

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



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.



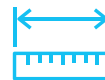
No Dirty Ducts

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



Heating & Cooling Flexibility

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.



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.



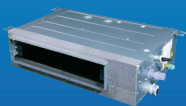
Wall-mounted Units

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.

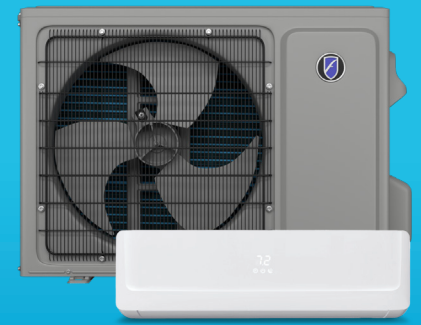


24V Air Handler

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.

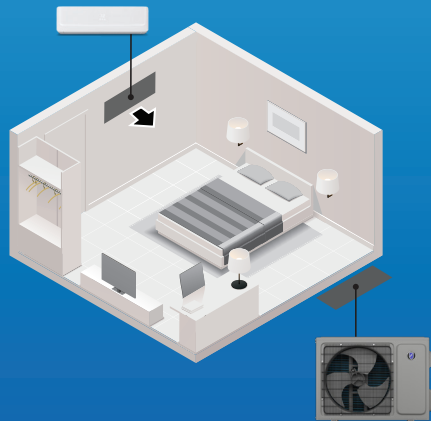
Comfort Customized to Your Needs

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.



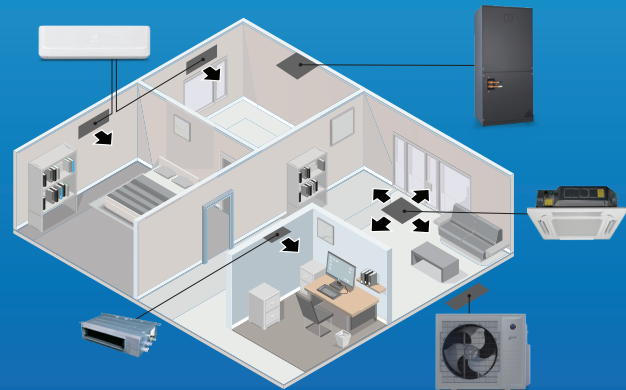
Single-zone Systems

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 level¹ or turn off units in unoccupied rooms without impacting other zones.



¹Multi-zone units cannot heat and cool simultaneously.



Easy Service & Maintenance

Designed with HVAC technicians in mind, wall-mounted units feature 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

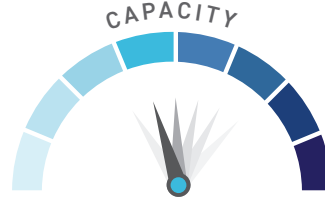
Floating Air™ mini-split systems are built to deliver precise comfort and are packed with advanced features to help keep your environmental footprint and energy bills low.



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**[®]

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



¹Faster 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.

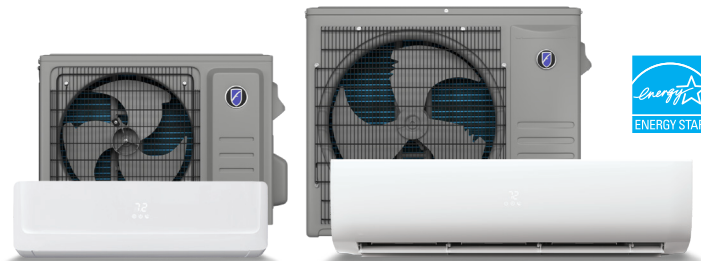
- Available in Single-zone, Wall-Mounted only, 9K-24K BTU
- Efficiencies up to 25 SEER2
- All ENERGY STAR® and ENERGY STAR® Cold-Climate Heat Pump certified models



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

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

²Applies to FSHW091C and FSHW183D model sets.

See the below comparison chart to help you choose among Floating Air 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
Floating Air™ Series	Select	Pro	Pro X	Pro X	Pro X	Pro X	Pro X The Insider®	Pro X The Insider®	Pro X
FastPro® Design	•	•	•	•	—	—	—	—	—
Built-in Wi-Fi Models, ComfortPro 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	-5°F	-13°F	-22°F	-13°F	-22°F	-13°F	-22°F	-13°F	-13°F
Diamonblue™ 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

 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
-  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

SMART HOME READY

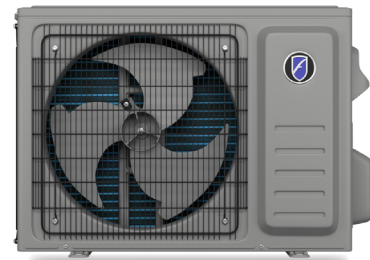


Single-Zone

115 VOLT MODELS:



FAHSW09A1C, FAHSW12A1C

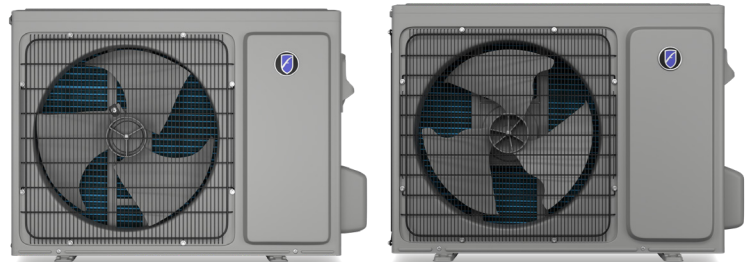


FHSR09B1C, FHSR12B1C

230/208 VOLT MODELS:



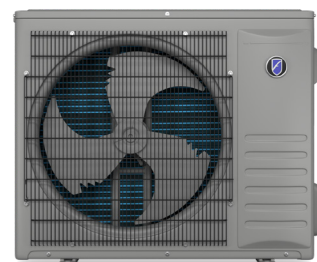
FAHFW18A3D, FAHFW24A3D



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		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	



Standard With Registration


Floating Air[®] PRO WALL-MOUNTED HEAT PUMPS

FEATURING **FastPro[®]** DESIGN

GOOD | BETTER | BEST

Key Features

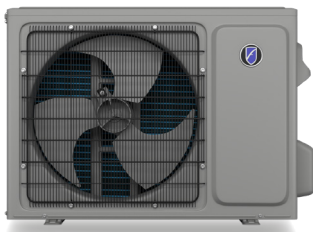
- Precision Inverter[®] technology (variable speed compressor)
- Soft-Start[™] compressor
- BLDC motor
- Built-in Wi-Fi
- Ultra quiet operation
- Sleep mode
- All ENERGY STAR[®] certified models
- All ENERGY STAR[®] Cold-Climate Heat Pump certified models
- Easy-to-read temperature display
- Low ambient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

 indicates sustainability feature

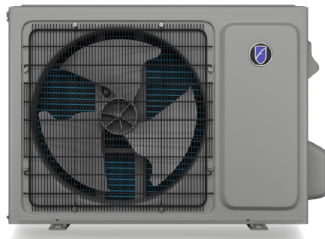
SMART HOME READY



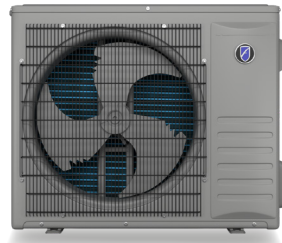
Single-Zone



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:



FAHSW09A1C and FAHSW12A1C

230/208 VOLT MODELS:



FAHFW09A3D, FAHFW12A3D,
FAHFW18A3D, FAHFW24A3D



FreshAir[®] IAQ READY



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	V/ph/Hz	115V~,60Hz,1P			208V/230V~,60Hz,1P		
	ENERGY STAR® Standard	Y/N	Y	Y	Y	Y	Y	Y
	ENERGY STAR – Cold Climate	Y/N	Y	Y	Y	Y	Y	Y
COOLING	Rated Capacity @ 95°F	Btu/h	9,000	12,000	9,000	12,000	18,000	24,000
	Cooling Capacity Range (Min.–Max.)	Btu/h	3,600-10,000	4,000-13,000	3,600-10,000	4,000-13,000	6,500-19,000	8,000-25,000
	EER2 @ 95°F	Btu/h/W	12.25	12.25	13.65	12.25	12.95	12.25
	SEER2	Btu/h/W	23.00	22.00	25.00	23.00	21.00	22.50
	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
HEATING	Rated Capacity @ 47°F	Btu/h	9,500	12,000	9,000	12,000	18,000	24,000
	Heating Capacity Range (Min.–Max.)	Btu/h	3,600-10,000	4,000-13,000	3,600-10,000	4,000-13,000	6,500-19,000	8,000-25,000
	COP2 @ 47°F	W/W	3.98	3.98	4.00	3.80	3.70	3.60
	COP @ 5°F	W/W	1.90	1.90	2.10	2.00	1.90	1.80
	HSPF2	Btu/h/W	10.00	9.50	11.00	10.00	10.00	9.50
	Rated Capacity Heating @ 17°F (-8.3°C)	Btu/h	9,500	9,300	9,000	10,800	18,000	22,000
	Maximum Heating Capacity @ 5°F (-15°C)	Btu/h	8,700	9,200	9,000	11,000	18,000	19,800
	Maximum Heating Capacity @ -13°F (-25°C)	Btu/h	4,600	5,900	5,400	6,100	11,500	12,100
	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
INDOOR AIRFLOW	Air Circulation (Max./H/M/L)	ft³ CFM	382/341/294/247	394/365/312/253	382/341/294/247	394/365/312/253	647/588/482/382	706/647/559/441
	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
INDOOR FAN MOTOR	Output	W	46	46	25	25	35	35
	Speed (High/Med/Low)	r/min	1,100/940/800	1,154/992/800	1,100/940/800	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
OUTDOOR FAN MOTOR	Output	W	36	36	36	36	60	102
	Speed (High)	r/min	850	880	880	880	840	880
ELECTRICAL	Rated Current	Cooling (A)	6.00	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
	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
REFRIGERATION (R454B)	Moisture Removal	pints/hr	1.9	2.5	1.9	2.5	3.2	4.7
	Refrigerant Charge Volume	oz.	33.5	35.3	35.3	38.1	53.0	70.6
	Liquid Pipe	in.	1/4	1/4	1/4	1/4	1/4	3/8
	Gas Pipe	in.	3/8	3/8	3/8	3/8	1/2	5/8
	Max. Pipe Length (Total)	ft.	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
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	33-7/8 × 11-2/8 × 8-4/8	33-7/8 × 11-2/8 × 8-4/8	45-2/8 × 13-2/8 × 10-1/8	45-2/8 × 13-2/8 × 10-1/8
		mm	860×285×216	860×285×216	860×285×216	860×285×216	1,148×336×256	1,148×336×256
	Packing (L×H×W)	in. 1/8ths	36-5/8 × 15 × 11-2/8	36-5/8 × 15 × 11-2/8	36-5/8 × 15 × 11-2/8	36-5/8 × 15 × 11-2/8	47-7/8 × 16-1/8 × 13	47-7/8 × 16-1/8 × 13
		mm	930×380×285	930×380×285	930×380×285	930×380×285	1,215×410×330	1,215×410×330
	Net Weight	lbs.	22	22	22	22	32	34
		kg	10	10	10	10	15	16
Shipping Weight	lbs.	26	27	26	27	37	40	
	kg	12	12	12	12	17	18	
OUTDOOR UNIT	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
		mm	810×585×280	810×585×280	810×585×280	810×585×280	860×650×310	900×750×340
	Packing (L×H×W)	in. 1/8ths	37 × 24-6/8 × 15-1/8	37 × 24-6/8 × 15-1/8	37 × 24-6/8 × 15-1/8	37 × 24-6/8 × 15-1/8	39-1/8 × 28-3/8 × 16-4/8	41-6/8 × 32-2/8 × 17-6/8
		mm	940×630×385	940×630×385	940×630×385	940×630×385	995×720×420	1,060×820×450
	Net Weight	lbs.	75	77	71	71	97	112
		kg	34	35	32	32	44	51
Shipping Weight	lbs.	86	86	82	82	106	121	
	kg	39	39	37	37	48	55	



Standard









With Registration

Floating Air[®] PRO X WALL-MOUNTED HEAT PUMPS

FEATURING **FastPro[®]** DESIGN

GOOD | BETTER | **BEST**

Key Features

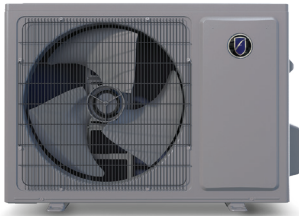
-  Precision Inverter[®] technology (variable speed compressor)
-  Soft-Start[™] compressor
-  BLDC motor
-  Built-in Wi-Fi
- Ultra quiet operation
-  Sleep mode
-  All ENERGY STAR[®] certified models
-  All ENERGY STAR[®] Cold-Climate Heat Pump certified models
- Easy-to-read temperature display
- 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

 indicates sustainability feature

SMART HOME READY



Single-Zone



FPHFR09A3D, FPHFR12A3D

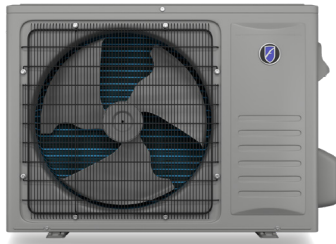


FPHFR18A3D, FPHFR24A3D

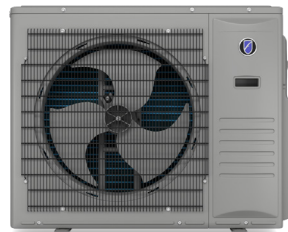
ProX | EXTREME TEMPERATURE HEAT PUMP

- 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

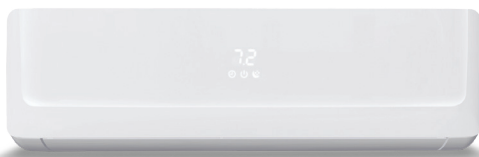


FPHMR27A3D, FPHMR36A3D, FPHMR42A3D

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



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
MODEL	Outdoor Model	V/ph/Hz	FPHFR09A3D	FPHFR12A3D	FPHFR18A3D	FPHFR24A3D
	Power Supply		208V/230V~,60Hz,1P			
COOLING	ENERGY STAR® Standard	Y/N	Y	Y	Y	Y
	ENERGY STAR – Cold Climate	Y/N	Y	Y	Y	Y
	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
HEATING	Working Temperature Range	°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
	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
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
	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
INDOOR FAN MOTOR	Output	W	25	25	35	35
	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	
Communication Wire Size and Type		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
Shipping Weight	lbs.	26	27	37	40	
	kg	12	12	17	18	
OUTDOOR UNIT	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	



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

Preliminary

MODEL	Indoor Model	Unit	FAHMMW07A3D	FAHFW09A3D	FAHFW12A3D	FAHFW18A3D	FAHFW24A3D
	Power Supply	V/ph/Hz	208V/230V~,60Hz,1P				
COOLING	Rated Capacity @ 95°F	Btu/h	7,000	9,000	12,000	18,000	24,000
	Cooling Capacity Range (Min.-Max.)	Btu/h	3,600-10,000	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



Standard

With Registration

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

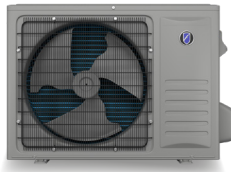


FPHFR09A3D, FPHFR12A3D, FPHFR18A3D, FPHFR24A3D, FPHFR36A3D

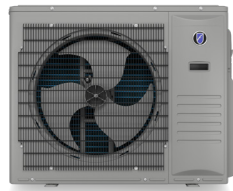
ProX EXTREME TEMPERATURE HEAT PUMP

- 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	V/ph/Hz	208V/230V~,60Hz,1P				
	ENERGY STAR® Standard	Y/N	Y	Y	Y	Y	Y
	ENERGY STAR - Cold Climate	Y/N	Y	Y	Y	Y	Y
COOLING	Rated Capacity @ 95°F	Btu/h	9,000	12,000	18,000	24,000	36,000
	Cooling Capacity Range (Min.-Max.)	Btu/h	4,300-14,500	4,300-14,500	7,800-24,000	9,000-30,000	12,000-45,000
	EER2 @ 95°F	Btu/h/W	12.00	12.00	12.00	12.00	12.00
	SEER2	Btu/h/W	20.00	20.00	20.00	20.00	19.50
	Working Temperature Range	°F	5°F-125°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	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
	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
	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 (H/M/L)	ft. ³ CFM	341/341/294/235	341/341/294/235	643/643/554/465	643/643/554/465
Indoor Sound Pressure (H/M/L/Quiet)		dB(A)	TBD	TBD	TBD	TBD	TBD
INDOOR FAN MOTOR	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. ³ 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 (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
	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
REFRIGERATION (R454B)	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
	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 UNIT	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
kg		16	16	23	23	27	
Shipping Weight	lbs.	41	41	62	62	71	
	kg	19	19	28	28	32	
INDOOR GRILLE	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	
OUTDOOR UNIT	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
	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






Standard




With Registration




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

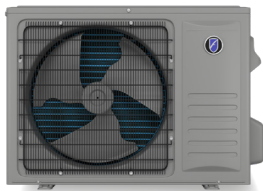


GOOD | BETTER | BEST

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

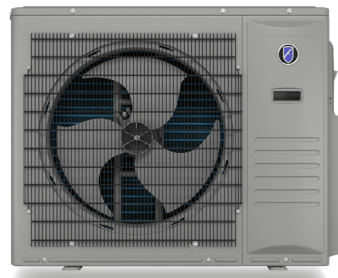
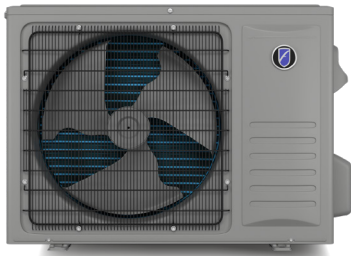


FPHFR09A3D, FPHFR12A3D, FPHFR18A3D, FPHFR24A3D, FPHFR36A3D

ProX EXTREME TEMPERATURE HEAT PUMP

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

Multi-Zone



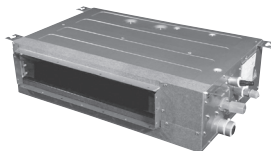
FPHMR18A3D

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		FPHFD09A3D	FPHFD12A3D	FPHFD18A3D	FPHFD24A3D	FPHSD36A3D
COOLING	Outdoor Model		FPHFR09A3D	FPHFR12A3D	FPHFR18A3D	FPHFR24A3D	FPHFR36A3D
	Power Supply	V/ph/Hz	208V/230V~.60Hz,1P				
	ENERGY STAR® Standard	Y/N	Y	Y	Y	Y	Y
	ENERGY STAR – Cold Climate	Y/N	Y	Y	Y	Y	Y
	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
HEATING	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
	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
INDOOR AIRFLOW	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
	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
INDOOR FAN MOTOR	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	
OUTDOOR AIRFLOW	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
ELECTRICAL	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
REFRIGERATION (R454B)	Output	W	40	40	60	102	250
	Speed (Hi)	r/min	880	880	880	920	850
INDOOR UNIT	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
OUTDOOR UNIT	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
Shipping Weight	lbs.	52	52	68	85	126	
	kg	24	24	31	39	57	
OUTDOOR UNIT	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	



Standard With Registration

7YR.
PARTS
WARRANTY

10YR.
COMPRESSOR
WARRANTY

10YR.
PARTS
WARRANTY

10YR.
COMPRESSOR
WARRANTY

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

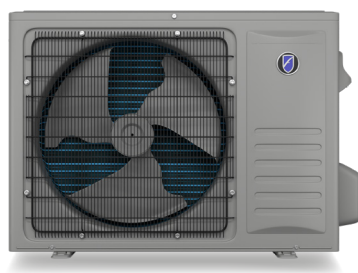
Multi-Zone



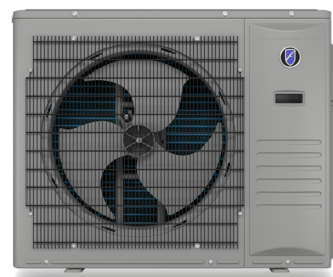
FPHFA18A3D, FPHFA24A3D

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

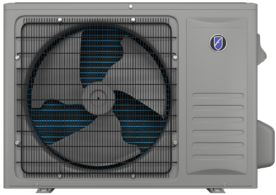
OUTDOOR MODEL	Outdoor Model		FPHMR18A3D	FPHMR27A3D	FPHMR36A3D	FPHMR42A3D
	Power Supply	V/ph/Hz	208V/230V~,60Hz,1P			
	ENERGY STAR® Standard	Y/N	Y	Y	Y	Y
	ENERGY STAR – Cold Climate	Y/N	Y	Y	Y	Y
COOLING	Rated Capacity @ 95°F	Btu/h	18,000	27,000	36,000	42,000
	Cooling Capacity Range (Min.–Max.)	Btu/h	9,000-22,000	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.

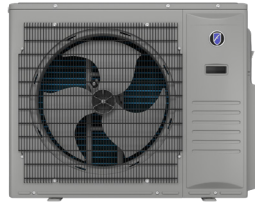


FPHMR18A3D
24,000 Btu
MAX. CONNECTED CAPACITY

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

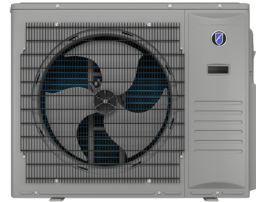
2 ZONES

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

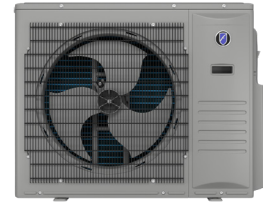
Select two (2) 18,000 Btu indoor units

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

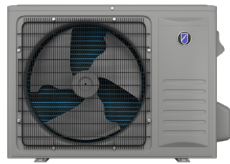
Select any combination of (5) indoor units.
Combinations **SHOULD NOT:**
Exceed the maximum allowable total indoor unit connected capacity of 54,000 Btu.

MULTI-ZONE CONFIGURATION, AHRI RATINGS

AHRI Ratings Chart Coming Soon

FLOATING AIR™ PRO X | MULTI-ZONE ALLOWABLE CONFIGURATIONS

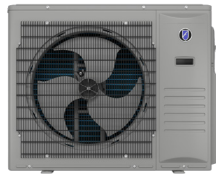
Select the outdoor unit that is applicable to the number of indoor spaces you want to heat and cool. Mix-and-match flexibility lets you select the type of indoor units best suited to the application. Select from wall-mounted, ceiling cassette or concealed ducted heat pumps.



2 ZONES ONLY

18,000 BTU

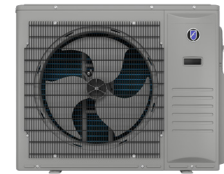
24,000 Btu max. connected capacity



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.)

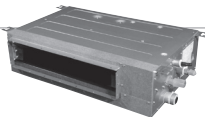
FPHMR36A3D				
ZONE 1	ZONE 2	ZONE 3	ZONE 4	TOTAL
18	18	-	-	36
7	7	7	-	21
7	7	9	-	23
7	7	12	-	26
7	7	18	-	32
7	7	24	-	38
7	9	9	-	25
7	9	12	-	28
7	9	18	-	34
7	9	24	-	40
7	12	12	-	31
7	12	18	-	37
7	12	24	-	43
7	18	24	-	49
9	9	9	-	27
9	9	12	-	30
9	9	18	-	36
9	9	24	-	42
9	12	12	-	33
9	12	18	-	39
9	12	24	-	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

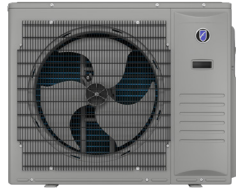
 Wall-mounted	MODEL	BTU
	FAHWW07A3D	7,000
	FAHFW09A3D	9,000
	FAHFW12A3D	12,000
	FAHFW18A3D	18,000
	FAHFW24A3D	24,000

 Ceiling cassette	MODEL	BTU
	FPHFC09A3D	9,000
	FPHFC12A3D	12,000
	FPHFC18A3D	18,000
	FPHFC24A3D	24,000

 Concealed ducted	MODEL	BTU
	FPHFD09A3A	9,000
	FPHFD12A3A	12,000
	FPHFD18A3A	18,000
	FPHFD24A3A	24,000

 24V Air Handler	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	9	9	9	41
7	7	9	9	12	44
7	7	9	9	18	50
7	7	9	12	12	47
7	7	12	12	12	50
7	9	9	9	9	43
7	9	9	9	12	46
7	9	9	9	18	52
7	9	9	12	12	49
7	9	12	12	12	52
9	9	9	9	9	45
9	9	9	9	12	48
9	9	9	9	18	54 (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

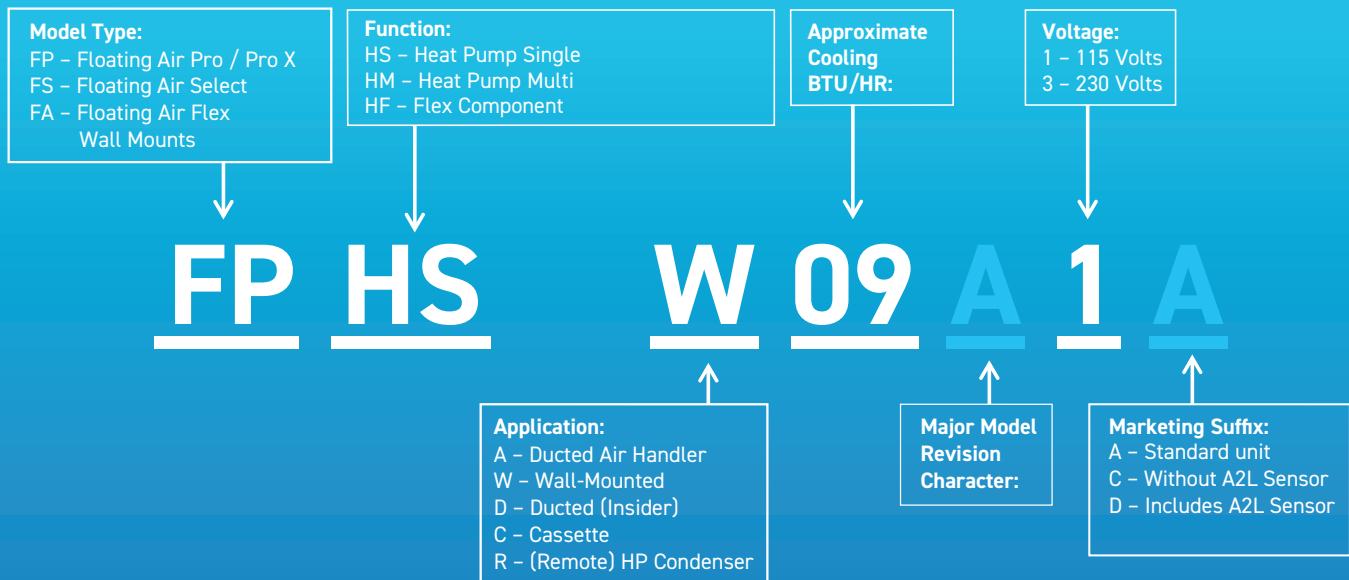
FLOATING AIR™ PRO & PRO X WALL-MOUNTED						
System Model	Liquid	Suction	Lineset Kit	Lineset Kit	Min. (ft.)	Max. Each/ Total (ft.)
FPHW091C	1/4	3/8	T32150 - 15'	T32350 - 35'	10	66
FPHW121C	1/4	3/8	T32150 - 15'	T32350 - 35'	10	66
FPHW093D	1/4	3/8	T32150 - 15'	T32350 - 35'	10	66
FPHW123D	1/4	3/8	T32150 - 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

FreshAire® IAQ (Optional)



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

FreshAire 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



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.

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