (High) | r/min | 880 | 850 | 830 | 830 |
| ELECTRICAL | Rated Current | Cooling (A) | 6.3 | 9.3 | 12.8 | 15.5 |
| | | Cooling (W) | 1,350 | 2,100 | 2,802 | 3,500 |
| | | Heating (A) | 6.4 | 10.0 | 12.5 | 18.0 |
| | | Heating (W) | 1,380 | 2,200 | 2,700 | 3,910 |
| | MOP (Rating of Overcurrent Protective Device) | A | 30.0 | 40.0 | 50.0 | 60.0 |
| | MCA (Minimum Circuit Ampacity) | A | 21.0 | 25.0 | 32.0 | 36.0 |
| | Communication Wire Size and Type | | 4 × 14AWG | 4 × 14AWG | 4 × 14AWG | 4 × 14AWG |
| REFRIGERATION (R-454B) | Moisture Removal | pints/hr | 2.4 | 3.0 | 4.3 | 4.4 |
| | Refrigerant Charge Volume | oz. | 51.1 | 76.2 | 105.8 | 105.8 |
| | Liquid Pipe | in. | 1/4 | 1/4 | 1/4 | 1/4 |
| | Gas Pipe | in. | 3/8 | 3/8 | 3/8 | 3/8 |
| | Connection | | Flare | Flare | Flare | Flare |
| | Max. Pipe Length (Total) | ft. | 164.0 | 230.0 | 230.0 | 262.0 |
| | Max. Elevation (Indoor Units Higher Than Outdoor Unit) | ft. | 49.0 | 49.0 | 49.0 | 49.0 |
| | Pre-charge Pipe Length | ft. | 50.0 | 75.0 | 100.0 | 125.0 |
| | Additional Refrigerant Charge per Foot After 25 ft. | oz./ft. | 0.2 | 0.2 | 0.2 | 0.2 |
| DIMENSIONS & WEIGHTS | Dimension (W×H×D) | in. | 33-7/8×26-3/8×12-1/4 | 38-3/8×32-7/8×14-1/8 | 38-3/8×32-7/8×14-1/8 | 38-3/8×32-7/8×14-1/8 |
| | | mm | 860×670×310 | 975×835×360 | 975×835×360 | 975×835×360 |
| | Packing (L×W×H) | in. | 39×17-3/4×28-3/4 | 43-3/4×18-1/8×37-3/4 | 43-3/4×18-1/8×37-3/4 | 43-3/4×18-1/8×37-3/4 |
| | | mm | 990×450×730 | 1,111×460×960 | 1,111×460×960 | 1,111×460×960 |
| | Net Weight | lbs. | 101.4 | 160.6 | 169.8 | 172.0 |
| | | kg | 46.0 | 72.9 | 77.0 | 78.0 |
| | Shipping Weight | lbs. | 112.4 | 183.2 | 191.8 | 194 |
| | | kg | 51.0 | 83.1 | 87.0 | 88.0 |

*Efficiency data shown based on non-ducted indoor application.

FLOATING AIR™ ULTRA™ SERIES | MULTI-ZONE CONFIGURATIONS

Mix and match any combination of indoor units up to the maximum connected capacity.



FPHMR18A3D
24,000 Btu
MAX. CONNECTED CAPACITY

2 ZONES

MINIMUM combination must be 50% of nameplate capacity

Combinations SHOULD NOT: Exceed the maximum allowable total indoor unit connected capacity of 24,000 Btu.



FPHMR27A3D
36,000 Btu
MAX. CONNECTED CAPACITY

2 ZONES

MINIMUM combination must be 50% of nameplate capacity

3 ZONES

Select any combination of (3) indoor units.

Combinations SHOULD NOT: Exceed the maximum allowable total indoor unit connected capacity of 36,000 Btu.



FPHMR36A3D
48,000 Btu
MAX. CONNECTED CAPACITY

2 ZONES

Select two (2) 18,000 Btu indoor units

3 ZONES

Select any combination of (3) indoor units with no more than (2) 18,000 Btu indoor units plus (1) other indoor unit.

4 ZONES

Select any combination of (4) indoor units.

Combinations SHOULD NOT: Exceed the maximum allowable total indoor unit connected capacity of 48,000 Btu.



FPHMR42A3D
54,000 Btu
MAX. CONNECTED CAPACITY

3 ZONES

Select any combination of (3) indoor units with no more than (2) 18,000 Btu indoor units plus (1) other indoor unit.

4 ZONES

Select any combination of (4) indoor units.

5 ZONES

Select any combination of (5) indoor units.

Combinations SHOULD NOT: Exceed the maximum allowable total indoor unit connected capacity of 54,000 Btu.

MULTI-ZONE CONFIGURATION, AHRI RATINGS

| Ruud Model | AHRI Reference Number | Indoor Type | System Cooling 95°F Capacity | EER2 | SEER2 | High Heat 47°F | HSPF2 | Low Heat 17°F | COP 5°F | Maximum Heating Capacity -13°F |
|------------|-----------------------|--|------------------------------|-------|-------|----------------|-------|---------------|---------|--------------------------------|
| FPHMR18A3D | 215792836 | Non-Ducted Indoor Units | 18,000 | 13.30 | 22 | 18,000 | 10 | 11,500 | 1.99 | 13,356 |
| | 215792837 | Ducted Indoor Units | 18,000 | 12.00 | 17.5 | 18,000 | 9.4 | 11,900 | 1.96 | 13,356 |
| | 215792838 | Mixed Ducted and Non-Ducted Indoor Units | 18,000 | 12.65 | 19.75 | 18,000 | 9.7 | 11,700 | 1.96 | 13,356 |
| FPHMR27A3D | 215792839 | Non-Ducted Indoor Units | 27,000 | 12.85 | 23 | 27,000 | 10 | 17,600 | 1.82 | 19,177 |
| | 215792840 | Ducted Indoor Units | 27,000 | 11.50 | 18 | 27,000 | 8.8 | 18,200 | 1.84 | 19,177 |
| | 215792841 | Mixed Ducted and Non-Ducted Indoor Units | 27,000 | 12.20 | 20.5 | 27,000 | 9.4 | 18,000 | 1.82 | 19,177 |
| FPHMR36A3D | 215792846 | Non-Ducted Indoor Units | 36,000 | 12.85 | 22 | 36,000 | 10 | 22,600 | 1.92 | 26,175 |
| | 215792845 | Ducted Indoor Units | 36,000 | 12.85 | 19 | 36,000 | 9 | 21,000 | 1.83 | 26,175 |
| | 215792847 | Mixed Ducted and Non-Ducted Indoor Units | 36,000 | 12.85 | 20.5 | 36,000 | 9.5 | 21,800 | 1.87 | 26,175 |
| FPHMR42A3D | 215792843 | Non-Ducted Indoor Units | 42,000 | 12.00 | 22 | 48,000 | 9.5 | 28,200 | 1.92 | 27,216 |
| | 215792842 | Ducted Indoor Units | 42,000 | 11.35 | 18 | 45,000 | 8.8 | 27,400 | 1.83 | 27,216 |
| | 215792844 | Mixed Ducted and Non-Ducted Indoor Units | 42,000 | 11.80 | 20 | 46,500 | 9.15 | 27,800 | 1.87 | 27,216 |

Standard With Registration

FLOATING AIR™ ULTRA™ SERIES | MULTI-ZONE ALLOWABLE CONFIGURATIONS

Select the outdoor unit that is applicable to the number of indoor spaces you want to heat and cool. Mix-and-match flexibility lets you select the type of indoor units best suited to the application: wall-mounted, ceiling cassette, concealed ducted or air handlers.



2 ZONES ONLY
18,000 BTU
 24,000 Btu max. connected capacity



2 OR 3 ZONES
27,000 BTU
 36,000 Btu max. connected capacity



2, 3 OR 4 ZONES
36,000 BTU
 48,000 Btu max. connected capacity

| FPHMR18A3D | | |
|------------|--------|-------|
| ZONE 1 | ZONE 2 | TOTAL |
| 7 | 7 | 14 |
| 7 | 9 | 16 |
| 7 | 12 | 19 |
| 9 | 9 | 18 |
| 9 | 12 | 21 |
| 12 | 12 | 24 |

| FPHMR27A3D | | | |
|------------|--------|--------|-------|
| ZONE 1 | ZONE 2 | ZONE 3 | TOTAL |
| 7 | 7 | - | 14 |
| 7 | 9 | - | 16 |
| 7 | 12 | - | 19 |
| 7 | 18 | - | 25 |
| 9 | 9 | - | 18 |
| 9 | 12 | - | 21 |
| 9 | 18 | - | 27 |
| 9 | 24 | - | 33 |
| 12 | 12 | - | 24 |
| 12 | 18 | - | 30 |
| 18 | 18 | - | 36 |
| 7 | 7 | 7 | 21 |
| 7 | 7 | 9 | 23 |
| 7 | 7 | 12 | 26 |
| 7 | 7 | 18 | 32 |
| 7 | 9 | 9 | 25 |
| 7 | 9 | 12 | 28 |
| 7 | 9 | 18 | 34 |
| 7 | 12 | 12 | 31 |
| 7 | 12 | 18 | 37 |
| 9 | 9 | 9 | 27 |
| 9 | 9 | 12 | 30 |
| 9 | 9 | 18 | 36 |
| 9 | 12 | 12 | 33 |
| 12 | 12 | 12 | 36 |

| FPHMR36A3D | | | | |
|------------|--------|--------|--------|-------|
| ZONE 1 | ZONE 2 | ZONE 3 | ZONE 4 | TOTAL |
| 7 | 24 | - | - | 31 |
| 9 | 24 | - | - | 33 |
| 12 | 18 | - | - | 30 |
| 12 | 24 | - | - | 36 |
| 18 | 18 | - | - | 36 |
| 18 | 24 | - | - | 42 |
| 24 | 24 | - | - | 48 |
| 7 | 7 | 7 | - | 21 |
| 7 | 7 | 9 | - | 23 |
| 7 | 7 | 12 | - | 26 |
| 7 | 7 | 18 | - | 32 |
| 7 | 9 | 24 | - | 38 |
| 7 | 9 | 9 | - | 25 |
| 7 | 9 | 12 | - | 28 |
| 7 | 9 | 18 | - | 34 |
| 7 | 9 | 24 | - | 40 |
| 7 | 12 | 12 | - | 31 |
| 7 | 12 | 18 | - | 37 |
| 9 | 9 | 9 | - | 27 |
| 9 | 9 | 12 | - | 30 |
| 9 | 9 | 18 | - | 36 |
| 9 | 9 | 24 | - | 42 |
| 9 | 12 | 12 | - | 33 |
| 9 | 12 | 18 | - | 39 |
| 9 | 12 | 24 | - | 45 |
| 9 | 18 | 24 | - | 51 |
| 12 | 12 | 12 | - | 36 |
| 12 | 12 | 18 | - | 42 |
| 12 | 12 | 24 | - | 48 |
| 18 | 18 | 7 | - | 43 |
| 18 | 18 | 9 | - | 45 |
| 18 | 18 | 12 | - | 48 |
| 7 | 7 | 7 | 7 | 28 |
| 7 | 7 | 7 | 9 | 30 |
| 7 | 7 | 7 | 12 | 33 |
| 7 | 7 | 7 | 18 | 39 |
| 7 | 7 | 7 | 24 | 45 |
| 7 | 7 | 9 | 9 | 32 |
| 7 | 7 | 12 | 12 | 35 |
| 7 | 7 | 9 | 18 | 41 |
| 7 | 7 | 9 | 24 | 47 |
| 7 | 7 | 12 | 12 | 38 |
| 7 | 7 | 12 | 18 | 44 |
| 7 | 7 | 12 | 24 | 50 |
| 7 | 9 | 9 | 9 | 34 |
| 7 | 9 | 9 | 12 | 37 |
| 7 | 9 | 9 | 18 | 43 |
| 7 | 9 | 9 | 24 | 49 |
| 7 | 9 | 12 | 12 | 40 |
| 7 | 9 | 12 | 18 | 46 |
| 7 | 9 | 12 | 24 | 52 |
| 7 | 12 | 12 | 12 | 43 |
| 7 | 12 | 12 | 18 | 49 |
| 9 | 9 | 9 | 9 | 36 |
| 9 | 9 | 9 | 12 | 39 |
| 9 | 9 | 9 | 18 | 45 |
| 9 | 9 | 9 | 24 | 51 |
| 9 | 9 | 12 | 12 | 42 |
| 9 | 9 | 12 | 18 | 48 |
| 9 | 12 | 12 | 12 | 45 |
| 9 | 12 | 12 | 18 | 51 |
| 12 | 12 | 12 | 12 | 48 |

■ Floating Air™ Multi-zone allowable combinations that exceed our 100% ratio.

INDOOR UNITS

| <p>Wall-mounted</p> | MODEL | BTU |
|---------------------|------------|--------|
| | FAHFW07A3D | 7,000 |
| | FAHFW09A3D | 9,000 |
| | FAHFW12A3D | 12,000 |
| | FAHFW18A3D | 18,000 |
| | FAHFW24A3D | 24,000 |

| <p>Ceiling cassette</p> | MODEL | BTU |
|-------------------------|------------|--------|
| | FPHFC09A3D | 9,000 |
| | FPHFC12A3D | 12,000 |
| | FPHFC18A3D | 18,000 |
| FPHFC24A3D | 24,000 | |

| <p>Concealed ducted</p> | MODEL | BTU |
|-------------------------|------------|--------|
| | FPHFD09A3A | 9,000 |
| | FPHFD12A3A | 12,000 |
| | FPHFD18A3A | 18,000 |
| FPHFD24A3A | 24,000 | |

| <p>Air handler</p> | MODEL | BTU |
|--------------------|------------|--------|
| | FPHFA18A3D | 18,000 |
| FPHFA24A3D | 24,000 | |

FLOATING AIR™ ULTRA™ SERIES | MULTI-ZONE ALLOWABLE CONFIGURATIONS



**2, 3, 4 OR 5
ZONES**

42,000 BTU
54,000 Btu max.
connected capacity

| FPHMR42A3D | | | | | |
|------------|--------|--------|--------|--------|-------|
| ZONE 1 | ZONE 2 | ZONE 3 | ZONE 4 | ZONE 5 | TOTAL |
| 12 | 24 | - | - | - | 36 |
| 18 | 18 | - | - | 36 | 36 |
| 18 | 24 | - | - | - | 42 |
| 24 | 24 | - | - | - | 48 |
| 7 | 7 | 7 | - | - | 21 |
| 7 | 7 | 9 | - | - | 23 |
| 7 | 7 | 12 | - | - | 26 |
| 7 | 7 | 18 | - | - | 32 |
| 7 | 7 | 24 | - | - | 38 |
| 7 | 9 | 9 | - | - | 25 |
| 7 | 9 | 12 | - | - | 28 |
| 7 | 9 | 18 | - | - | 34 |
| 7 | 9 | 24 | - | - | 40 |
| 7 | 12 | 12 | - | - | 31 |
| 7 | 12 | 18 | - | - | 37 |
| 7 | 12 | 24 | - | - | 43 |
| 7 | 18 | 18 | - | - | 43 |
| 7 | 18 | 24 | - | - | 49 |
| 9 | 9 | 9 | - | - | 27 |
| 9 | 9 | 12 | - | - | 30 |
| 9 | 9 | 18 | - | - | 36 |
| 9 | 9 | 24 | - | - | 42 |
| 9 | 12 | 12 | - | - | 33 |
| 9 | 12 | 18 | - | - | 39 |
| 9 | 12 | 24 | - | - | 45 |
| 9 | 18 | 18 | - | - | 45 |
| 9 | 18 | 24 | - | - | 51 |
| 12 | 12 | 12 | - | - | 36 |
| 12 | 12 | 18 | - | - | 42 |
| 12 | 12 | 24 | - | - | 48 |
| 12 | 18 | 18 | - | - | 48 |
| 12 | 18 | 24 | - | - | 54 |
| 7 | 7 | 7 | 7 | - | 28 |
| 7 | 7 | 7 | 9 | - | 30 |
| 7 | 7 | 7 | 12 | - | 33 |
| 7 | 7 | 7 | 18 | - | 39 |
| 7 | 7 | 7 | 24 | - | 45 |
| 7 | 7 | 9 | 9 | - | 32 |
| 7 | 7 | 9 | 12 | - | 35 |
| 7 | 7 | 9 | 18 | - | 41 |
| 7 | 7 | 9 | 24 | - | 47 |
| 7 | 7 | 12 | 12 | - | 38 |
| 7 | 7 | 12 | 18 | - | 44 |
| 7 | 7 | 12 | 24 | - | 50 |
| 7 | 7 | 18 | 24 | - | 56 |
| 7 | 9 | 9 | 9 | - | 34 |
| 7 | 9 | 9 | 12 | - | 37 |
| 7 | 9 | 9 | 18 | - | 43 |
| 7 | 9 | 9 | 24 | - | 49 |
| 7 | 9 | 12 | 12 | - | 40 |
| 7 | 9 | 12 | 18 | - | 46 |
| 7 | 9 | 12 | 24 | - | 52 |
| 7 | 9 | 18 | 24 | - | 58 |
| 7 | 12 | 12 | 12 | - | 43 |
| 7 | 12 | 12 | 18 | - | 49 |
| 7 | 12 | 12 | 24 | - | 55 |
| 9 | 9 | 9 | 9 | - | 36 |
| 9 | 9 | 9 | 12 | - | 39 |
| 9 | 9 | 9 | 18 | - | 45 |
| 9 | 9 | 9 | 24 | - | 51 |
| 9 | 9 | 12 | 12 | - | 42 |
| 9 | 9 | 12 | 18 | - | 48 |
| 9 | 9 | 12 | 24 | - | 54 |
| 9 | 9 | 18 | 24 | - | 60 |
| 9 | 12 | 12 | 12 | - | 45 |
| 9 | 12 | 12 | 18 | - | 51 |
| 9 | 12 | 12 | 24 | - | 57 |
| 12 | 12 | 12 | 12 | - | 48 |
| 12 | 12 | 12 | 18 | - | 54 |

| FPHMR42A3D | | | | | |
|------------|--------|--------|--------|--------|-------|
| 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 | 18 | 46 |
| 7 | 7 | 7 | 7 | 24 | 52 |
| 7 | 7 | 7 | 9 | 9 | 39 |
| 7 | 7 | 7 | 9 | 12 | 42 |
| 7 | 7 | 7 | 9 | 18 | 48 |
| 7 | 7 | 7 | 9 | 24 | 54 |
| 7 | 7 | 7 | 12 | 12 | 45 |
| 7 | 7 | 7 | 12 | 18 | 51 |
| 7 | 7 | 9 | 9 | 9 | 41 |
| 7 | 7 | 9 | 9 | 12 | 44 |
| 7 | 7 | 9 | 9 | 18 | 50 |
| 7 | 7 | 9 | 12 | 12 | 47 |
| 7 | 7 | 12 | 12 | 12 | 50 |
| 7 | 9 | 9 | 9 | 9 | 43 |
| 7 | 9 | 9 | 9 | 12 | 46 |
| 7 | 9 | 9 | 9 | 18 | 52 |
| 7 | 9 | 9 | 12 | 12 | 49 |
| 7 | 9 | 12 | 12 | 12 | 52 |
| 9 | 9 | 9 | 9 | 9 | 45 |
| 9 | 9 | 9 | 9 | 12 | 48 |
| 9 | 9 | 9 | 9 | 18 | 54 |
| 9 | 9 | 9 | 12 | 12 | 51 |
| 9 | 9 | 12 | 12 | 12 | 54 |

TECH SPECS

REFRIGERATION LINE SETS (REQUIRED) OUTSIDE DIMENSIONS & MIN./MAX. LENGTHS

| FLOATING AIR™ ACHIEVER PLUS® SERIES & ULTRA™ SERIES WALL-MOUNTED | | | | | | |
|--|--------|---------|--------------|--------------|------------|---------------------------|
| Model Set | Liquid | Suction | Lineset Kit | Lineset Kit | Min. (ft.) | Max. Each/ Total (ft.) |
| FPHW091C | 1/4 | 3/8 | T32150 - 15' | T32350 - 35' | 10 | 66 |
| FPHW121C | 1/4 | 3/8 | T32150 - 15' | T32350 - 35' | 10 | 66 |
| FPHW093D | 1/4 | 3/8 | T32150 - 15' | T32350 - 35' | 10 | 66 |
| FPHW123D | 1/4 | 3/8 | T32150 - 15' | T32350 - 35' | 10 | 66 |
| FPHW183D | 1/4 | 1/2 | T42150 - 15' | T42250 - 25' | 10 | 98 |
| FPHW243D | 3/8 | 5/8 | T53250 - 25' | T53350 - 35' | 10 | 98 |
| FLOATING AIR™ ACHIEVER® SERIES WALL-MOUNTED | | | | | | |
| FSHW091C | 1/4 | 3/8 | T32150 - 15' | T32350 - 35' | 10 | 66 |
| FSHW121C | 1/4 | 3/8 | T32150 - 15' | T32350 - 35' | 10 | 66 |
| FSHW183D | 1/4 | 1/2 | T42150 - 15' | T42350 - 35' | 10 | 98 |
| FSHW243D | 3/8 | 5/8 | T53250 - 25' | T53350 - 35' | 10 | 98 |
| FSHW363D | 3/8 | 5/8 | T53250 - 25' | T53350 - 35' | 15 | 98 |
| FLOATING AIR™ ULTRA™ SERIES CASSETTE SINGLE-ZONE | | | | | | |
| FPHC093D | 1/4 | 3/8 | T32150 - 15' | T32350 - 35' | 10 | 82 |
| FPHC123D | 1/4 | 3/8 | T32150 - 15' | T32350 - 35' | 10 | 82 |
| FPHC183D | 1/4 | 1/2 | T42150 - 15' | T42250 - 25' | 10 | 82 |
| FPHC243D | 3/8 | 5/8 | T53250 - 25' | T53350 - 35' | 10 | 164 |
| FPHC363D | 3/8 | 3/4 | T63500 - 50' | | 10 | 164 |
| FLOATING AIR™ ULTRA™ SERIES THE INSIDER® SINGLE-ZONE CONCEALED DUCTED | | | | | | |
| FPHD093D | 1/4 | 3/8 | T32150 - 15' | T32350 - 35' | 10 | 82 |
| FPHD123D | 1/4 | 3/8 | T32150 - 15' | T32350 - 35' | 10 | 82 |
| FPHD183D | 1/4 | 1/2 | T42150 - 15' | T42250 - 25' | 10 | 82 |
| FPHD243D | 3/8 | 5/8 | T53250 - 25' | T53350 - 35' | 10 | 164 |
| FPHD363D | 3/8 | 3/4 | T63500 - 50' | | 10 | 164 |
| FLOATING AIR™ ACHIEVER PLUS® SERIES & ULTRA™ SERIES MULTI-ZONE OUTDOOR | | | | | | |
| FPHMR18A3D | 1/4 | 3/8 | T32150 - 15' | T32350 - 35' | 25 | 82/164 |
| FPHMR27A3D | 1/4 | 3/8 | T32150 - 15' | T32350 - 35' | 25 | 66/230 |
| FPHMR36A3D | 1/4 | 3/8 | T32150 - 15' | T32350 - 35' | 25 | 66/230 |
| FPHMR42A3D | 1/4 | 3/8 | T32150 - 15' | T32350 - 35' | 25 | 66/262 |

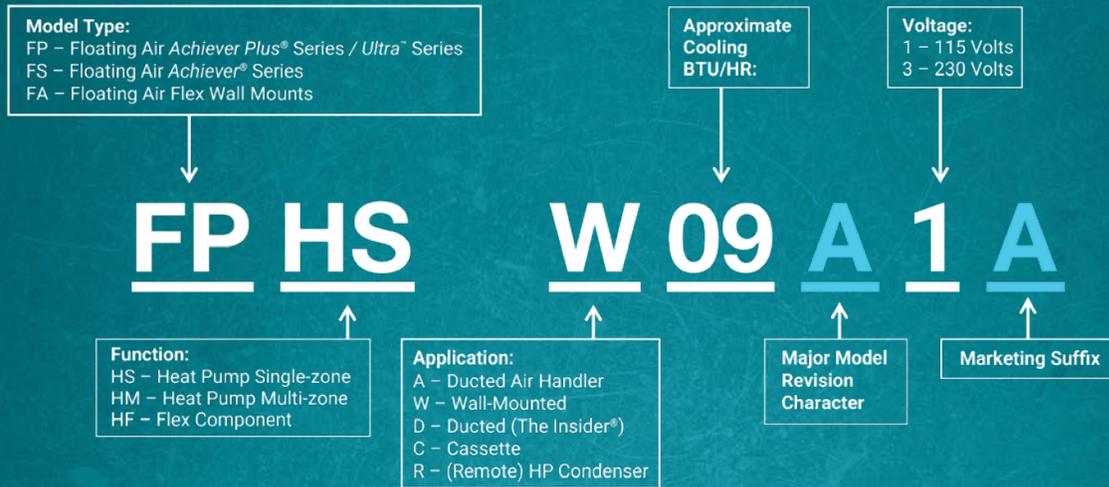
AIR HANDLER REFRIGERATION LINE SET INFORMATION COMING SOON.

TORQUE WRENCH SETTINGS

| Outside Diameter | | Torque | |
|------------------|-----|----------|-------------|
| mm | in. | ft.-lbs. | N·m |
| 6.35 | 1/4 | 13 – 18 | 17.6 – 24.5 |
| 9.52 | 3/8 | 25 – 30 | 33.3 – 41.2 |
| 12.7 | 1/2 | 40 – 47 | 53.9 – 64.7 |
| 15.88 | 5/8 | 45 – 59 | 61.7 – 80.4 |

MODEL IDENTIFICATION GUIDE

(PRELIMINARY)



ACCESSORIES

FreshAir® IAQ (Optional)



FreshAir Purifier APWM1 by iWave® – Optional accessory for all wall-mounted ductless models that kills mold, bacteria and viruses—while effectively removing odors and VOCs.

Wall Controllers (Optional)



FPWC1 – Optional hard-wired controller for Floating Air wall-mounted and cassette indoor models. Included with concealed ducted models. Not compatible with AHU indoor models. See your Ruud representative for options.



DSSXEMWRTA4 – Optional wireless energy management thermostat with occupancy sensor. Compatible with Floating Air wall-mounted, cassette, and concealed ducted indoor models. Not compatible with AHU indoor models. See your Ruud representative for options.

Sensors (Optional, Depending Upon Model)



ADS01 – Field-installed A2L sensor for Floating Air FAHMMW07A3D, FAHFW09A3D and FAHFW12A3D 230V indoor wall-mounted available. See Installation and Operation Manual for additional information & requirements.

RUUD® FLOATING AIR™

FEATURES AT A GLANCE



VERSATILE, SUPER-EFFICIENT
& ULTRA-QUIET

Cooling & Heating Efficiencies Up To:
25.0 SEER2 / 13.6 EER2 / 11.0 HSPF2

Cooling & Heating Capacities*:

- 9–36K nominal BTU (single-zone)
- 18–42K nominal BTU (multi-zone)

Sound Rating:

- Indoor units – As low as 32 dB(A)
- Outdoor units – As low as 53 dB(A)

Compressor Type: Precision Inverter®
variable speed

ENERGY STAR® Heat Pump Certified:

Yes – some *Achiever*® and all *Achiever Plus*®
and *Ultra*™ Series models

ENERGY STAR® Cold Climate Heat Pump

Certified: Yes – all *Achiever Plus*® and
Ultra™ Series models

Refrigerant Type:

- Low-GWP R-454B (*Achiever Plus*® and
Ultra™ Series models)
- Low-GWP R-32 (*Achiever*® Series models)

Key Features:

- PlusOne® *FastPro*® Easy-service
Design (wall-mounted models only**)
- Built-in Wi-Fi with ComfortPro
mobile app (wall-mounted and
ceiling cassette models only)
- Precision Inverter® technology
- Extreme Heat Pump Operation
(*Ultra*™ Series models only)
- Diamonblue™ Advanced
Corrosion Protection
- FreshAire® IAQ ready

Additional Standard Features:

- Auto changeover (Single-zone only)
- Wall controller option with 7-day programmability
- 24-hour programmable timer
- Washable air filter
- 4-way auto swing (wall-mounted and ceiling cassette models only)

Limited Warranty:

- Parts – 7 years (standard) or
10 years (with registration at RegisterMyUnit.com)
- Compressor – 10 years (standard)

*See model series for details

**Excludes FAHSW36A3D



[Ruud.com/FloatingAir](https://www.ruud.com/FloatingAir)

RELY ON



[Ruud.com](https://www.ruud.com)

Ruud Heating & Cooling

As the only brand bringing innovative air and water solutions to homes and businesses around the world, Ruud continues to deliver advanced comfort, savings and experiences to our customers—just as we've done since 1925.



Ruud USA

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Fort Smith, Arkansas 72908



Ruud Canada Ltd. / Ltée

125 Edgeware Road, Unit 1
Brampton, Ontario L6Y 0P5



Many Ruud Floating Air™ *Achiever Plus*® Series and *Ultra*™ Series models have earned our Sustainability Standout® seal, indicating that they are among the best of the best. We created the seal to help you more easily find the products that save energy, save money and save the planet.

Due to continuing research in new energy-saving technology, specifications are subject to change without notice. Your energy costs will depend on your utility rates and use. The estimated energy cost is based on a electricity cost of \$.13 per kWh. For more information, visit www.ftc.gov/energy.

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