

# EFFICIENT & FLEXIBLE **COMFORT** FOR EVERY ROOM



**Floating Air**®

VERSATILE, SUPER-EFFICIENT  
& ULTRA-QUIET

## FRIEDRICH® FLOATING AIR™ DUCTLESS MINI-SPLIT SYSTEMS

Customized comfort has never been more convenient. Designed to match your unique heating and cooling needs, Friedrich 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 peace of mind season after season.

[Friedrich.com/FloatingAir](http://Friedrich.com/FloatingAir)



**FRIEDRICH**

DELIVERING BOLDLY CRAFTED COMFORT

# Why Choose Friedrich® Floating Air™ Ductless Mini-split Systems

Designed to excel in both residential applications and light commercial applications, Friedrich Floating Air mini-split systems can efficiently heat one room, multiple rooms or whole homes. 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.



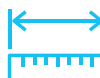
## Heating & Cooling Flexibility

Friedrich 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.



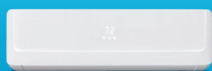
## No Dirty Ducts

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



## Total Installation Flexibility

With Friedrich 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 or even a ducted air handler.



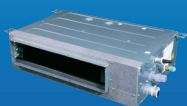
## Wall-mounted Units

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.

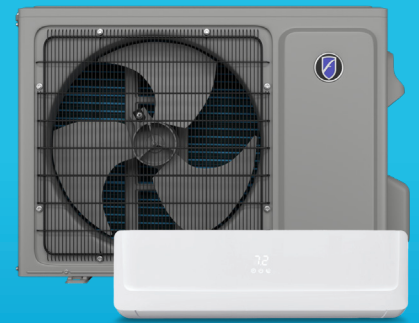


## 24V Air Handler

In applications where ductwork makes the most sense, such as replacing an existing system, the **24V 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.

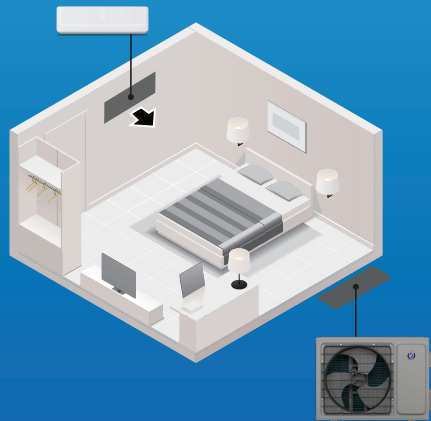
# Comfort Customized to Your Needs

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



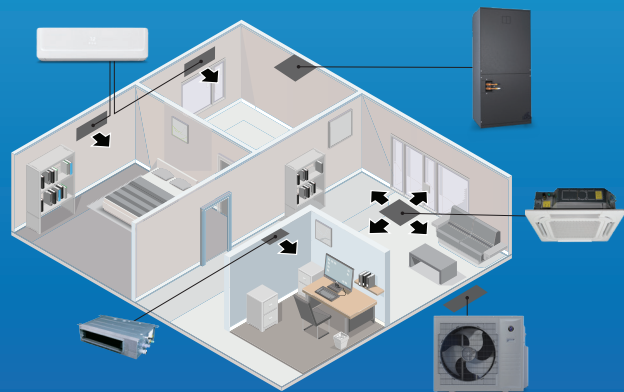
## Single-zone Systems

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 rooms. Plus, occupants can set the temperature of each zone to their preferred comfort level<sup>1</sup> or turn off units in unoccupied rooms without impacting other zones.



<sup>1</sup>Multi-zone units cannot heat and cool simultaneously.



### Easy Service & Maintenance

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



### Precision Comfort

Select 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, many 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.



Scan to Watch Video:  
FASTPRO®

# Precise Performance & Bold Features

Floating Air™ mini-split systems are built to deliver precise comfort and are packed with advanced 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.

Friedrich's **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 Pro X 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 Pro X models are ENERGY STAR® Cold Climate certified.

## Sustainable Operation

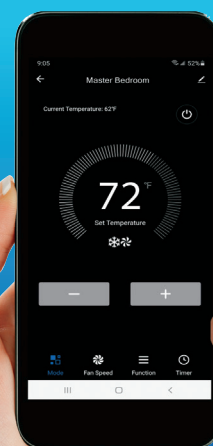
All Floating Air models utilize low-GWP refrigerant, with Select Series utilizing R-32 with a GWP of 675 and Pro and Pro X Series utilizing R-454B with a GWP of 466. Plus, many models are ENERGY STAR® certified, providing even greater energy savings.



## 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



# Easy-to-clean Design for Fast Servicing & More Savings

## Easy-maintenance Design With **FastPro**<sup>®</sup>

All units 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:

- 1 Modular Drain Pan Assembly**  
Easy to remove for cleaning
- 2 Quick Access**  
Tangential blower and motor for easier repairs
- 3 Clear Piping Access**  
Simplifies maintenance tasks
- 4 Wire Terminal Blocks**  
Easy to access for servicing
- 5 Onboard Error Codes**  
Ensure trouble-free operation
- 6 Complete Coil Access**  
For easy cleaning



<sup>1</sup>Faster 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 Friedrich Multi-zone outdoor units, helping the contractor to save even more time.



Scan to Watch Video:  
**BUILT-IN  
TROUBLESHOOTING**

# Find the Line That Best Suits Your Needs

Friedrich offers three exceptional lines of ductless mini-splits, each with unique features for simple installation, resulting in savings and easier maintenance visits.

GOOD | BETTER | BEST

## Floating Air™ Pro X

The ultimate series with extreme operating ranges, extreme heat pump performance, high efficiencies, and available with 4 indoor installation options for both Single (9K-24K BTU) and Multi-Zone (18K-42K BTU).



- Available in Wall-Mounted, Ceiling Cassette, The Insider® Concealed Ducted, and 24V Air Handler
- Extreme cold climate heat pump performance: 100% of rated capacity at 5°F\*
- Extreme low ambient heat pump operation down to -22°F in Single-Zone, and -13°F in Multi-Zone
- All ENERGY STAR® and ENERGY STAR® Cold-Climate Heat Pump certified models

GOOD | BETTER | BEST

## Floating Air™ Pro

This line delivers all the features of Floating Air Select models plus higher efficiency, and extended operating capacities.

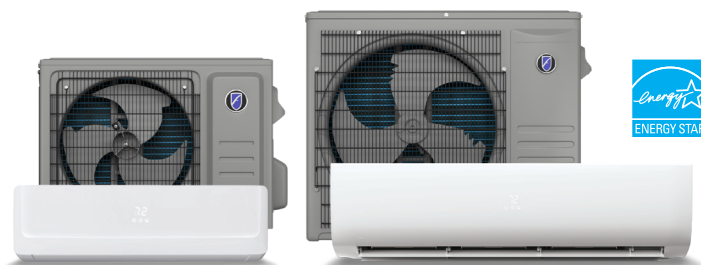


- Available in Single-zone, Wall-Mounted only, 9K-24K BTU
- Efficiencies up to 25 SEER2
- All ENERGY STAR® and ENERGY STAR® Cold-Climate Heat Pump certified models

GOOD | BETTER | BEST

## Floating Air™ Select

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 available

<sup>1</sup>Pro X Multi-zone 42K BTU models operate at 86% capacity at 5°F.

<sup>2</sup>Applies to FSHW091C and FSHW183D model sets.

See the below comparison chart to help you choose among Floating Air Pro X, Pro, and Select systems:



| Preliminary                                         | SYSTEM TYPE    |                |              |              |                  |              |                           |                           |                                      |
|-----------------------------------------------------|----------------|----------------|--------------|--------------|------------------|--------------|---------------------------|---------------------------|--------------------------------------|
|                                                     | WALL-MOUNTED   |                |              |              | CEILING CASSETTE |              | CONCEALED DUCTED          |                           | AIR HANDLER                          |
|                                                     | SINGLE-ZONE    |                |              | MULTI-ZONE   | SINGLE-ZONE      | MULTI-ZONE   | SINGLE-ZONE               | MULTI-ZONE                | MULTI-ZONE                           |
| ZONES                                               |                |                |              |              |                  |              |                           |                           |                                      |
| <b>Floating Air™ Series</b>                         | <b>Select</b>  | <b>Pro</b>     | <b>Pro X</b> | <b>Pro X</b> | <b>Pro X</b>     | <b>Pro X</b> | <b>Pro X The Insider®</b> | <b>Pro X The Insider®</b> | <b>Pro X</b>                         |
| <b>FastPro® Design</b>                              | •              | •              | •            | •            | —                | —            | —                         | —                         | —                                    |
| Built-in Wi-Fi Models, <b>ComfortPro</b> Mobile App | •              | •              | •            | •            | •                | •            | —                         | —                         | —                                    |
| Available Voltage                                   | 115V, 230/208V | 115V, 230/208V | 230/208V     | 230/208V     | 230/208V         | 230/208V     | 230/208V                  | 230/208V                  | 230/208V                             |
| SEER2 (Up To)                                       | 21.0           | 25.0           | TBD          | 23.0         | 20.0             | TBD          | 19.5                      | TBD                       | TBD                                  |
| HSPF2 (Up To)                                       | 9.8            | 11.0           | TBD          | 10.0         | 10.5             | TBD          | 10.0                      | TBD                       | TBD                                  |
| Heat Pump Capacity at 5°F*                          | 55-83%         | 75-100%        | 100%         | 86-100%      | 100%             | 86-100%      | 100%                      | 86-100%                   | 86-100%                              |
| 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                       | -4°F           | -13°F          | -22°F        | -13°F        | -22°F            | -13°F        | -22°F                     | -13°F                     | -13°F                                |
| <b>Diamonblue™</b> Advanced Corrosion Protection    | •              | •              | •            | •            | •                | •            | •                         | •                         | •                                    |
| Wall Controller Option with 7-day programmability   | •              | •              | •            | •            | •                | •            | Included                  | Included                  | Compatible with most 24V thermostats |
| Wireless Remote Control                             | •              | •              | •            | •            | •                | •            | —                         | —                         | —                                    |
| Auto Changeover                                     | •              | •              | •            | —            | •                | —            | •                         | —                         | —                                    |
| 4-Way Auto Swing                                    | 2-way          | •              | •            | •            | •                | •            | —                         | —                         | —                                    |
| Washable Air Filter                                 | •              | •              | •            | •            | •                | •            | •                         | •                         | —                                    |

\* Select Single capacity at 5°F: 9K & 12K (115V & 230V) = 63%, 18K = 83%, 24K = 77%, 36K = 57%

Pro Single capacity at 5°F: 9K (115V) & 12K (230V) = 92%, 12K (115V) = 77%, 9K (230V) & 18K = 100%, 24K = 83%

Pro X Multi-Zone capacity at 5°F: 42K = 86%, all remaining models = 100%

# Floating Air® SELECT WALL-MOUNTED HEAT PUMPS

FEATURING **FastPro®** DESIGN

GOOD | BETTER | BEST

## Key Features

- Precision Inverter® technology (variable speed compressor)
- Soft-Start™ compressor
- BLDC motor
- Built-in Wi-Fi
- Ultra quiet operation
- Sleep mode
- ENERGY STAR® certified models
- Easy-to-read temperature display
- Wireless remote
- Efficiencies of up to 21.0 SEER2
- Low ambient cooling operation down to 5°F

 indicates sustainability feature

SMART HOME  
READY

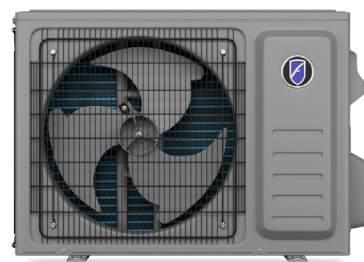


## Single-Zone

### 115 VOLT MODELS:



FAHSW09A1C, FAHSW12A1C

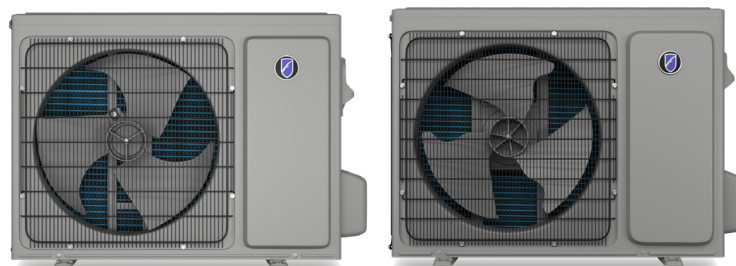


FHSR09B1C, FHSR12B1C

### 230/208 VOLT MODELS:



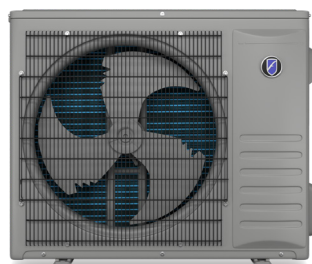
FAHFW18A3D, FAHFW24A3D



FHSR18B3D, FHSR24B3D



FAHSW36A3D



FHSR36B3D



# FLOATING AIR™ SELECT | SINGLE-ZONE | WALL-MOUNTED HEAT PUMPS

Preliminary

| 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/ph/Hz     | 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                    | 11.95                    | 10.60                    | 9.45                     |
|                      | SEER2                                                  | Btu/h/W     | 20.00                    | 18.00                    | 21.00                    | 19.50                    | 20.00                    |
|                      | Working Temperature Range                              | °F          | 5°F–118°F                | 5°F–118°F                | 5°F–118°F                | 5°F–118°F                | 5°F–118°F                |
| 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             |
|                      | COP2 @ 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                   |
|                      | Working Temperature Range                              | °F          | -5°F–75°F                | -5°F–75°F                | -5°F–75°F                | -5°F–75°F                | -5°F–75°F                |
| 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          | 1059/1018/883/712        |
|                      | Indoor Sound Pressure (Max./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                    |
|                      | Outdoor Sound Pressure                                 | 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) | 6.70                     | 10.65                    | 6.40                     | 10.00                    | 16.00                    |
|                      |                                                        | Cooling (W) | 720                      | 1,176                    | 1,506                    | 2,264                    | 3,660                    |
|                      |                                                        | Heating (A) | 6.20                     | 9.56                     | 8.10                     | 9.50                     | 14.20                    |
|                      |                                                        | 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                       | 25.8                     |
|                      | Communication Wire Size and Type                       |             | 4 x 18AWG                | 4 x 18AWG                | 4 x 18AWG                | 4 x 18AWG                | 4 x 18AWG                |
| 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.         | 66                       | 66                       | 98                       | 98                       | 98                       |
|                      | Max. Elevation (Indoor Units Higher Than Outdoor Unit) | ft.         | 49                       | 49                       | 49                       | 49                       | 49                       |
|                      | Pre-charge Pipe Length                                 | ft.         | 25                       | 25                       | 25                       | 25                       | 25                       |
|                      | Additional Refrigerant Charge per Foot After 25 ft.    | oz./ft.     | 0.22                     | 0.22                     | 0.22                     | 0.32                     | 0.43                     |
| INDOOR UNIT          | Dimension (W×H×D)                                      | in. 1/8ths  | 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. 1/8ths  | 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          | 930×380×285              | 930×380×285              | 1,215×410×330            | 1,215×410×330            | 1,425×395×460            |
|                      | Net Weight                                             | lbs.        | 22                       | 22                       | 32                       | 34                       | 41                       |
|                      |                                                        | kg          | 10                       | 10                       | 15                       | 16                       | 19                       |
|                      | Shipping Weight                                        | lbs.        | 26                       | 27                       | 37                       | 40                       | 50                       |
|                      |                                                        | kg          | 12                       | 12                       | 17                       | 18                       | 23                       |
| OUTDOOR UNIT         | Dimension (W×H×D)                                      | in. 1/8ths  | 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          | 715x540x240              | 715x540x240              | 810x585x280              | 860x650x310              | 900x750x340              |
|                      | Packing (L×H×W)                                        | in. 1/8ths  | 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          | 830x588x340              | 830x588x340              | 940x640x385              | 995x720x420              | 1,060x820x450            |
|                      | Net Weight                                             | lbs.        | 53                       | 57                       | 86                       | 101                      | 121                      |
|                      |                                                        | kg          | 24                       | 26                       | 39                       | 46                       | 55                       |
|                      | Shipping Weight                                        | lbs.        | 57                       | 62                       | 93                       | 110                      | 132                      |
|                      |                                                        | kg          | 26                       | 28                       | 42                       | 50                       | 60                       |



# Floating Air® PRO WALL-MOUNTED HEAT PUMPS

FEATURING **FastPro®** DESIGN

GOOD | **BETTER** | BEST

 indicates sustainability feature

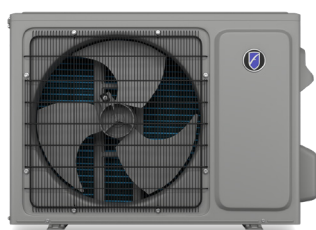
## Key Features

-  **Precision Inverter®** technology (variable speed compressor)
-  **Soft-Start™** compressor
-  BLDC motor
-  Built-in Wi-Fi
- Ultra quiet operation
-  Sleep mode
-  All ENERGY STAR® certified models
-  All ENERGY STAR® Cold-Climate Heat Pump certified models
- Easy-to-read temperature display
- Low ambient heat pump operation down to -13
- Low ambient cooling operation down to 5°F
- Wireless remote

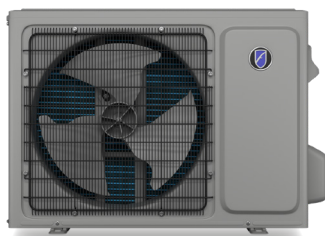
SMART HOME  
READY



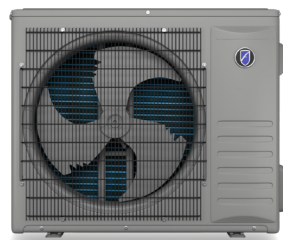
## Single-Zone



FPHSR09A1C, FPHSR12A1C,  
FPHSR09A3D, FPHSR12A3D



FPHSR18A3D



FPHSR24A3D

**Pro**  **HIGH EFFICIENCY COOLING**

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

### 115 VOLT MODELS:



FPHSW09A1C and FAHSW12A1C

### 230/208 VOLT MODELS:



FPHSR09A3D, FPHSR12A3D, FPHSR18A3D,  
FPHSR24A3D



**FreshAir®** IAQ READY



Standard

With Registration



# FLOATING AIR™ PRO | SINGLE-ZONE | WALL-MOUNTED HEAT PUMPS

Preliminary

| 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                                           |            | 115V~,60Hz,1P           |                         |                         | 208V/230V~,60Hz,1P      |                          |                          |
| COOLING               | ENERGY STAR® Standard                                  | Y/N        | Y                       | Y                       | Y                       | Y                       | Y                        | Y                        |
|                       | ENERGY STAR – Cold Climate                             | Y/N        | Y                       | Y                       | Y                       | Y                       | Y                        | Y                        |
|                       | 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                    |
| HEATING               | SEER2                                                  | Btu/h/W    | 23.00                   | 22.00                   | 25.00                   | 23.00                   | 21.00                    | 22.50                    |
|                       | Working Temperature Range                              | °F         | 5°F–118°F               | 5°F–118°F               | 5°F–118°F               | 5°F–118°F               | 5°F–118°F                | 5°F–118°F                |
|                       | 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             |
|                       | COP2 @ 47°F                                            | W/W        | 3.98                    | 3.98                    | 4.00                    | 3.80                    | 3.70                     | 3.60                     |
| INDOOR AIRFLOW        | 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 @ -13°F (-25°C)               | Btu/h      | 4,600                   | 5,900                   | 5,400                   | 6,100                   | 11,500                   | 12,100                   |
| INDOOR FAN MOTOR      | Working Temperature Range                              | °F         | -13°F–75°F              | -13°F–75°F              | -13°F–75°F              | -13°F–75°F              | -13°F–75°F               | -13°F–75°F               |
|                       | 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          |
|                       | Indoor Sound Pressure (Max./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           |
|                       | Output                                                 | W          | 46                      | 46                      | 25                      | 25                      | 35                       | 35                       |
|                       | Speed (High/Med/Low)                                   | r/min      | 1,100/940/800           | 1,154/992/800           | 1,100/940/800           | 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                    |
|                       | Outdoor Sound Pressure                                 | dB(A)      | 53.0                    | 53.0                    | 53.0                    | 53.0                    | 58.0                     | 61.0                     |
|                       | Output                                                 | W          | 36                      | 36                      | 36                      | 36                      | 60                       | 102                      |
|                       | Speed (High)                                           | r/min      | 850                     | 880                     | 880                     | 880                     | 840                      | 880                      |
|                       | Rated Current                                          |            |                         |                         |                         |                         |                          |                          |
| ELECTRICAL            | Cooling (A)                                            |            | 6.00                    | 6.00                    | 2.50                    | 4.30                    | 6.10                     | 8.70                     |
|                       | Cooling (W)                                            |            | 641                     | 980                     | 659                     | 980                     | 1,390                    | 1,959                    |
|                       | Heating (A)                                            |            | 6.40                    | 6.40                    | 3.10                    | 4.10                    | 6.50                     | 9.30                     |
|                       | Heating (W)                                            |            | 696                     | 960                     | 659                     | 926                     | 1,426                    | 1,954                    |
|                       | MOP (Rating of Overcurrent Protective Device)          | A          | 25                      | 25                      | 15                      | 15                      | 30                       | 35                       |
| REFRIGERATION (R454B) | MCA (Minimum Circuit Ampacity)                         | A          | 16                      | 16                      | 9.5                     | 10.5                    | 20                       | 22                       |
|                       | Communication Wire Size and Type                       |            | 4 x 18AWG               | 4 x 18AWG               | 4 x 18AWG               | 4 x 18AWG               | 4 x 18AWG                | 4 x 18AWG                |
|                       | 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                      |
| INDOOR UNIT           | Gas Pipe                                               | in.        | 3/8                     | 3/8                     | 3/8                     | 3/8                     | 1/2                      | 5/8                      |
|                       | Max. Pipe Length (Total)                               | ft.        | 66                      | 66                      | 66                      | 66                      | 98                       | 98                       |
|                       | Max. Elevation (Indoor Units Higher Than Outdoor Unit) | ft.        | 49                      | 49                      | 49                      | 49                      | 49                       | 49                       |
|                       | Pre-charge Pipe Length                                 | ft.        | 25                      | 25                      | 25                      | 25                      | 25                       | 25                       |
|                       | Additional Refrigerant Charge per Foot After 25 ft.    | oz./ft.    | 0.22                    | 0.22                    | 0.22                    | 0.22                    | 0.22                     | 0.32                     |
| OUTDOOR UNIT          | Dimension (W×H×D)                                      | in. 1/8ths | 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 |
|                       | Packing (L×H×W)                                        | mm         | 860×285×216             | 860×285×216             | 860×285×216             | 860×285×216             | 1,148×336×256            | 1,148×336×256            |
|                       | Net Weight                                             | lbs.       | 22                      | 22                      | 22                      | 22                      | 32                       | 34                       |
|                       | Shipping Weight                                        | kg         | 10                      | 10                      | 10                      | 10                      | 15                       | 16                       |
|                       |                                                        | lbs.       | 26                      | 27                      | 26                      | 27                      | 37                       | 40                       |
| OUTDOOR UNIT          |                                                        | kg         | 12                      | 12                      | 12                      | 12                      | 17                       | 18                       |
|                       | Dimension (W×H×D)                                      | in. 1/8ths | 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 |
|                       | Packing (L×H×W)                                        | mm         | 810×585×280             | 810×585×280             | 810×585×280             | 810×585×280             | 860×650×310              | 900×750×340              |
|                       | Net Weight                                             | lbs.       | 75                      | 77                      | 71                      | 71                      | 97                       | 112                      |
|                       | Shipping Weight                                        | kg         | 34                      | 35                      | 32                      | 32                      | 44                       | 51                       |
| OUTDOOR UNIT          |                                                        | lbs.       | 86                      | 86                      | 82                      | 82                      | 106                      | 121                      |
|                       |                                                        | kg         | 39                      | 39                      | 37                      | 37                      | 48                       | 55                       |



# Floating Air® PRO X WALL-MOUNTED HEAT PUMPS

FEATURING **FastPro®** DESIGN

GOOD | BETTER | **BEST**

 indicates sustainability feature

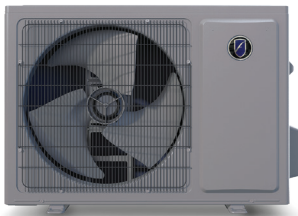
## Key Features

-  **Precision Inverter®** technology (variable speed compressor)
-  Soft-Start™ compressor
-  BLDC motor
-  Built-in Wi-Fi
- Ultra quiet operation
-  Sleep mode
-  All ENERGY STAR® certified models
-  All ENERGY STAR® Cold-Climate Heat Pump certified models
- Easy-to-read temperature display
-  Extreme cold climate heat pump performance: 100% of rated capacity at 5°F\*
- Extreme low ambient heat pump operation
- Wireless remote

SMART HOME  
READY



## Single-Zone



FPHFR09A3D, FPHFR12A3D

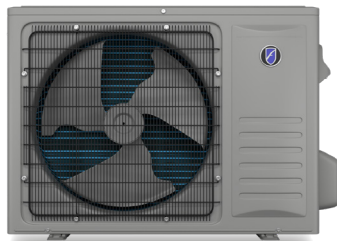


FPHFR18A3D, FPHFR24A3D

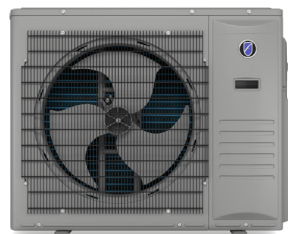
### ProX | EXTREME TEMPERATURE HEAT PUMP

- 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

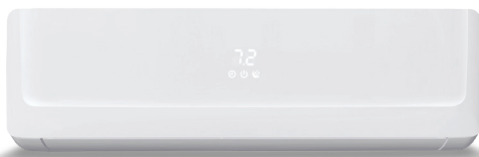


FPHMR27A3D, FPHMR36A3D,  
FPHMR42A3D

### ProX | EXTREME TEMPERATURE HEAT PUMP

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

### 115 VOLT MODELS:



FPHSW09A1C and FAHSW12A1C

### 230/208 VOLT MODELS:



FPHSR09A3D, FPHSR12A3D, FPHSR18A3D,  
FPHSR24A3D

works with  
**Google Home**

works with  
**alexa**



**FreshAir®** IAQ READY



Standard

With Registration

# FLOATING AIR™ PRO X | SINGLE-ZONE | WALL-MOUNTED HEAT PUMPS

Preliminary

| MODEL                 | Model Set                                              | Unit        | TBD                     | TBD                     | TBD                      | TBD                      |
|-----------------------|--------------------------------------------------------|-------------|-------------------------|-------------------------|--------------------------|--------------------------|
|                       | Indoor Model                                           |             | FAHFW09A3D              | FAHFW12A3D              | FAHFW18A3D               | FAHFW24A3D               |
|                       | Outdoor Model                                          |             | FPHFR09A3D              | FPHFR12A3D              | FPHFR18A3D               | FPHFR24A3D               |
|                       | Power Supply                                           | V/ph/Hz     | 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       | 3,600-10,000            | 4,000-13,000            | 6,500-19,000             | 8,000-25,000             |
|                       | EER2 @ 95°F                                            | Btu/h/W     | TBD                     | TBD                     | TBD                      | TBD                      |
|                       | SEER2                                                  | Btu/h/W     | TBD                     | TBD                     | TBD                      | TBD                      |
|                       | Working Temperature Range                              | °F          | 5°F–125°F               | 5°F–125°F               | 5°F–125°F                | 5°F–125°F                |
| HEATING               | Rated Capacity @ 47°F                                  | Btu/h       | 9,000                   | 12,000                  | 18,000                   | 24,000                   |
|                       | Heating Capacity Range (Min.–Max.)                     | Btu/h       | 3,600-10,000            | 4,000-13,000            | 6,500-19,000             | 8,000-25,000             |
|                       | COP2 @ 47°F                                            | W/W         | TBD                     | TBD                     | TBD                      | TBD                      |
|                       | COP @ 5°F                                              | W/W         | TBD                     | TBD                     | TBD                      | TBD                      |
|                       | HSPF2                                                  | Btu/h/W     | TBD                     | TBD                     | TBD                      | TBD                      |
|                       | Rated Capacity Heating @ 17°F (-8.3°C)                 | Btu/h       | TBD                     | TBD                     | TBD                      | TBD                      |
|                       | Maximum Heating Capacity @ 5°F (-15°C)                 | Btu/h       | TBD                     | TBD                     | TBD                      | TBD                      |
|                       | Maximum Heating Capacity @ -13°F (-25°C)               | Btu/h       | TBD                     | TBD                     | TBD                      | TBD                      |
|                       | Working Temperature Range                              | °F          | -22°F–75°F              | -22°F–75°F              | -22°F–75°F               | -22°F–75°F               |
|                       | Air Circulation (Max./H/M/L)                           | ft³ CFM     | 382/341/294/247         | 394/365/312/253         | 647/588/482/382          | 706/647/559/441          |
| INDOOR AIRFLOW        | Indoor Sound Pressure (Max./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           |
|                       | Output                                                 | W           | 25                      | 25                      | 35                       | 35                       |
| INDOOR FAN MOTOR      | Speed (High/Med/Low)                                   | r/min       | 1100/940/800            | 1154/992/800            | 1100/960/800             | 1200/1040/880            |
| OUTDOOR AIRFLOW       | Air Circulation (High) for Outdoor                     | ft³ CFM     | 1,354                   | 1,354                   | 1,853                    | 2,235                    |
|                       | Outdoor Sound Pressure                                 | dB(A)       | 64.0                    | 64.0                    | TBD                      | 58.0                     |
| OUTDOOR FAN MOTOR     | Output                                                 | W           | 40                      | 40                      | 60                       | 102                      |
|                       | Speed (High)                                           | r/min       | 880                     | 880                     | 880                      | 920                      |
| ELECTRICAL            | Rated Current                                          | Cooling (A) | TBD                     | TBD                     | TBD                      | TBD                      |
|                       |                                                        | Cooling (W) | TBD                     | TBD                     | TBD                      | TBD                      |
|                       |                                                        | Heating (A) | TBD                     | TBD                     | TBD                      | TBD                      |
|                       |                                                        | Heating (W) | TBD                     | TBD                     | TBD                      | TBD                      |
|                       | MOP (Rating of Overcurrent Protective Device)          | A           | TBD                     | TBD                     | TBD                      | TBD                      |
|                       | MCA (Minimum Circuit Ampacity)                         | A           | TBD                     | TBD                     | TBD                      | TBD                      |
| REFRIGERATION (R454B) | Moisture Removal                                       | pints/hr    | TBD                     | TBD                     | TBD                      | TBD                      |
|                       | Refrigerant Charge Volume                              | oz.         | TBD                     | TBD                     | TBD                      | TBD                      |
|                       | Liquid Pipe                                            | in.         | TBD                     | TBD                     | TBD                      | TBD                      |
|                       | Gas Pipe                                               | in.         | TBD                     | TBD                     | TBD                      | TBD                      |
|                       | Max. Pipe Length (Total)                               | ft.         | TBD                     | TBD                     | TBD                      | TBD                      |
|                       | Max. Elevation (Indoor Units Higher Than Outdoor Unit) | ft.         | TBD                     | TBD                     | TBD                      | TBD                      |
|                       | Pre-charge Pipe Length                                 | ft.         | TBD                     | TBD                     | TBD                      | TBD                      |
|                       | Additional Refrigerant Charge per Foot After 25 ft.    | oz./ft.     | TBD                     | TBD                     | TBD                      | TBD                      |
| INDOOR UNIT           | Dimension (W×H×D)                                      | in. 1/8ths  | 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. 1/8ths  | 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                      | 22                      | 32                       | 34                       |
|                       |                                                        | kg          | 10                      | 10                      | 15                       | 16                       |
| OUTDOOR UNIT          | Shipping Weight                                        | lbs.        | 26                      | 27                      | 37                       | 40                       |
|                       |                                                        | kg          | 12                      | 12                      | 17                       | 18                       |
|                       | Dimension (W×H×D)                                      | in. 1/8ths  | 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. 1/8ths  | 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                      | 79                      | 97                       | 117                      |
|                       |                                                        | kg          | 36                      | 36                      | 46                       | 53                       |
|                       | Shipping Weight                                        | lbs.        | 86                      | 86                      | 106                      | 126                      |
|                       |                                                        | kg          | 39                      | 39                      | 50                       | 57                       |



Standard With Registration



## FLOATING AIR™ PRO X | MULTI-ZONE | WALL-MOUNTED HEAT PUMPS

Preliminary

| MODEL                | Indoor Model                              | Unit       | FAHFW07A3D           | 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         | 3,600-10,000        | 4,000-13,000        | 6,500-19,000        | 8,000-25,000        |
| HEATING              | Rated Capacity @ 47°F                     | Btu/h      | 7,000                | 9,000               | 12,000              | 18,000              | 24,000              |
|                      | Heating Capacity Range (Min.-Max.)        | Btu/h      | 3,600-10,000         | 3,600-10,000        | 4,000-13,000        | 6,500-19,000        | 8,000-25,000        |
| 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     |
|                      | Indoor Sound Pressure (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        | 1,101/938/800       | 1,154/992/800       | 1,100/960/800       | 1,200/1,040/880     |
| REFRIGERATION        | Moisture Removal                          | pints/hr   | 1.9                  | 1.9                 | 2.5                 | 3.2                 | 4.7                 |
|                      | Connection                                |            | Flare                | Flare               | Flare               | Flare               | Flare               |
| DIMENSIONS & WEIGHTS | Dimension (W×H×D)                         | in. 1/8ths | 33-7/8×11-1/4×8-1/2  | 33-7/8×11-1/4×8-1/2 | 33-7/8×11-1/4×8-1/2 | 43-5/16×13-1/4×10   | 43-5/16×13-1/4×10   |
|                      |                                           | mm         | 860×285×216          | 860×285×216         | 860×285×216         | 1,148×336×256       | 1,148×336×256       |
|                      | Packing (L×H×W)                           | in. 1/8ths | 36-9/16×15×11-3/16   | 36-9/16×15×11-3/16  | 36-9/16×15×11-3/16  | 47-13/16×15-3/16×13 | 47-13/16×15-3/16×13 |
|                      |                                           | 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™ PRO X | MULTI-ZONE | OUTDOOR UNITS

For Outdoor Model Specs, see page 24.

# Floating Air® PRO X CEILING CASSETTE HEAT PUMPS

GOOD | BETTER | BEST

## Key Features

- Precision Inverter® technology (variable speed compressor)
- BLDC motor
- Soft-Start™ compressor
- 360/8-way air flow
- Built-in Wi-Fi
- Sleep mode
- Independent vane control
- 3 fan speeds
- Ultra-quiet turbo fan
- Evaporator frost control
- Clean, modern look

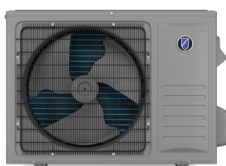
 indicates sustainability feature

- Flexible installation
- All ENERGY STAR® certified models
- All ENERGY STAR® Cold-Climate Heat Pump certified models
- Precise air distribution
- Wireless remote

SMART HOME READY



## Single-Zone

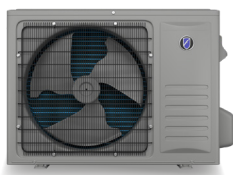


FPHFR09A3D, FPHFR12A3D, FPHFR18A3D, FPHFR24A3D, FPHFR36A3D

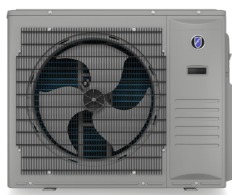
## ProX EXTREME TEMPERATURE HEAT PUMP

- 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



## ProX EXTREME TEMPERATURE HEAT PUMP

- Low ambient heat pump operation down to -13°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™ PRO X | SINGLE-ZONE | CEILING CASSETTE HEAT PUMPS

Preliminary

| 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                                           |                      | 208V/230V~, 60Hz, 1P     |                          |                          |                          |                          |
| COOLING               | ENERGY STAR® Standard                                  | Y/N                  | Y                        | Y                        | Y                        | Y                        | Y                        |
|                       | ENERGY STAR – Cold Climate                             | Y/N                  | Y                        | Y                        | Y                        | Y                        | Y                        |
|                       | 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                    |
| HEATING               | SEER2                                                  | Btu/h/W              | 20.00                    | 20.00                    | 20.00                    | 20.00                    | 19.50                    |
|                       | Working Temperature Range                              | °F                   | 5°F–125°F                | 5°F–125°F                | 5°F–125°F                | 5°F–125°F                | 5°F–125°F                |
|                       | 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            |
|                       | COP2 @ 47°F                                            | W/W                  | 3.52                     | 3.52                     | 3.38                     | 3.90                     | 3.70                     |
| INDOOR AIRFLOW        | 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                    | 18,000                   | 18,000                   | 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                    | TBD                      | TBD                      | 25,200                   |
| FAN MOTOR             | Working Temperature Range                              | °F                   | -22°F–75°F               | -22°F–75°F               | -22°F–75°F               | -22°F–75°F               | -22°F–75°F               |
|                       | Air Circulation (H/M/L)                                | ft. <sup>3</sup> CFM | 341/341/294/235          | 341/341/294/235          | 643/643/554/465          | 643/643/554/465          | 1,030/1,030/883/736      |
|                       | Indoor Sound Pressure (H/M/L/Quiet)                    | dB(A)                | TBD                      | TBD                      | TBD                      | TBD                      | TBD                      |
|                       | Output                                                 | W                    | 57                       | 57                       | TBD                      | TBD                      | 105                      |
|                       | Speed (High/Med/Low)                                   | r/min                | 700/600/500              | 700/600/500              | 520/440/370              | 520/440/370              | 660/560/480              |
| OUTDOOR AIRFLOW       | Air Circulation (High) for Outdoor                     | ft. <sup>3</sup> CFM | 1,354                    | 1,354                    | 1,853                    | 2,235                    | 3,350                    |
|                       | Outdoor Sound Pressure                                 | dB(A)                | 64.0                     | 64.0                     | TBD                      | 58.0                     | 74.0                     |
|                       | Output                                                 | W                    | 40                       | 40                       | 60                       | 102                      | 250                      |
|                       | Speed (High)                                           | r/min                | 880                      | 880                      | 880                      | 920                      | 850                      |
|                       |                                                        |                      |                          |                          |                          |                          |                          |
| ELECTRICAL            | Rated Current                                          | Cooling (A)          | 3.00                     | 4.30                     | 6.30                     | 8.50                     | 14.20                    |
|                       |                                                        | Cooling (W)          | 750                      | 1,000                    | 1,500                    | 1,950                    | 3,000                    |
|                       |                                                        | Heating (A)          | 3.00                     | 4.25                     | 6.78                     | 7.80                     | 13.50                    |
|                       |                                                        | Heating (W)          | 750                      | 1,000                    | 1,560                    | 1,800                    | 2,850                    |
|                       | MOP (Rating of Overcurrent Protective Device)          | A                    | 20                       | 20                       | 20                       | 40                       | 50                       |
| REFRIGERATION (R454B) | MCA (Minimum Circuit Ampacity)                         | A                    | 12                       | 12                       | TBD                      | TBD                      | 30                       |
|                       | Communication Wire Size and Type                       |                      | 4 x 16AWG                | 4 x 16AWG                | 4 x 16AWG                | 4 x 16AWG                | 4 x 16AWG                |
|                       | Moisture Removal                                       | pints/hr             | 2.0                      | 3.1                      | TBD                      | TBD                      | 9.6                      |
|                       | Refrigerant Charge Volume                              | oz.                  | 38.1                     | 38.1                     | TBD                      | TBD                      | 112.8                    |
|                       | Liquid Pipe                                            | in.                  | 1/4                      | 1/4                      | 1/4                      | 3/8                      | 3/8                      |
| INDOOR UNIT           | 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                       | 98                       | 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 GRILLE         | Dimension (W×H×D)                                      | in. 1/8ths           | 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×H×W)                                        | in. 1/8ths           | 28-3/4 × 26-1/4 × 11-1/2 | 28-3/4 × 26-1/4 × 11-1/2 | 37-3/8 × 37-3/8 × 12-5/8 | 37-3/8 × 37-3/8 × 12-5/8 | 37-3/8 × 14-1/8 × 37-3/8 |
|                       |                                                        | mm                   | 730×668×292              | 730×668×292              | 950×950×320              | 950×950×320              | 950×360×950              |
|                       | Net Weight                                             | lbs.                 | 34                       | 34                       | 51                       | 51                       | 60                       |
| OUTDOOR UNIT          |                                                        | kg                   | 16                       | 16                       | 23                       | 23                       | 27                       |
|                       | Shipping Weight                                        | lbs.                 | 41                       | 41                       | 62                       | 62                       | 71                       |
|                       |                                                        | kg                   | 19                       | 19                       | 28                       | 28                       | 32                       |
|                       | Dimension (W×H×D)                                      | in. 1/8ths           | 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              | 1100×875×450             |
| DECORATIVE GRILLE     | Packing (L×H×W)                                        | in. 1/8ths           | 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                       | 79                       | 97                       | 117                      | 185                      |
|                       |                                                        | kg                   | 36                       | 36                       | 46                       | 53                       | 84                       |
|                       | Shipping Weight                                        | lbs.                 | 86                       | 86                       | 106                      | 126                      | 209                      |
| FPCG0912A             |                                                        | kg                   | 39                       | 39                       | 50                       | 57                       | 95                       |
|                       | Dimension (W×H×D)                                      | in. 1/8ths           | 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×H×W)                                        | in. 1/8ths           | 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 × 4-1/8 × 39-3/8  |
|                       |                                                        | mm                   | 690×680×115              | 690×680×115              | 1,020×1,000×105          | 1,020×1,000×105          | 1,020×105×1,000          |
| FPCG182436A           | Net Weight                                             | lbs.                 | 6                        | 6                        | 14                       | 14                       | 14                       |
|                       |                                                        | kg                   | 3                        | 3                        | 7                        | 7                        | 7                        |
|                       | Shipping Weight                                        | lbs.                 | 10                       | 10                       | 20                       | 20                       | 20                       |
|                       |                                                        | kg                   | 5                        | 5                        | 9                        | 9                        | 9                        |
|                       |                                                        |                      |                          |                          |                          |                          |                          |



## Ceiling Cassette Grilles

(Required)



FPCG0912A



FPCG182436A

## DECORATIVE GRILLE

FPCG0912A

FITS  
FPHFC09A3D,  
FPHFC12A3D

FPCG182436A

FITS  
FPHFC18A3D,  
FPHFC24A3D,  
FPHFC36A3D



# FLOATING AIR™ PRO X | MULTI-ZONE | CEILING CASSETTE HEAT PUMPS

Preliminary

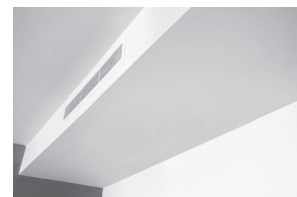
| MODEL                | Indoor Model                       | Unit       | FPHFC09A3D           | FPHFC12A3D           | FPHFC18A3D   | FPHFC24A3D   |
|----------------------|------------------------------------|------------|----------------------|----------------------|--------------|--------------|
|                      | 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      | 5,500-18000          | 5,500-18,000         | 8,500-24,000 | 7,380-30,000 |
| AIRFLOW              | Air Circulation (H/M/L)            | ft³ CFM    | 341/294/235          | 341/294/235          | 588/500/394  | 647/530/400  |
|                      | Indoor Sound Pressure (H/M/L)      | dB(A)      | 52/32/29             | 52/37/33             | 39/32/29     | 44/40/38     |
| FAN MOTOR            | Output                             | W          | 1/13HP               | 1/13HP               | TBD          | TBD          |
|                      | Speed (High/Med/Low)               | r/min      | 700/600/500          | 700/600/500          | TBD          | 660/560/480  |
| REFRIGERATION        | Moisture Removal                   | pints/hr   | 1.9                  | 2.5                  | 3.2          | 4.7          |
|                      | Connection                         |            | Flare                | Flare                | Flare        | Flare        |
| DIMENSIONS & WEIGHTS | Dimension (W×H×D)                  | in. 1/8ths | 22-1/2×8-1/2×22-1/2  | 22-1/2×8-1/2×22-1/2  | TBD          | TBD          |
|                      |                                    | mm         | 570×215×570          | 570×215×570          | TBD          | TBD          |
|                      | Packing (L×H×W)                    | in. 1/8ths | 28-3/4×26-1/4×11-1/2 | 28-3/4×26-1/4×11-1/2 | TBD          | TBD          |
|                      |                                    | mm         | 730×668×292          | 730×668×292          | TBD          | TBD          |
|                      | Net Weight                         | lbs.       | 34.2                 | 34.2                 | TBD          | TBD          |
|                      |                                    | kg         | 15.5                 | 15.5                 | TBD          | TBD          |
|                      | Shipping Weight                    | lbs.       | 40.8                 | 40.8                 | TBD          | TBD          |
|                      |                                    | kg         | 18.5                 | 18.5                 | TBD          | TBD          |
| INDOOR GRILLE        | Dimension (W×H×D)                  | in. 1/8ths | 24-3/8×1-5/8×24-3/8  | 24-3/8×1-5/8×24-3/8  | TBD          | TBD          |
|                      |                                    | mm         | 620×40×620           | 620×40×620           | TBD          | TBD          |
|                      | Packing (L×H×W)                    | in. 1/8ths | 27-1/8×26-3/4×4-1/2  | 27-1/8×26-3/4×4-1/2  | TBD          | TBD          |
|                      |                                    | mm         | 690×680×115          | 690×680×115          | TBD          | TBD          |
|                      | Net Weight                         | lbs.       | 5.7                  | 5.7                  | TBD          | TBD          |
|                      |                                    | kg         | 2.6                  | 2.6                  | TBD          | TBD          |
|                      | Shipping Weight                    | lbs.       | 9.9                  | 9.9                  | TBD          | TBD          |
|                      |                                    | kg         | 4.5                  | 4.5                  | TBD          | TBD          |



## FLOATING AIR™ PRO X | MULTI-ZONE | OUTDOOR UNITS

For Outdoor Model Specs, see page 24.

# Floating Air® PRO X THE INSIDER® CONCEALED DUCTED HEAT PUMPS



GOOD | BETTER | BEST

## Key Features

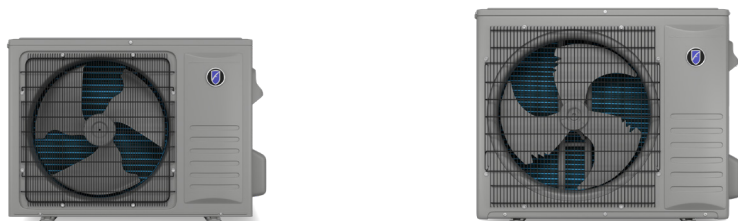
- ✓ Precision Inverter® technology (variable speed compressor)
- ✓ Soft-Start™ compressor
- ✓ BLDC motor
- 3 fan speeds

- Control lock function on controller
- External static pressure range 0-.40 (single-zone) *PRELIMINARY*
- External static pressure range 9K/12K/18K/24K 0-.40 WC (Multi-zone) *PRELIMINARY*

✓ indicates sustainability feature

- ✓ All ENERGY STAR® certified models
- ✓ All ENERGY STAR® Cold-Climate Heat Pump certified models

## Single-Zone

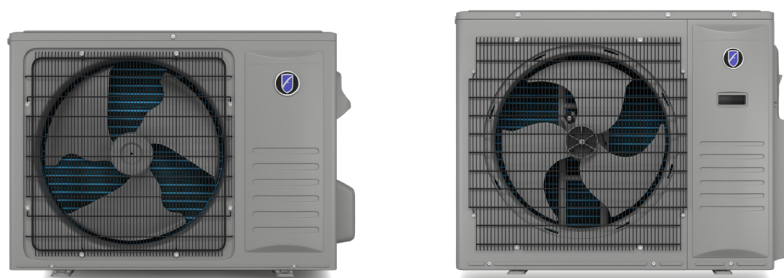


FPHFR09A3D, FPHFR12A3D, FPHFR18A3D, FPHFR24A3D, FPHFR36A3D

## ProX EXTREME TEMPERATURE HEAT PUMP

- Low ambient heat pump operation down to -22°F
- Low ambient cooling operation down to 5°F

## Multi-Zone



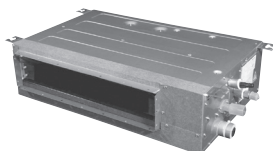
FPHMR18A3D

FPHMR27A3D, FPHMR36A3D, FPHMR42A3D

## ProX EXTREME TEMPERATURE HEAT PUMP

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

## Concealed Ducted



FPHFD09A3D, FPHFD12A3D, FPHFD18A3D, FPHFD24A3D, FPHSD36A3D



# FLOATING AIR™ PRO X | SINGLE-ZONE | THE INSIDER® CONCEALED DUCTED HEAT PUMPS

Preliminary

| MODEL                 | Model Set                                              | Unit              | FPHD093D                 | FPHD123D                 | FPHD183D                 | FPHC243D                 | FPHC363D                 |
|-----------------------|--------------------------------------------------------|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                       | Indoor Model                                           |                   | FPHFC09A3D               | FPHFC12A3D               | FPHFC18A3D               | FPHFC24A3D               | FPHSC36A3D               |
|                       | Outdoor Model                                          |                   | FPHFR09A3D               | FPHFR12A3D               | FPHFR18A3D               | FPHFR24A3D               | FPHFR36A3D               |
|                       | Power Supply                                           |                   | 208V/230V~,60Hz,1P       |                          |                          |                          |                          |
|                       | ENERGY STAR® Standard                                  |                   | Y                        | Y                        | Y                        | Y                        | Y                        |
| COOLING               | ENERGY STAR – Cold Climate                             | Y/N               | Y                        | Y                        | Y                        | Y                        | Y                        |
|                       | 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             | 5,400-29,000             | 9,000-30,000             | 12,000-45,000            |
|                       | EER2 @ 95°F                                            | Btu/h/W           | 3.43                     | 3.43                     | 11.70                    | 11.80                    | 3.43                     |
|                       | SEER2                                                  | Btu/h/W           | 19.50                    | 19.50                    | 19.00                    | 19.00                    | 18.50                    |
| HEATING               | Working Temperature Range                              | °F                | 5°F–125°F                | 5°F–125°F                | 5°F–125°F                | 5°F–125°F                | 5°F–125°F                |
|                       | 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             | 5,400-29,000             | TBD                      | 11,000-45,000            |
|                       | COP2 @ 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                     | 1.99                     | 2.00                     |
|                       | HSPF2                                                  | Btu/h/W           | 9.50                     | 9.50                     | 9.00                     | 10.00                    | 9.00                     |
|                       | Rated Capacity Heating @ 17°F (-8.3°C)                 | Btu/h             | 8,700                    | 8,700                    | 18,000                   | 20,000                   | 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                    | TBD                      | TBD                      | 25,200                   |
|                       | Working Temperature Range                              | °F                | -22°F–75°F               | -22°F–75°F               | -22°F–75°F               | -22°F–75°F               | -22°F–75°F               |
| 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    |
|                       | Indoor Sound Pressure (Max/H/M/L/Quiet)                | dB (A)            | TBD                      | TBD                      | TBD                      | TBD                      | TBD                      |
|                       | ESP (in-H2O)                                           | Rated with filter | 0.10                     | 0.10                     | 0.18                     | 0.49                     | 0.49                     |
|                       |                                                        | Range with filter | 0-0.12                   | 0-0.12                   | 0-0.56                   | 0-0.60                   | 0-0.71                   |
| INDOOR FAN MOTOR      | Output                                                 | W                 | 37                       | 37                       | TBD                      | TBD                      | 322                      |
|                       | Speed (Hi/Med/Lo)                                      | r/min             | 1,110/1,000/800          | 1,110/1,000/800          | 910/820/720              | 1,380/1,230/1,080        | 1,260/1,150/1,020        |
| OUTDOOR AIRFLOW       | Air Circulation (Hi) for Outdoor                       | ft3 CFM           | 1,354                    | 1,354                    | 1,853                    | 2,235                    | 3,350                    |
|                       | Outdoor Sound pressure                                 | dB (A)            | 64.0                     | 64.0                     | TBD                      | 58.0                     | 74.0                     |
| OUTDOOR FAN MOTOR     | Output                                                 | W                 | 40                       | 40                       | 60                       | 102                      | 250                      |
|                       | Speed (Hi)                                             | r/min             | 880                      | 880                      | 880                      | 920                      | 850                      |
| ELECTRICAL            | Rated Current                                          | Cooling (A)       | 3.10                     | 4.50                     | 6.60                     | 8.91                     | 13.40                    |
|                       |                                                        | Cooling (W)       | 769                      | 1,025                    | 1,538                    | 2,020                    | 2,820                    |
|                       |                                                        | Heating (A)       | 2.86                     | 4.30                     | 6.80                     | 8.74                     | 13.80                    |
|                       |                                                        | Heating (W)       | 750                      | 1,000                    | 1,538                    | 2,000                    | 2,900                    |
|                       | MOP (Rating of Overcurrent Protective Device)          | A                 | 20                       | 20                       | 20                       | 40                       | 50                       |
|                       | MCA (Minimum Circuit Ampacity)                         | A                 | 12                       | 12                       | 13                       | 25                       | 30                       |
| REFRIGERATION (R454B) | Communication Wire Size and Type                       |                   | 4 x 16AWG                | 4 x 16AWG                | 4 x 16AWG                | 4 x 16AWG                | 4 x 16AWG                |
|                       | Moisture Removal                                       | pints/hr          | 2.4                      | 3.7                      | TBD                      | TBD                      | 9.6                      |
|                       | 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           | Dimension (W×H×D)                                      | in. 1/8ths        | 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  | 47-1/4 × 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              | 1100×245×700             | 1400×300×800             |
|                       | Packing (L×H×W)                                        | in. 1/8ths        | 42-1/2 × 22-1/4 × 11-1/4 | 42-1/2 × 22-1/4 × 11-1/4 | 38-5/8 × 31-7/8 × 12-3/8 | 51×32-5/8 × 12-3/8       | 62-1/4 × 15 × 36-1/4     |
|                       |                                                        | mm                | 1080×565×285             | 1080×565×285             | 980×810×315              | 1295×830×315             | 1580×380×920             |
|                       | Net Weight                                             | lbs.              | 44                       | 44                       | 58                       | 74                       | 112                      |
|                       |                                                        | kg                | 20                       | 20                       | 27                       | 34                       | 51                       |
| OUTDOOR UNIT          | Shipping Weight                                        | lbs.              | 52                       | 52                       | 68                       | 85                       | 126                      |
|                       |                                                        | kg                | 24                       | 24                       | 31                       | 39                       | 57                       |
|                       | Dimension (W×H×D)                                      | in. 1/8ths        | 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              | 1100×875×450             |
|                       | Packing (L×H×W)                                        | in. 1/8ths        | 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                       | 79                       | 97                       | 117                      | 185                      |
|                       |                                                        | kg                | 36                       | 36                       | 46                       | 53                       | 84                       |
|                       | Shipping Weight                                        | lbs.              | 86                       | 86                       | 106                      | 126                      | 209                      |
|                       |                                                        | kg                | 39                       | 39                       | 50                       | 57                       | 95                       |



# FLOATING AIR™ PRO X | MULTI-ZONE | THE INSIDER® CONCEALED DUCTED HEAT PUMPS

Preliminary

| 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      | 4,300-1,4500         | 4,300-1,4500         | 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      | 5,300-18000          | 5,300-18,000         | 8,500-24,000         | 7,380-30,000 |
| AIRFLOW              | Air Circulation (H/M/L)            | ft³ CFM    | 550/500/400          | 550/500/400          | TBD                  | TBD          |
|                      | Indoor Sound Pressure (H/M/L)      | dB(A)      | 52/32/29             | 52/37/33             | 39/32/29             | 44/40/38     |
| FAN MOTOR            | Output                             | W          | 1/20HP               | 1/20HP               | TBD                  | TBD          |
|                      | Speed (High/Med/Low)               | r/min      | 1,110/1,000/800      | 1,110/1,000/800      | TBD                  | TBD          |
| REFRIGERATION        | Moisture Removal                   | pints/hr   | 2.0                  | 3.0                  | 5.0                  | 1.9          |
|                      | Connection                         |            | Flare                | Flare                | Flare                | Flare        |
| DIMENSIONS & WEIGHTS | Dimension (W×H×D)                  | in. 1/8ths | 35-7/8×7-1/2×17-5/8  | 35-7/8×7-1/2×17-5/8  | 33-7/8×26-3/8×12-1/4 | TBD          |
|                      |                                    | mm         | 910×190×447          | 910×190×447          | 860×670×310          | TBD          |
|                      | Packing (L×H×W)                    | in. 1/8ths | 42-1/2×22-1/4×11-1/4 | 42-1/2×22-1/4×11-1/4 | 39×28-3/4×17-3/4     | TBD          |
|                      |                                    | mm         | 1,080×565×285        | 1,080×565×285        | 990×730×450          | TBD          |
|                      | Net Weight                         | lbs.       | 44.1                 | 44.1                 | 105.8                | TBD          |
|                      |                                    | kg         | 20.0                 | 20.0                 | 48.0                 | TBD          |
|                      | Shipping Weight                    | lbs.       | 51.8                 | 51.8                 | 114.6                | TBD          |
|                      |                                    | kg         | 23.5                 | 23.5                 | 52.0                 | TBD          |

Standard

With Registration



## FLOATING AIR™ PRO X | MULTI-ZONE | OUTDOOR UNITS

For Outdoor Model Specs, see page 22.

# Floating Air® PRO X AIR HANDLER

GOOD | BETTER | BEST

 indicates sustainability feature

## Key Features

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

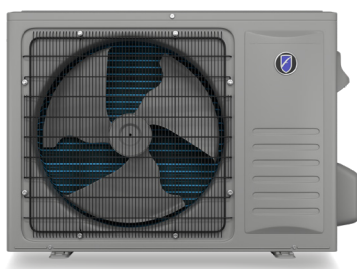
## Multi-Zone



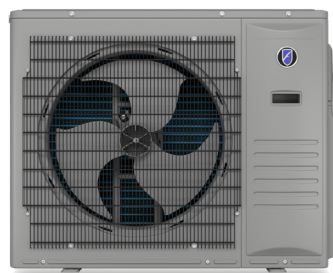
FPHFA18A3D, FPHFA24A3D

## ProX | EXTREME TEMPERATURE HEAT PUMP

- Low ambient heat pump operation down to -13°F
- Low ambient cooling operation down to 5°F



FPHMR18A3D



FPHMR27A3D, FPHMR36A3D, FPHMR42A3D

\*Single zone air handler options are available in the Friedrich Breeze Universal Heat Pump Select & Premier models.

## FLOATING AIR™ PRO X HANDLER

MODEL SPECIFICATIONS FOR MULTI-ZONE APPLICATIONS COMING SOON



# FLOATING AIR™ PRO X | MULTI-ZONE | OUTDOOR UNITS

Preliminary

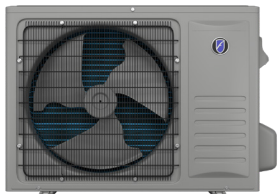
| OUTDOOR MODEL         | Outdoor Model                                          |             | FPHMR18A3D           | FPHMR27A3D           | FPHMR36A3D           | FPHMR42A3D           |
|-----------------------|--------------------------------------------------------|-------------|----------------------|----------------------|----------------------|----------------------|
|                       | Power Supply                                           | V/ph/Hz     | 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                |
|                       | Working Temperature Range                              | °F          | 5°F–125°F            | 5°F–125°F            | 5°F–125°F            | 5°F–125°F            |
| HEATING               | Rated Capacity @ 47°F                                  | Btu/h       | 18,000               | 27,000               | 36,000               | 48,000               |
|                       | Heating Capacity Range (Min.–Max.)                     | Btu/h       | 14,500-30,000        | 20,100-44,000        | 9,000-54,000         | 9,000-58,000         |
|                       | COP2 @ 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     | 10.00                | 10.00                | 10.00                | 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               |
|                       | Working Temperature Range                              | °F          | -13°F–75°F           | -13°F–75°F           | -13°F–75°F           | -13°F–75°F           |
| AIRFLOW               | Air Circulation (High) for Outdoor                     | ft³ CFM     | 1,850                | 3,357                | 3,357                | 3,357                |
|                       | Outdoor Sound Pressure                                 | dB(A)       | 55.0                 | 62.0                 | 64.0                 | 64.0                 |
| FAN MOTOR             | Output                                                 | W           | 60                   | 220                  | 220                  | 220                  |
|                       | Speed (High)                                           | r/min       | 880                  | 850                  | 830                  | 830                  |
| ELECTRICAL            | Rated Current                                          | Cooling (A) | 5.83                 | 9.30                 | 12.80                | 15.50                |
|                       |                                                        | Cooling (W) | 1,380                | 2,200                | 2,700                | 3,910                |
|                       |                                                        | Heating (A) | 6.05                 | 10.00                | 12.50                | 18.00                |
|                       |                                                        | Heating (W) | 1,364                | 2,200                | 2,700                | 4,000                |
|                       | MOP (Rating of Overcurrent Protective Device)          | A           | 30                   | 40                   | 50                   | 60                   |
|                       | MCA (Minimum Circuit Ampacity)                         | A           | 21                   | 25                   | 32                   | 36                   |
|                       | Communication Wire Size and Type                       |             | 4 x 14AWG            | 4 x 14AWG            | 4 x 14AWG            | 4 x 14AWG            |
| REFRIGERATION (R454B) | 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                  |
|                       | Max. Pipe Length (Total)                               | ft.         | 164                  | 230                  | 230                  | 262                  |
|                       | Max. Elevation (Indoor Units Higher Than Outdoor Unit) | ft.         | 49                   | 49                   | 49                   | 49                   |
|                       | Pre-charge Pipe Length                                 | ft.         | 50                   | 75                   | 100                  | 125                  |
|                       | Additional Refrigerant Charge per Foot after 25 ft.    | oz./ft.     | 0.16                 | 0.16                 | 0.16                 | 0.16                 |
| DIMENSIONS & WEIGHTS  | Dimension (W×H×D)                                      | in. 1/8ths  | 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×H×W)                                        | in. 1/8ths  | 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.        | 46                   | 73                   | 77                   | 78                   |
|                       |                                                        | kg          | 101                  | 161                  | 170                  | 172                  |
|                       | Shipping Weight                                        | lbs.        | 51                   | 83                   | 87                   | 88                   |
|                       |                                                        | kg          | 112                  | 183                  | 192                  | 194                  |

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



## FLOATING AIR™ PRO X | MULTI-ZONE CONFIGURATIONS

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

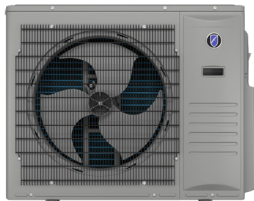


**FPHMR18A3D**  
24,000 Btu  
MAX. CONNECTED CAPACITY

### 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

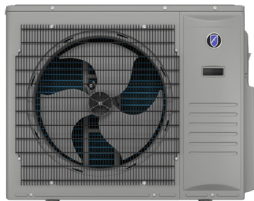
### 2 ZONES

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

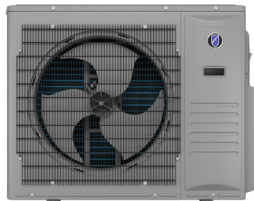
### 3 ZONES

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.

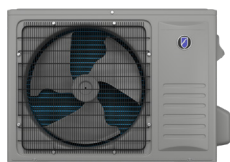
Combinations **SHOULD NOT:** Exceed the maximum allowable total indoor unit connected capacity of 54,000 Btu.

## MULTI-ZONE CONFIGURATION, AHRI RATINGS

# AHRI Ratings Chart Coming Soon

## FLOATING AIR™ PRO X | MULTI-ZONE ALLOWABLE CONFIGURATIONS

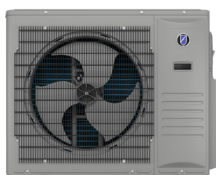
Select the outdoor unit that is applicable to the number of indoor spaces you want to heat and cool. Mix-and-match flexibility lets you select the type of indoor units best suited to the application. Select from wall-mounted, ceiling cassette or concealed ducted heat pumps.



**2 ZONES ONLY**

**18,000 BTU**

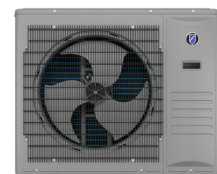
24,000 Btu max. connected capacity



**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

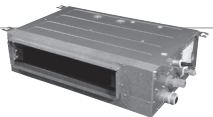
| FPHMR18A3D |        |           |
|------------|--------|-----------|
| ZONE 1     | ZONE 2 | TOTAL     |
| 7          | 7      | 14        |
| 7          | 9      | 16        |
| 7          | 12     | 19        |
| 9          | 9      | 18        |
| 9          | 12     | 21        |
| 12        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

| 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 (max.) |
| 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 (max.) |
| 9          | 12     | 12     | 33        |
| 12         | 12     | 12     | 36 (max.) |

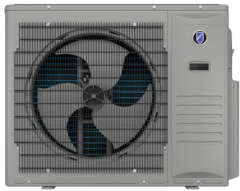
| FPHMR36A3D |        |        |        |           |
|------------|--------|--------|--------|-----------|
| ZONE 1     | ZONE 2 | ZONE 3 | ZONE 4 | TOTAL     |
| 18         | 18     | -      | -      | 36        |
| 7          | 7      | 7      | -      | 21        |
| 7          | 7      | 9      | -      | 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     | 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     | 24     | -      | 51        |
| 12         | 12     | 12     | -      | 36        |
| 12         | 12     | 18     | -      | 42        |
| 12         | 12     | 24     | -      | 48 (max.) |
| 18         | 18     | 7      | -      | 43        |
| 18         | 18     | 9      | -      | 45        |
| 18         | 18     | 12     | -      | 48 (max.) |
| 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 (max.) |

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

## INDOOR UNITS

|  <p>Wall-mounted</p>     | MODEL      | BTU    |
|-------------------------------------------------------------------------------------------------------------|------------|--------|
|                                                                                                             | FPHMW07A3B | 7,000  |
|                                                                                                             | FPHFW09A3B | 9,000  |
|                                                                                                             | FPHFW12A3B | 12,000 |
|                                                                                                             | FPHFW18A3B | 18,000 |
|                                                                                                             | FPHFW24A3B | 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>24V Air Handler</p>  | MODEL      | BTU    |
|                                                                                                             | FPHFA18A3D | 18,000 |
|                                                                                                             | FPHFA24A3D | 24,000 |

FLOATING AIR™ PRO X | MULTI-ZONE ALLOWABLE CONFIGURATIONS



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     |
| 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 (max.) |
| 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 (max.) |

| 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 (max.) |
| 7          | 7      | 7      | 12     | 12     | 45        |
| 7          | 7      | 7      | 12     | 18     | 51        |
| 7          | 7      | 7      | 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 (max.) |
| 9          | 9      | 9      | 12     | 12     | 51        |
| 9          | 9      | 12     | 12     | 12     | 54 (max.) |

# Tech Specs

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

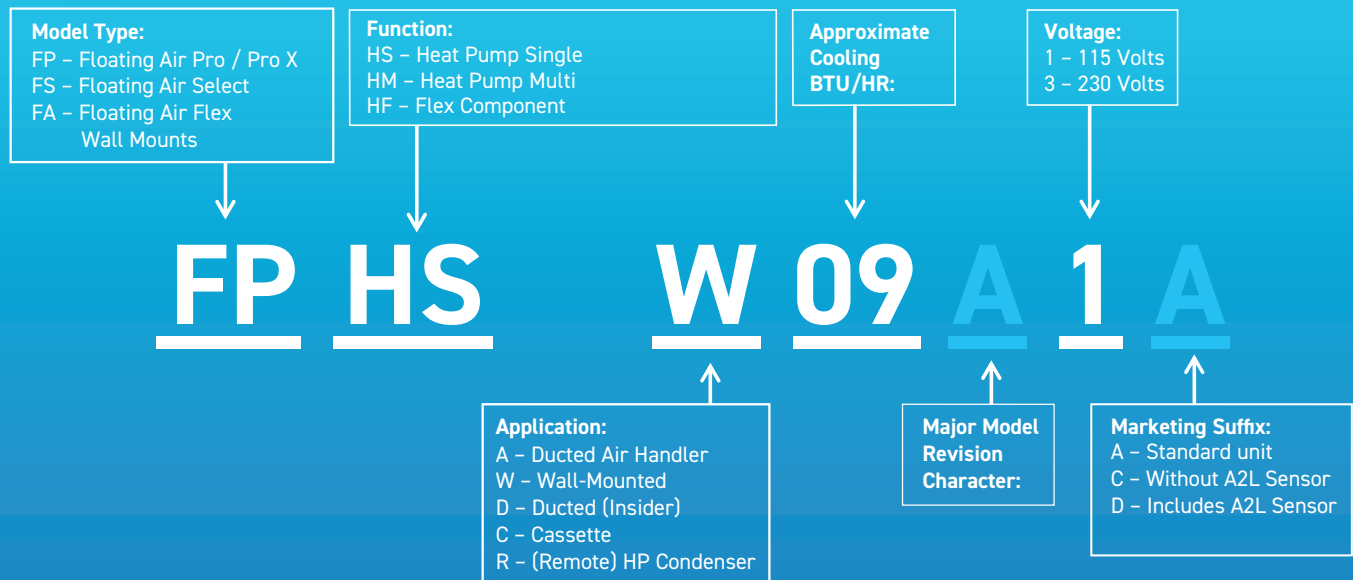
| FLOATING AIR™ PRO & PRO X WALL-MOUNTED                        |        |         |              |              |            |                           |
|---------------------------------------------------------------|--------|---------|--------------|--------------|------------|---------------------------|
| System Model                                                  | Liquid | Suction | Lineset Kit  | Lineset Kit  | Min. (ft.) | Max. Each/<br>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™ PRO & PRO X 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                    |
| FLOATING AIR™ SELECT 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™ PRO X CASSETTE SINGLE-ZONE                      |        |         |              |              |            |                           |
| FPHC093D                                                      | 1/4    | 3/8     | T32150 - 15' | T32350 - 35' | 25         | 82                        |
| FPHC123D                                                      | 1/4    | 3/8     | T32150 - 15' | T32350 - 35' | 25         | 82                        |
| FPHC183D                                                      | 1/4    | 1/2     | T42150 - 15' | T42250 - 25' | 25         | 82                        |
| FPHC243D                                                      | 3/8    | 5/8     | T53250 - 25' | T53350 - 35' | 25         | 164                       |
| FPHC363D                                                      | 3/8    | 3/4     | T63500 - 50' |              | 25         | 164                       |
| FLOATING AIR™ PRO X THE INSIDER® SINGLE-ZONE CONCEALED DUCTED |        |         |              |              |            |                           |
| FPHD093D                                                      | 1/4    | 3/8     | T32150 - 15' | T32350 - 35' | 25         | 82                        |
| FPHD123D                                                      | 1/4    | 3/8     | T32150 - 15' | T32350 - 35' | 25         | 82                        |
| FPHD183D                                                      | 1/4    | 1/2     | T42150 - 15' | T42250 - 25' | 25         | 82                        |
| FPHD243D                                                      | 3/8    | 5/8     | T53250 - 25' | T53350 - 35' | 25         | 164                       |
| FPHD363D                                                      | 3/8    | 3/4     | T63500 - 50' |              | 25         | 164                       |

AIR HANDLER REFRIGERATION LINE SET INFORMATION COMING SOON.

## TORQUE WRENCH SETTINGS

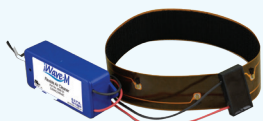
| Outside Diameter |     | Torque   |             |
|------------------|-----|----------|-------------|
| mm               | in. | ft.-lbs. | N·m         |
| 6.35             | 1/4 | 13 – 18  | 17.6 – 24.5 |
| 9.52             | 3/8 | 25 – 30  | 33.3 – 41.2 |
| 12.7             | 1/2 | 40 – 47  | 53.9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

# Model Identification Guide



## Accessories

### FreshAir® IAQ (Optional)



FreshAir® IAQ are proven, easy-to-install accessories that improve the health and quality of indoor air.

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

### Wall Controllers (Optional)



**FPWC1** – Optional wired wall controller for Floating Air Pro, single- and multi-zone models. Please check with your Friedrich representative for options.



**DSSXEMWRTA4** – Optional wireless energy management thermostat with occupancy sensor. For Floating Air Pro, single- and multi-zone models.



VERSATILE, SUPER-EFFICIENT  
& ULTRA-QUIET



[Friedrich.com/FloatingAir](https://Friedrich.com/FloatingAir)



*Many Friedrich Floating Air™ Pro 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](https://www.ftc.gov/energy).

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