

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.



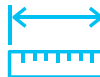
Heating & Cooling Flexibility

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, Insider® concealed ducted models and even a ducted air handler.



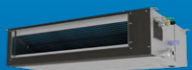
Wall-mounted Units

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



Ceiling Cassette Units

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



The Insider® Concealed Ducted Units

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

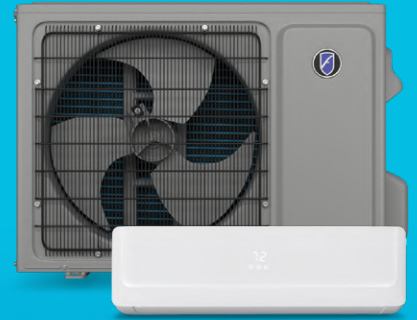


Air Handler

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

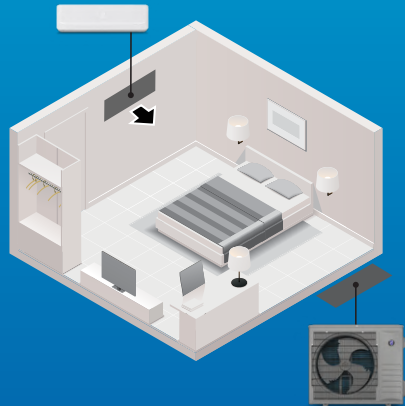
Comfort Customized to Your Needs

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.



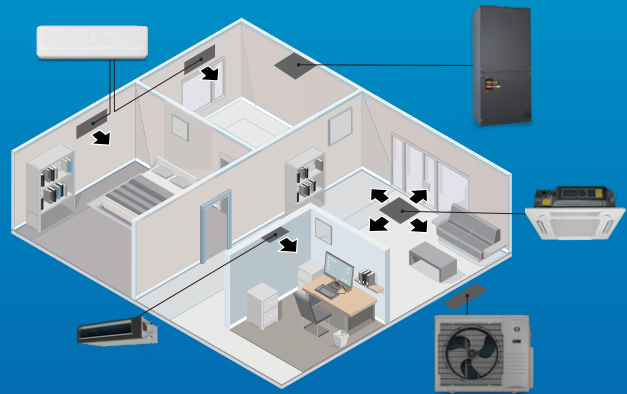
Single-zone Systems

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 zones. Plus, occupants can set the temperature of each zone to their preferred comfort level¹ or turn off units in unoccupied rooms without impacting other zones.



¹Multi-zone units cannot heat and cool simultaneously.



Easy Service & Maintenance

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



Scan to Watch Video:
FASTPRO®



Precision Comfort

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



Built to Perform & Built to Last

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



Smart Control

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

Precise Performance & Bold Features

Floating Air™ mini-split systems are engineered 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 Heat Pump certified.

Sustainable Operation

All Floating Air models utilize low-GWP refrigerant, with Select utilizing R-32 with a GWP of 675 and Pro and Pro X 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



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



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

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

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

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

Modular Drain Pan Assembly

Easy to remove for cleaning

Quick Access

Tangential blower and motor for easier repairs

Clear Piping Access

Simplifies maintenance tasks

Wire Terminal Blocks

Easy to access for servicing

Onboard Error Codes

Ensure trouble-free operation

Complete Coil Access

For easy cleaning



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

Simplified Troubleshooting

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



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



We Thought of Everything... & Then Some

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

FIND THE LINE THAT BEST SUITS YOUR NEEDS

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

GOOD | **BETTER** | BEST

Floating Air™ Pro X Series (Single- and Multi-zone)

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



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

GOOD | **BETTER** | BEST

Floating Air™ Pro Series

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

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



GOOD | **BETTER** | BEST

Floating Air™ Select Series

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

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



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

²Applies to FSHW091C and FSHW183D model sets.

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



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

*FastPro® not available on FAHSW36A3D.



SELECT WALL-MOUNTED HEAT PUMPS

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

GOOD | BETTER | BEST

Key Features

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

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

indicates sustainability feature

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

SMART HOME READY



Single-zone

115 VOLT MODELS:



FAHSW09A1C, FAHSW12A1C

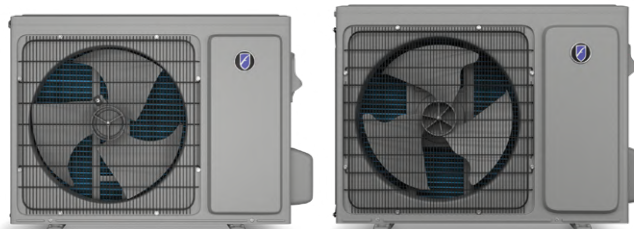


FHSR09B1C, FHSR12B1C

208/230 VOLT MODELS:



FAHFW18A3D, FAHFW24A3D



FHSR18B3D, FHSR24B3D



FAHSW36A3D
(FastPro® not available on this model)



FHSR36B3D



*Applies to FSHW091C and FSHW183D model sets.

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

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



Floating Air® PRO SERIES WALL-MOUNTED HEAT PUMPS

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

GOOD | **BETTER** | BEST

Key Features

- **FastPro®** design for the fastest access for maintenance of any wall-mounted ductless systems

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

- **Precision Inverter®** technology (variable speed compressor)

- Soft-Start™ compressor

- BLDC motor

- Built-in Wi-Fi

- Sleep mode

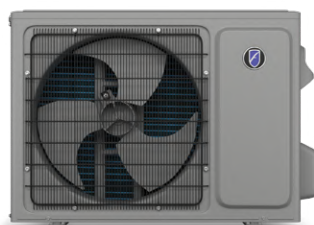
 indicates sustainability feature

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

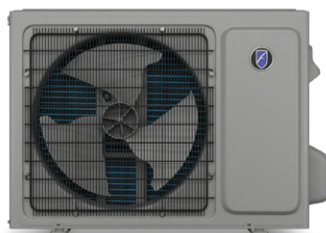
SMART HOME
READY



Single-zone



FPHSR09A1C, FPHSR12A1C,
FPHSR09A3D, FPHSR12A3D



FPHSR18A3D



FPHSR24A3D



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

115 VOLT MODELS:



FAHSW09A1C and FAHSW12A1C

208/230 VOLT MODELS:



FAHFW09A3D, FAHFW12A3D, FAHFW18A3D,
FAHFW24A3D



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

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



Floating Air® PRO X WALL-MOUNTED HEAT PUMPS

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

GOOD | BETTER | **BEST**

Key Features

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

SMART HOME
READY

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

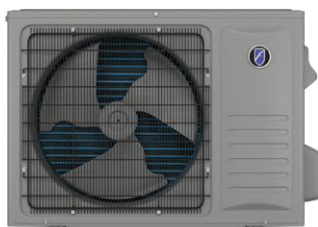
 indicates sustainability feature

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



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

Single-zone



FPFR09A3D, FPFR12A3D

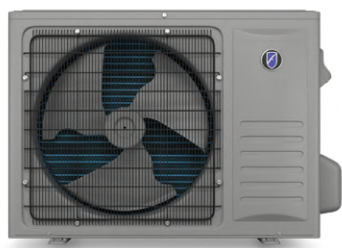


FPFR18A3D, FPFR24A3D

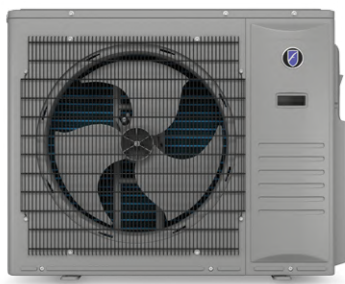


- Low ambient heat pump operation down to -22°F
- Low ambient cooling operation down to 5°F
- Low temperature compressor start-up protection

Multi-zone



FPHMR18A3D



FPHMR27A3D, FPHMR36A3D,
FPHMR42A3D



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

208/230 VOLT MODELS:



FAHFW07A3D, FAHFW09A3D, FAHFW12A3D,
FAHFW18A3D, FAHFW24A3D



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

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

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

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



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

For Outdoor Model Specs, see page 22.

Floating Air® PRO X CEILING CASSETTE HEAT PUMPS

GOOD | BETTER | **BEST**

Key Features

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

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

 indicates sustainability feature

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

SMART HOME
READY



Single-zone



FPHFR09A3D, FPHFR12A3D

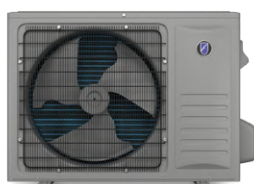


FPHFR18A3D, FPHFR24A3D,
FPHFR36A3D

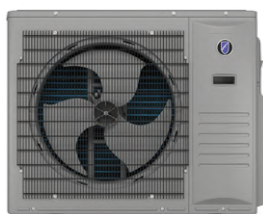


- Low ambient heat pump operation down to -22°F
- Low ambient cooling operation down to 5°F
- Low temperature compressor start-up protection

Multi-zone



FPHMR18A3D



FPHMR27A3D, FPHMR36A3D,
FPHMR42A3D



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

Cassettes



FPHFC09A3D, FPHFC12A3D



FPHFC18A3D, FPHFC24A3D,
FPHSC36A3D



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



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

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



Ceiling Cassette Grilles (Required – Not Included)



FPCG0912A



FPCG182436A

DECORATIVE GRILLE

FPCG0912A

FITS
FPHFC09A3D,
FPHFC12A3D

FPCG182436A

FITS
FPHFC18A3D,
FPHFC24A3D,
FPHFC36A3D

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

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



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

For Outdoor Model Specs, see page 22.



Key Features

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

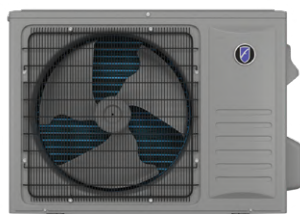
- BLDC motor
- 3 fan speeds
- External static pressure range 0-.40 (single-zone)
- External static pressure range 9K/12K/18K/24K 0-.40 WC (multi-zone)

 indicates sustainability feature

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



Single-zone



FPHFR09A3D, FPHFR12A3D

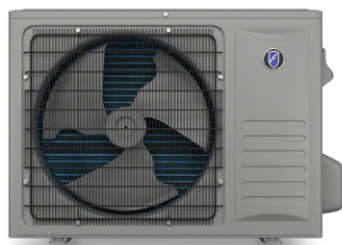


FPHFR18A3D, FPHFR24A3D,
FPHFR36A3D

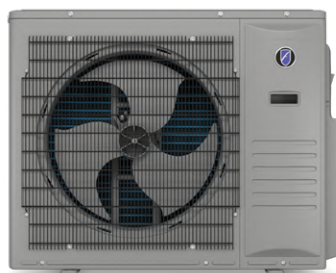
EXTREME TEMPERATURE HEATING & COOLING

- 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



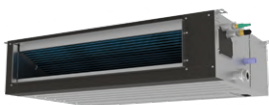
FPHMR18A3D



FPHMR27A3D, FPHMR36A3D,
FPHMR42A3D

EXTREME TEMPERATURE HEATING & COOLING

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



FPHFD09A3D, FPHFD12A3D, FPHFD18A3D,
FPHFD24A3D, FPHSD36A3D



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

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



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

MODEL	Indoor Model	Unit	FPHFD09A3D	FPHFD12A3D	FPHFD18A3D	FPHFD24A3D
	Power Supply	V/ph/Hz	208V/230V~, 60Hz, 1P			
COOLING	Rated Capacity @ 95°F	Btu/h	9,000	12,000	18,000	24,000
	Cooling Capacity Range (Min.-Max.)	Btu/h	4,300-14,500	4,300-14,500	6,500-25,000	9,000-31,500
HEATING	Rated Capacity @ 47°F	Btu/h	9,000	12,000	18,000	24,000
	Heating Capacity Range (Min.-Max.)	Btu/h	5,300-18,000	5,300-18,000	5,700-30,000	7,600-37,500
AIRFLOW	Air Circulation (H/M/L)	ft³ CFM	324/324/294/235	324/324/294/235	530/530/471/412	735/735/647/559
	Sound Rating – Indoor (H/M/L)	dB(A)	57	57	60	68
	ESP (in H₂O)	Rated with filter	0.18	0.18	0.18	0.58
		Rated with filter	0-0.12	0-0.12	0-0.56	0-0.66
FAN MOTOR	Output	W	57	57	75	75
	Speed (High/Med/Low)	r/min	1,110/1,000/800	1,110/1,000/800	920/820/720	1,400/1,250/1,100
DIMENSIONS & WEIGHTS	Dimension (W×H×D)	in.	35-7/8×7-1/2×17-5/8	35-7/8×7-1/2×17-5/8	31-1/2×9-5/8×27-1/2	43-1/4×9-5/8×27-1/2
		mm	910×190×447	910×190×447	800×245×700	1,100×245×700
	Packing (L×W×H)	in.	42-1/2×22-1/4×11-1/4	42-1/2×22-1/4×11-1/4	38-5/8×12-3/8×31-7/8	50-3/8×12-3/8×31-7/8
		mm	1,080×565×285	1,080×565×285	980×315×810	1,280×315×810
	Net Weight	lbs.	44.1	44.1	58.4	73.9
		kg	20.0	20.0	26.5	33.5
	Shipping Weight	lbs.	51.8	51.8	58.4	73.9
		kg	23.5	23.5	31.0	38.5



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

For Outdoor Model Specs, see page 22.

Floating Air® PRO X AIR HANDLERS

GOOD | BETTER | **BEST**

Key Features

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

- Soft-Start™ compressor
- BLDC motor
- Air handler can be installed in 4 configurations; upflow, downflow, horizontal left, and horizontal right

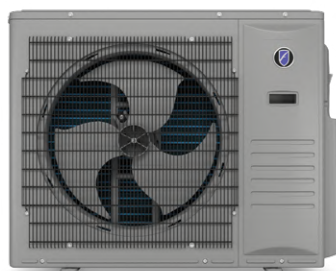
 indicates sustainability feature

- Aluminum indoor coil
- 3 fan speeds
- Compatible with 24V thermostats
- Efficiencies of up to 19.0 SEER2

Multi-zone



FPHFA18A3D, FPHFA24A3D



FPHMR27A3D, FPHMR36A3D, FPHMR42A3D



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



FLOATING AIR™ PRO X | MULTI-ZONE | AIR HANDLER

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



Standard

With Registration



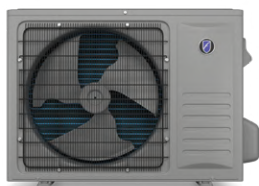
OUTDOOR MODEL	Outdoor Model		FPHMR18A3D	FPHMR27A3D	FPHMR36A3D	FPHMR42A3D
	Power Supply	V/Hz/ph	208V/230V~, 60Hz,1P			
	ENERGY STAR® Standard*	Y/N	Y	Y	Y	Y
	ENERGY STAR – Cold Climate*	Y/N	Y	Y	Y	Y
COOLING	Rated Capacity @ 95°F	Btu/h	18,000	27,000	36,000	42,000
	Cooling Capacity Range (Min.–Max.)	Btu/h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



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

FLOATING AIR™ 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

Choose 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

Choose two (2) 18,000 Btu indoor units

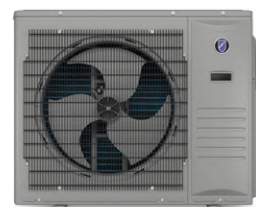
3 ZONES

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

4 ZONES

Choose 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

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

4 ZONES

Choose any combination of (4) indoor units.

5 ZONES

Choose 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

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

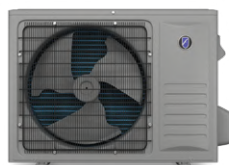


Standard

With Registration

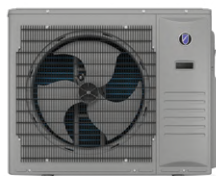
FLOATING AIR™ PRO X | MULTI-ZONE ALLOWABLE CONFIGURATIONS

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



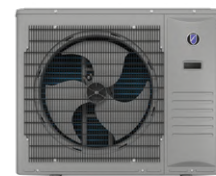
2 ZONES ONLY

18,000 BTU
24,000 Btu max.
connected capacity



2 OR 3 ZONES

27,000 BTU
36,000 Btu max.
connected capacity



2, 3, OR 4 ZONES

36,000 BTU
48,000 Btu max.
connected capacity

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

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

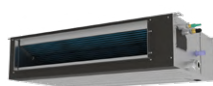
FPHMR36A3D					
ZONE 1	ZONE 2	ZONE 3	ZONE 4	TOTAL	
7	24	-	-	31	
9	24	-	-	33	
12	18	-	-	30	
12	24	-	-	36	
18	18	-	-	36	
18	24	-	-	42	
24	24	-	-	48	
18	18	-	-	36	
7	7	7	-	21	
7	7	9	-	23	
7	7	12	-	26	
7	7	18	-	32	
7	7	24	-	38	
7	9	9	-	25	
7	9	12	-	28	
7	9	18	-	34	
7	9	24	-	40	
7	12	12	-	31	
7	12	18	-	37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

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

INDOOR UNITS

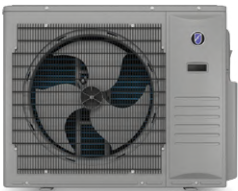
 Wall-mounted	MODEL	BTU
	FAHFW07A3D	7,000
	FAHFW09A3D	9,000
	FAHFW12A3D	12,000
	FAHFW18A3D	18,000
	FAHFW24A3D	24,000

 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

 Air handler	MODEL	BTU
	FPHFA18A3D	18,000
	FPHFA24A3D	24,000

FLOATING AIR™ PRO X | MULTI-ZONE ALLOWABLE CONFIGURATIONS



2, 3, 4, OR 5
ZONES

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

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

FPHMR42A3D					
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	TOTAL
7	7	7	7	7	35
7	7	7	7	9	37
7	7	7	7	12	40
7	7	7	7	18	46
7	7	7	7	24	52
7	7	7	9	9	39
7	7	7	9	12	42
7	7	7	9	18	48
7	7	7	9	24	54
7	7	7	12	12	45
7	7	7	12	18	51
7	7	9	9	9	41
7	7	9	9	12	44
7	7	9	9	18	50
7	7	9	12	12	47
7	7	12	12	12	50
7	9	9	9	9	43
7	9	9	9	12	46
7	9	9	9	18	52
7	9	9	12	12	49
7	9	12	12	12	52
9	9	9	9	9	45
9	9	9	9	12	48
9	9	9	9	18	54
9	9	9	12	12	51
9	9	12	12	12	54

TECH SPECS

REFRIGERATION LINE SETS (REQUIRED)

OUTSIDE DIMENSIONS & MIN./MAX. LENGTHS

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

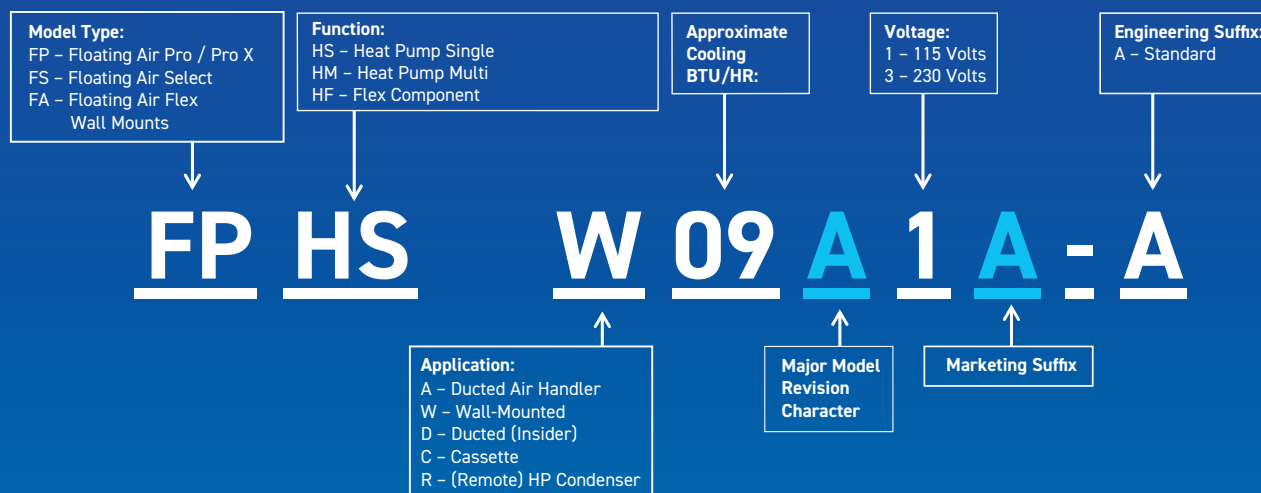
AIR HANDLER REFRIGERATION LINE SET INFORMATION COMING SOON.

TORQUE WRENCH SETTINGS

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

MODEL IDENTIFICATION GUIDE

(PRELIMINARY)



ACCESSORIES

FreshAir® IAQ (Optional)



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

Wall Controllers (Optional)



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



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

Sensors (Optional, Depending Upon Model)



ADS01 – Field-installed A2L sensor for Floating Air FAHMW07A3D, FAHFW09A3D, and FAHFW12A3D 230V indoor wall-mounted available. See Installation and Operational Manual for additional information & requirements.

FRIEDRICH® FLOATING AIR™

FEATURES AT A GLANCE



Cooling & Heating Efficiencies Up To:

25.0 SEER2 / 13.6 EER2 / 11.0 HSPF2

Cooling & Heating Capacities*:

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

Sound Rating:

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

Compressor Type: Precision Inverter® variable speed

ENERGY STAR® Heat Pump Certified:

Yes – some Select and all Pro and Pro X models

ENERGY STAR® Cold Climate Heat Pump

Certified: Yes – all Pro and Pro X models

Refrigerant Type:

- Low-GWP R-454B (Pro and Pro X models)
- Low-GWP R-32 (Select models)

Key Features:

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

Additional Standard Features:

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

Limited Warranty:

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

*See model series for details

**Excludes FAHSW36A3D



Friedrich.com/FloatingAir



FRIEDRICH

Friedrich.com

Delivering Boldly Crafted Comfort

Founded in 1883, Friedrich Air Conditioning Co. is an expert in providing residential and commercial comfort solutions—from premium room air conditioners to whole-home / whole-building equipment and more. Designed to be among the most advanced and quietest available, all Friedrich products are engineered to deliver precise temperature control to make spaces comfortable—quickly and efficiently.



Friedrich USA

5600 Old Greenwood Road
Fort Smith, Arkansas 72908



Friedrich Canada Ltd. / Ltée

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

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Many Friedrich Floating Air™ Pro and Pro X 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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