



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.







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.



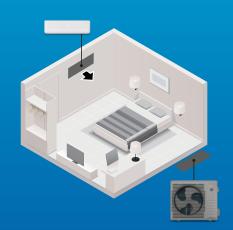
Comfort Customized to Your Needs

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.





Wall-mounted Units

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



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.



Ceiling Cassette Units

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



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.



Easy Service & Maintenance

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





Precision Comfort

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



Built to Perform & Built to Last

All systems are designed to heat and cool efficiently and 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.

FLOATING AIR™ DUCTLESS MINI-SPLIT SYSTEMS Friedrich.com/FloatingAir 3

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.







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















GOOGLE PLAY

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







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

Simplified Troubleshooting

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



Scan to Watch Video: 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 singleand 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



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:**



*FastPro® not available on FAHSW36A3D.



Precision Inverter® technology

(variable speed compressor)

Soft-Start[™] compressor

■ BLDC motor

■ Built-in Wi-Fi

GOOD | BETTER | BEST

Key Features

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

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



Single-zone

115 VOLT MODELS:



FAHSW09A1C, FAHSW12A1C



FSHSR09B1C, FSHSR12B1C

208/230 VOLT MODELS:



FAHFW18A3D, FAHFW24A3D





FSHSR18B3D, FSHSR24B3D



FAHSW36A3D (FastPro® not available on this model)



FSHSR36B3D











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

	Model Set		FSHW091C	FSHW121C	FSHW183D	FSHW243D	FSHW363D
	Indoor Model	Unit	FAHSW09A1C	FAHSW12A1C	FAHFW18A3D	FAHFW24A3D	FAHSW36A3D
MODEL	Outdoor Model		FSHSR09B1C	FSHSR12B1C	FSHSR18B3D	FSHSR24B3D	FSHSR36B3D
MODEL	Power Supply	V/Hz/ph	115V~,	60Hz, 1P		208V/230V~, 60Hz, 1	Р
	ENERGY STAR® Standard	Y/N	Υ	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
COOLING	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
	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
LIEATING	COP @ 5°F	W/W	2.00	1.90	2.40	1.90	1.95
HEATING	HSPF2	Btu/h/W	9.00	8.50	9.80	8.50	8.40
	Rated Capacity Heating @ 17°F (-8.3°C)	Btu/h	6,800	8,800	14,800	21,000	19,200
	Maximum Heating Capacity @ 5°F (-15°C)	Btu/h	6,000	7,500	15,000	18,500	20,000
	Heating Operating Range	°F	-5-75	-5-75	-5-75	-5-75	-5-75
	neating Operating Range	Г	-3-73	-3-73	-3-73	-3-73	-3-73
INDOOR	Air Circulation (Max./H/M/L)	ft ³ CFM	382/341/294/247	394/365/312/253	647/588/482/382	706/647/559/441	1,059/1,018/883/712
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
INDOOR	Output	W	46	46	35	35	70
FAN MOTOR	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	Air Circulation (High) for Outdoor	ft ³ CFM	1,295	1,295	1,471	1,942	2,590
AIRFLOW	Sound Rating – Outdoor	dB(A)	53.0	53.0	56.0	60.0	60.0
OUTDOOR	Output	W	36	36	60	102	102
FAN MOTOR	Speed (High)	r/min	850	880	840	880	900
		Cooling (A)	6.7	10.7	6.4	10.0	16.0
		Cooling (W)	720	1,176	1,506	2,264	3,660
	Rated Current	Heating (A)	6.2	9.6	8.1	9.5	14.2
ELECTRICAL		Heating (W)	679	1,034	1,349	2,132	3,160
ELLOTTIONE	MOD (Deting of Overeyment Destactive Device)		20	20		25	30
	MOP (Rating of Overcurrent Protective Device)	A			20		
	MCA (Minimum Circuit Ampacity)	A	14.6	15.6	14.5	21.0	25.8
	Communication Wire Size and Type				4 × 14 AWG Stranded	THHN	
	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
REFRIGERATION	Gas Pipe	in.	3/8	3/8	1/2	5/8	5/8
(R-32)	Max. Pipe Length (Total)	ft.	65.6	65.6	98.4	98.4	98.4
	Max. Elevation	ft.	49.2	49.2	49.2	49.2	49.2
	(Indoor Units Higher Than Outdoor Unit)						
	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
		mm	860×285×216	860×285×216	1,148×336×256	1,148×336×256	1,330×363×274
INDOOR UNIT	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
DIMENSIONS &		mm lbs.	930×285×380 22.1	930×285×380 22.05	1,215×330×410 32.0	1,215×330×410 34.2	1,425×395×460 40.8
WEIGHTS	Net Weight	kg	10.0	10.0	15.0	16.0	19.0
	Chinain a Mainta	lbs.	26.5	26.5	37.5	39.7	50.3
	Shipping Weight	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
	Dimension (w^n^u)	mm	715×540×240	715×540×240	810×585×280	860×650×310	900×750×340
OUTDOOR LINIT	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
OUTDOOR UNIT DIMENSIONS &	r deking (Entriew)	mm	830×588×340	830×588×340	940×640×385	995×720×420	1,060×820×450
		lbs.	52.9	57.3	86.0	101.4	121.3
DIMENSIONS & WEIGHTS	Net Weight						
	Net Weight	kg	24.0	26.0	39.0	46.0	55.0
	Net Weight Shipping Weight	kg lbs. kg	24.0 57.3 26.0	26.0 61.7 28.0	39.0 92.6 42.0	46.0 110.3 50.0	55.0 132.3 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

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



Single-zone



FPHSR09A1C, FPHSR12A1C, FPHSR09A3D, FPHSR12A3D



FPHSR18A3D



FPHSR24A3D

HIGH EFFICIENCY

- · 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

NDDOOR FAN MOTOR Output W 46 46 25 25 35 35 35 35 35 35		Model Set		FPHW091C	FPHW121C	FPHW093D	FPHW123D	FPHW183D	FPHW243D
Month Supply Villagin 139% (Miles 129% (Miles			Unit						
MIRROR STANDARD SAME 170	MODEL					FPHSR09A3D			FPHSR24A3D
MASS 1984 - COR Clames V/10 Y Y Y Y Y Y Y Y Y		,				V			V
Pack Speech (PPP PPP 2006 2007 2									
COOLING SEASO 2019 SEASO		Rated Capacity @ 95°F	Btu/h	9,000	12,000	9,000	12,000	18,000	24,000
March Marc		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
Cooking Centry (Entry Name) Fr S-118 S	COOLING	EER2 @ 95°F	Btu/h/W	12.25	12.25	13.65	12.25	12.95	12.25
Rear County (2007) Regular Reg		SEER2	Btu/h/W	23.00	22.00	25.00	23.00	21.00	22.50
HEATING COP 8-07F		Cooling Operating Range (MinMax.)	°F	5-118	5-118	5-118	5-118	5-118	5-118
HEATING Core Graph NVW 3.38 3.98 4.00 3.381 3.30 3.3		Rated Capacity @ 47°F	Btu/h	9,500	12,000	9,000	12,000	18,000	24,000
HEATING HEAT		Heating Capacity Range (MinMax.)	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
HEATING Reack Capacity Heating 6 17% (4.07.0) Bus/h 6,790 9,300 9,000 11,000 18,000 12,000		COP @ 47°F	W/W	3.98	3.98	4.00	3.80	3.70	3.60
Rand Capachy Nating @17F (RATC) Bitta/h 9,388 9,888 9,889 11,889 11,889 12,28		COP @ 5°F	W/W	1.90	1.90	2.10	2.00	1.90	1.80
	HEATING	HSPF2	Btu/h/W	10.00	9.50	11.00	10.00	10.00	9.50
NAMERINA HERITO CREADING #318 (2007) BHJ/F AAMB SA/MB		Rated Capacity Heating @ 17°F (-8.3°C)	Btu/h	9,500	9,300	9,000	10,800	18,000	22,000
NDOOR AIRFLOY Heating Starge (MinMax.) 1º 13-75 13		Maximum Heating Capacity @ 5°F (-15°C)	Btu/h	8,700	9,200	9,000	11,000	18,000	19,800
NDOOR AIRFLOW Arc Circulation (Max./NI/NI/L)		Maximum Heating Capacity @ -13F (-25°C)	Btu/h	4,600	5,900	5,400	6,100	11,500	12,100
NODOR FAN MOTOR Output		Heating Operating Range (MinMax.)	°F	-13-75	-13-75	-13-75	-13-75	-13-75	-13-75
INDOOR FAN MOTOR Speed (High) (Model/Low) W 64 44 25 25 35 35 35 35 35 35	INDOOR	Air Circulation (Max./H/M/L)	ft ³ 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
PAIN MOTOR Speed [High]/Med/Low) F/min 1,100/P40/800 1,154/P92/800	AIRFLOW	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 1,771	IND00R	Output	W	46	46	25	25	35	35
OUTDOOR FAM MOTOR Output W 36 36 36 36 36 40 102	FAN MOTOR	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 Control Fating - Unitable Speed (High) Primin 850 850 880 80 1490 10	OUTDOOR	Air Circulation (High) for Outdoor	ft ³ CFM	1,471	1,471	1,471	1,471	1,942	2,531
PAN MOTOR Speed (High) Fr/min 850 880 80 80 800	AIRFLOW	Sound Rating - Outdoor	dB(A)	53.0	53.0	53.0	53.0	58.0	61.0
Packed Current		Output	W	36	36	36	36	60	102
Rated Current	FAN MOTOR	Speed (High)	r/min	850	880	880	880	840	880
Retrocurrent Heating (A) 6.4 6.4 3.1 4.1 6.5 9.3			Cooling (A)	6.0	6.0	2.5	4.3	6.1	8.7
Heating (A) 6.A 6.A 3.1 4.1 6.5 9.3		Pated Current	Cooling (W)	641	980	659	980	1,390	1,959
MP (Rating of Overcurrent Protective Device) A 20 20 15 15 20 25		nated same in	Heating (A)	6.4	6.4	3.1	4.1	6.5	9.3
Protective Device)	ELECTRICAL		Heating (W)	696	960	659	926	1,426	1,954
Communication Wire Size and Type			А	20	20	15	15	20	25
Moisture Removal pints/hr 1.9 2.5 1.9 2.5 3.2 4.7		MCA (Minimum Circuit Ampacity)	А	16.0	16.0	9.5	10.5	20.0	22.0
Refrigerant Charge Volume		Communication Wire Size and Type				4 × 14 AWG St	randed THHN		
Liquid Pipe in. 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 3/8		Moisture Removal	pints/hr	1.9	2.5	1.9	2.5	3.2	4.7
REFRIGERATION (R-454B) Max. Pipe Length (Total) ft. 65.6 65.6 65.6 65.6 65.6 65.6 98.4 98.4		Refrigerant Charge Volume	oz.	33.5	35.3	35.3	38.1	53.0	70.6
Max. Pipe Length (Total) ft. 65.6 65.6 65.6 65.6 98.4 98.4 98.4			in.						
Max. Elevation (Indoor Units Higher Than Outdoor Unit) ft. 49.2	DEEDLOSE ATION								
Max Devaluable Max			ft.	65.6	65.6	65.6	65.6	98.4	98.4
Additional Refrigerant Charge per Foot After 25 ft. 0.22 0.22 0.22 0.22 0.22 0.22 0.32			ft.	49.2	49.2	49.2	49.2	49.2	49.2
After 25 ft. O2./ft. O3.2 O3.2 O3.2 O3.2 O3.2		Pre-charge Pipe Length	ft.	24.6	24.6	24.6	24.6	24.6	24.6
INDOOR UNIT DIMENSIONS & WEIGHTS WEIGHTS WEIGHTS WEIGHTS Dimension (W×H×D) mm 860×285×216 860×285×216 860×285×216 1,148×336×256 1,148×33			oz./ft.	0.22	0.22	0.22	0.22	0.22	0.32
INDOOR UNIT DIMENSIONS & WEIGHTS Packing (L×H×W) Mm 860×285×216 860×285×216 860×285×216 860×285×216 860×285×216 1,148×336×256 1,148×336×		Dimension (W×H×D)	in.		33-7/8×11-2/8×8-4/8				
Nat Weight Packing (L*H*W) mm 930×380×285 930×380×285 930×380×285 1,215×410×330 1,425×460×395									
DIMENSIONS & WEIGHTS Net Weight Ibs.		Packing (L×H×W)							
Net Weight Kg 10.0 10.0 10.0 10.0 10.0 16.0 16.0 16.0									
Net Weight Net	WEIGHTS	Net Weight							
Dimension (W×H×D) 12.0 1		Shipping Weight							
Dimension (W×H×D)									
OUTDOOR UNIT DIMENSIONS & WEIGHTS Net Weight 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 41-6/8×32-2/8×17-1/10 41-6/8×32-2/8×		Dimension (W×H×D)							
OUTDOOR UNIT DIMENSIONS & WEIGHTS									
WEIGHTS 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 lbs. 86.0 86.0 81.6 81.6 105.8 121.3		Packing (L×H×W)							
kg 34.0 35.0 32.0 32.0 44.0 51.0 lbs. 86.0 86.0 81.6 81.6 105.8 121.3		Not Weight	lbs.	75.0	77.2	70.6	70.6	97.0	112.5
Lbs. 86.0 86.0 81.6 81.6 105.8 121.3	WEIGHTS	ivet weight	kg	34.0	35.0	32.0	32.0	44.0	51.0
Shipping Weight		Shipping Weight	lbs.	86.0		81.6	81.6	105.8	121.3
Shipping Weight kg 39.0 39.0 37.0 37.0 48.0 55.0		Companing Height	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

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



FPHFR09A3D, FPHFR12A3D



FPHFR18A3D, FPHFR24A3D

EXTREME TEMPERATURE

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

Multi-zone



FPHMR18A3D



FPHMR27A3D, FPHMR36A3D, FPHMR42A3D



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

208/230 VOLT MODELS:



FAHMW07A3D, FAHFW09A3D, FAHFW12A3D, FAHFW18A3D, FAHFW24A3D



works with













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

	Model Set		FXHW093D	FXHW123D	FXHW183D	FXHW243D
	Indoor Model	Unit	FAHFW09A3D	FAHFW12A3D	FAHFW18A3D	FAHFW24A3D
	Outdoor Model		FPHFR09A3D	FPHFR12A3D	FPHFR18A3D	FPHFR24A3D
MODEL	Power Supply	V/Hz/ph		208V/230	0V~, 60Hz, 1P	
	ENERGY STAR® Standard	Y/N	Υ	Υ	Y	Υ
	ENERGY STAR – Cold Climate	Y/N	Υ	Υ	Y	Υ
	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
COOLING	EER2 @ 95°F	Btu/h/W	12.00	12.00	12.00	12.00
	SEER2	Btu/h/W	22.00	22.00	21.00	21.00
	Cooling Operating Range (MinMax.)	°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 (MinMax.)	Btu/h	5,500-16,000	5,500-16,000	7,800-23,000	6,700-30,000
	COP @ 47°F	W/W	12.00	12.00	3.66	3.52
	COP @ 5°F	W/W	1.80	1.80	1.80	1.80
HEATING	HSPF2	Btu/h/W	10.50	10.50	10.00	10.00
	Rated Capacity Heating @ 17°F (-8.3°C)	Btu/h	6,500	8,700	14,100	19,100
	Maximum Heating Capacity @ 5°F (-15°C)	Btu/h	12,000	12,000	18,000	24,000
	Maximum Heating Capacity @ -13°F (-25°C)	Btu/h	8,400	8,400	12,600	16,200
	Heating Operating Range (MinMax.)	°F	-22-75	-22-75	-22-75	-22-75
INDOOR	Air Circulation (Max./H/M/L)	ft ³ CFM	382/341/294/247	394/365/312/253	647/588/482/382	706/647/559/441
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
INDOOR	Output	W	25	25	35	35
FAN MOTOR	Speed (High/Med/Low)	r/min	1,100/938/800	1,154/992/800	1,100/960/800	1,200/1,040/880
OUTDOOR	Air Circulation (High) for Outdoor	ft ³ CFM	1,354	1,354	1,853	2,235
AIRFLOW	Sound Rating – Outdoor	dB(A)	64.0	64.0	68.0	71.0
OUTDOOD	Output	W	40	40	60	110
OUTDOOR FAN MOTOR	Speed (High)	r/min	880	880	880	870
	Speed (riigii)					
		Cooling (A)	3.9	4.5	6.7	8.9
	Rated Current	Cooling (W)	750	1,000	1,500	2,000
		Heating (A)	3.9	4.5	6.4	8.5
ELECTRICAL		Heating (W)	750	1,000	1,440	2,069
	MOP (Rating of Overcurrent Protective Device)	A	15	15	20	25
	MCA (Minimum Circuit Ampacity)	А	12.0	12.0	16.0	22.0
	Communication Wire Size and Type			4 × 14 AWG	Stranded THHN	
	Moisture Removal	pints/hr	2.4	3.7	4.2	6.3
	Refrigerant Charge Volume	OZ.	38.1	38.1	56.4	74.1
	Liquid Pipe	in.	1/4	1/4	1/4	3/8
	Gas Pipe	in.	3/8	3/8	1/2	5/8
REFRIGERATION	Max. Pipe Length (Total)	ft.	130.0	130.0	150.0	165.0
(R-454B)	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
	Dimension (W×H×D)	in.	33-7/8×11-2/8×8-4/8 860×285×216	33-7/8×11-2/8×8-4/8 860×285×216	45-2/8×13-2/8×10-1/8 1,148×336×256	45-2/8×13-2/8×10-1/8 1,148×336×256
INDOOR UNIT	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
DIMENSIONS		mm	930×380×285	930×380×285	1,215×410×330	1,215×410×330
& WEIGHTS	Net Weight	lbs.	22.1	22.05 10.0	34.2 15.5	34.2 15.5
	Shipping Waight	lbs.	26.5	26.5	39.7	39.7
	Shipping Weight	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	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
DIMENSIONS		mm lbs.	940×420×640 79.4	940×420×640 79.4	990×450×730 97.0	1,040×830×460 116.8
& WEIGHTS	Net Weight	kg	36.0	36.0	46.0	53.0
		lbs.	86.0	86.0	105.8	125.7
	Shipping Weight	kg	39.0	39.0	50.0	57.0











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

MODEL	Indoor Model	Unit	FAHMW07A3D	FAHFW09A3D	FAHFW12A3D	FAHFW18A3D	FAHFW24A3D
MODEL	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	Cooling Capacity Range (MinMax.)	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	Heating Capacity Range (MinMax.)	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)	ft ³ CFM	382/341/294/247	382/341/294/247	394/365/312/253	647/588/482/382	706/647/559/441
AIRFLOW	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
FAN MOTOR	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
	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
	Dimension (w*n*D)	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
DIMENSIONS	racking (L*H*W)	mm	930×380×285	930×380×285	930×380×285	1,215×410×330	1,215×410×330
& WEIGHTS	Net Weight	lbs.	22.1	22.1	22.1	34.2	34.2
	Net Weight	kg	10.0	10.0	10.0	15.5	15.5
	Shipping Weight	lbs.	26.5	26.5	26.5	39.7	39.7
	Shipping Weight	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
- · 3 fan speeds
- · Ultra-quiet turbo fan

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



Single-zone



FPHFR09A3D, FPHFR12A3D



FPHFR18A3D, FPHFR24A3D, FPHFR36A3D



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

Multi-zone



FPHMR18A3D



FPHMR27A3D, FPHMR36A3D, FPHMR42A3D



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

Cassettes



FPHFC09A3D, FPHFC12A3D



FPHFC18A3D, FPHFC24A3D, FPHSC36A3D



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

















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

	Model Set		FPHC093D	FPHC123D	FPHC183D	FPHC243D	FPHC363D
	Indoor Model	Unit	FPHFC09A3D	FPHFC12A3D	FPHFC18A3D	FPHFC24A3D	FPHSC36A3D
MODEL	Outdoor Model		FPHFR09A3D	FPHFR12A3D	FPHFR18A3D	FPHFR24A3D	FPHFR36A3D
MODEL	Power Supply	V/Hz/ph			208V/230V~, 60Hz, 1P		
	ENERGY STAR® Standard	Y/N	Υ	Y	Υ	Υ	Υ
	ENERGY STAR – Cold Climate	Y/N	Υ	Υ	Υ	Υ	Υ
	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
COOLING	EER2 @ 95°F	Btu/h/W	12.00	12.00	12.00	12.00	12.00
	SEER2	Btu/h/W	20.00	20.00 5–125	20.00	20.00	19.50
	Cooling Operating Range (MinMax.) Rated Capacity @ 47°F	Btu/h	°F 5–125		5-125 18,000	5-125 24,000	5-125 36,000
	Heating Capacity Range (MinMax.)	Btu/h	9,000 5,500-18,000	12,000 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
HEATING	HSPF2	Btu/h/W	9.50	9.50	10.00	10.50	9.50
	Rated Capacity Heating @ 17°F (-8.3°C)	Btu/h	8,900	8,900	14,100	19,100	25,500
	Maximum Heating Capacity @ 5°F (-15°C)	Btu/h	12,000	12,000	18,000	24,000	36,000
	Maximum Heating Capacity @ -13°F (-25°C)	Btu/h	8,400	8,400	12,600	16,200	25,200
	Heating Operating Range (Min.–Max.)	°F	-22-75	-22-75	-22-75	-22-75	-22-75
INDOOR	Air Circulation (Max./H/M/L)	ft ³ CFM	341/341/294/235	341/341/294/235	643/643/554/465	706/706/588/494	1,030/1,030/883/736
AIRFLOW	Sound Rating – Indoor (High)	dB(A)	52	52	50	53	60
INDOOR	Output	W	57	57	75	75	106
FAN MOTOR	Speed (High/Medium/Low)	r/min	700/600/500	700/600/500	420/380/320	470/400/340	660/560/480
OUTDOOR	Air Circulation (High) for Outdoor	ft ³ CFM	1,354	1,354	1,853	2,235	3,350
AIRFLOW	Sound Rating – Outdoor	dB(A)	64.0	64.0	68.0	71.0	74.0
OUTDOOR	Output	W	40	40	60	110	250
FAN MOTOR	Speed (High)	r/min	880	880	880	870	850
		Cooling (A)	3.00	4.30	6.30	8.50	14.20
	Dated Overset	Cooling (W)	750	1,000	1,500	2,000	3,000
	Rated Current	Heating (A)	3.00	4.25	6.78	8.50	13.50
ELECTRICAL		Heating (W)	750	1,000	1,560	2,000	2,850
	MOP (Rating of Overcurrent Protective Device)	A	15	15	20	25	35
	MCA (Minimum Circuit Ampacity)	Α	12	12	16	22	30
	Communication Wire Size and Type				4 × 14 AWG Stranded THHN	I	
	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
REFRIGERATION	Gas Pipe	in.	3/8	3/8	1/2	5/8	5/8
(R-454B)	Max. Pipe Length (Total) Max. Elevation	ft.	130	130	150	165	164
	(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
	Additional Nemigerant Ghange per Foot After 25 ft.		22-1/2×8-1/2×22-1/2		33-1/8×9-1/4×33-1/8		
	Dimension (W×H×D)	in.	570×215×570	22-1/2×8-1/2×22-1/2 570×215×570	840×236×840	33-1/8×9-1/4×33-1/8 840×236×840	33-1/8×10-3/4×33-1/8 840×272×840
		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
INDOOR UNIT	Packing (L×W×H)	mm	730×668×292	730×668×292	950×320×950	950×320×950	950×360×950
DIMENSIONS	Not Weight	lbs.	34.2	34.2	52.9	52.9	57.3
& WEIGHTS	Net Weight	kg	15.5	15.5	24.0	24.0	26.0
	Shipping Weight	lbs.	40.8	40.8	63.9	63.9	70.6
		kg	18.5	18.5	29.0	29.0	32.0
	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 39×17-3/4×28-3/4	900×750×340 41×32-5/8×18-1/8	1,100×875×450
OUTDOOR UNIT	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	39×17-3/4×28-3/4 990×730×450	1,040×830×460	45-7/8×39-1/2×21-1/4 1,165×1,005×540
DIMENSIONS		lbs.	79.4	79.4	103.6	123.4	185.2
& WEIGHTS	Net Weight	kg	36.0	36.0	47.0	56.0	84.0
	Chinning Waight	lbs.	86.0	86.0	111.3	132.3	209.4
	Shipping Weight	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
	Sillicinston (W-11-b)	mm	620×40×620	620×40×620	950×50×950	950×50×950	950×50×950
GRILLE	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
DIMENSIONS		mm	690×680×115	690×680×115	1,020×1,000×105	1,020×1,000×105	1,020×1,000×105
& WEIGHTS	Net Weight	lbs.	5.7 2.6	5.7 2.6	14.3	14.3 6.5	14.3 6.5
		kg lbs.	9.9	9.9	19.8	19.8	19.8
	Shipping Weight	kg	4.5	4.5	9.0	9.0	9.0
		Ng	4.0	4.0	7.0	7.0	7.0



Standard













DECORAT	IVE GRILLE
FPCG0912A	FPCG182436A
FITS FPHFC09A3D, FPHFC12A3D	FITS FPHFC18A3D, FPHFC24A3D, FPHFC36A3D

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

MODEL	Indoor Model	Unit	FPHFC09A3D	FPHFC12A3D	FPHFC18A3D	FPHFC24A3D
MUDEL	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	Cooling Capacity Range (MinMax.)	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	Heating Capacity Range (MinMax.)	Btu/h	5,500-18,000	5,500-18,000	8,500-24,000	7,500-34,000
AIRFLOW	Air Circulation (H/M/L)	ft ³ CFM	341/341/294/235	341/341/294/235	643/643/554/465	706/706/588/494
AIRFLOW	Sound Rating – Indoor (H/M/L)	dB(A)	52	52	50	53
FAN MOTOR	Output	W	57	57	75	75
FAN MUTUR	Speed (High/Med/Low)	r/min	700/600/500	700/600/500	420/380/320	470/400/340
	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
	Differsion (William)	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
DIMENSIONS	racking (EVV-III)	mm	730×668×292	730×668×292	950×950×320	950×950×320
& WEIGHTS	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
	Snipping weight	kg	18.5	18.5	29.0	29.0
	Discossics (MottoD)	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
	Dimension (W×H×D)	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
INDOOR	Packing (L*W*fl)	mm	690×680×115	690×680×115	1,020×1,000×105	1,020×1,000×105
GRILLE	Not Weight	lbs.	5.7	5.7	14.3	14.3
	Net Weight	kg	2.6	2.6	6.5	6.5
	Chinning Waishs	lbs.	9.9	9.9	19.8	19.8
	Shipping Weight	kg	4.5	4.5	9.0	9.0













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

For Outdoor Model Specs, see page 22.



THE INSIDER® CONCEALED DUCTED **HEAT PUMPS**



GOOD | BETTER | BEST

Key Features

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

- **■** BLDC motor
- · 3 fan speeds
- · External static pressure range 0-.40 (single-zone)
- External static pressure range 9K/12K/18K/24K 0-.40 WC (multi-zone)
- indicates sustainability feature
- · Built-in drain lift
- Wall controller included (FPWC1)
- · Control lock function on controller



Single-zone



FPHFR09A3D, FPHFR12A3D



FPHFR18A3D, FPHFR24A3D, FPHFR36A3D

EXTREME TEMPERATURE

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

Multi-zone



FPHMR18A3D



FPHMR27A3D, FPHMR36A3D, FPHMR42A3D



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



FPHFD09A3D, FPHFD12A3D, FPHFD18A3D, FPHFD24A3D, FPHSD36A3D











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

	Madal Cas		EDI IDOCOD	EDI ID 100D	FDI ID 100D	EDI IOO (OD	EDI IOG/OD
	Model Set Indoor Model	Unit	FPHD093D	FPHD123D	FPHD183D	FPHC243D	FPHC363D
	Outdoor Model	Unit	FPHFD09A3D FPHFR09A3D	FPHFD12A3D FPHFR12A3D	FPHFD18A3D FPHFR18A3D	FPHFD24A3D FPHFR24A3D	FPHSD36A3D FPHFR36A3D
MODEL	Power Supply	V/Hz/ph	FPHFRU7A3D	FPHFRIZASU	208V/230V~, 60Hz, 1P	FPHFR24A3D	FPHFR30A3D
	ENERGY STAR® Standard	Y/N	Υ	Υ	γ	Υ	Υ
	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
COOLING	EER2 @ 95°F	Btu/h/W	11.70	11.71	11.69	11.71	11.70
	SEER2	Btu/h/W	19.50	19.50	19.00	19.00	18.50
	Cooling Operating Range	°F	5-125	5-125	5-125	5-125	5-125
	Rated Capacity @ 47°F	Btu/h	9,000	12,000	18,000	24,000	36,000
	Heating Capacity Range (MinMax.)	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 W/W	3.52 1.80	3.52 1.80	3.43 2.00	3.52 2.00	3.64 2.00
HEATING	COP @ 5°F HSPF2	Btu/h/W	9.50	9.50	9.00	9.50	9.00
HEATING	Rated Capacity Heating @ 17°F (-8.3°C)	Btu/h	8,700	8,700	13,200	15,800	25,500
	Maximum Heating Capacity @ 5°F (-15°C)	Btu/h	12,000	12,000	18,000	24,000	36,000
	Maximum Heating Capacity @ -13°F (-25°C)	Btu/h	8,400	8,400	12,600	16,000	25,200
	Heating Operating Range	°F	-22-75	-22-75	-22-75	-22-75	-22-75
	Air Circulation (Max./H/M/L)	ft ³ 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							
INDOOR AIRFLOW	Sound Rating – Indoor (High)	dB(A)	52	52	50	53	60
AIRFLOW	ECD (in H O)	Rated With Filter	0.18	0.18	0.18	0.58	0.58
	ESP (in H ₂ 0)	Range With Filter	0-0.12	0-0.12	0-0.56	0-0.66	0-0.71
INDOOR	Output	W	57	57	75	75	106
FAN MOTOR							
	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
	Air Circulation (High) for Outdoor	ft ³ CFM	1,354	1,354	1,853	2,235	3,350
OUTDOOR	All Circulation (riigh) for Outdoor	IL CFM	1,334	1,334	1,033	2,233	3,330
AIRFLOW							
	Sound Rating – Outdoor	dB(A)	64.0	64.0	68.0	71.0	74.0
OUTDOOR FAN MOTOR	Output	W	40	40	60	102	250
	output		40	40		102	250
	Speed (High)	r/min	880	880	880	870	850
		Cooling (A)	3.10	4.50	6.70	9.40	13.40
		Cooling (W)	769	1,025	1,540	2,050	2,820
	Rated Current	Heating (A)	2.86	4.30	6.78	9.20	13.80
		Heating (W)	750	1,000	1,540	2,050	2,900
ELECTRICAL	MOP (Rating of Overcurrent Protective Device)	A	15	15	20	25	35
	MCA (Minimum Circuit Ampacity)	Α	12	12	16	22	30
	Communication Wire Size and Type				4 × 14 AWG Stranded THHN	1	
	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
REFRIGERATION	Gas Pipe	in.	3/8	3/8	1/2	5/8	5/8
(R-454B)	Max. Pipe Length (Total)	ft.	130	130	150	165	164
	Max. Elevation (Indoor Units Higher Than Outdoor Unit)	ft.	50	50	80	100	98
		4.	05	05	05	05	05
	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
	Discoursing (Multipl)	in.	35-7/8×7-1/2×17-5/8	35-7/8×7-1/2×17-5/8	31-1/2×9-5/8×27-1/2	43-1/4×9-5/8×27-1/2	55-1/8×11-3/4×31-1/2
	Dimension (W×H×D)	mm	910×190×447	910×190×447	800×245×700	1,100×245×700	1,400×300×800
INDOOR UNIT	Packing (L×W×H)	in.	42-1/2×22-1/4×11-1/4	42-1/2×22-1/4×11-1/4	38-5/8×12-3/8×31-7/8	50-3/8×12-3/8×31-7/8	62-1/4×15×36-1/4
DIMENSIONS &	g (= · · · · /	mm	1,080×565×285	1,080×565×285	980×315×810	1,280×315×810	1,580×380×920
WEIGHTS	Net Weight	lbs.	44.1	44.1	58.4	73.9	112.4
		kg lbs.	20.0 51.8	20.0 51.8	26.5 58.4	33.5 73.9	51.0 125.7
	Shipping Weight	kg	23.5	23.5	31.0	38.5	57.0
	D: (W. II =)	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
	Dimension (W×H×D)	mm	810×580×280	810×580×280	860×670×310	900×750×340	1,100×875×450
OUTDOOR UNIT	Packing (LxWxH)	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
DIMENSIONS	Packing (L×W×H)	mm	940×420×640	940×420×640	990×450×730	1,040×830×460	1,165×1,005×540
& WEIGHTS	Net Weight	lbs.	79.4	79.4	103.6	123.4	185.2
	5	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















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

MODEL	Indoor Model	Unit	FPHFD09A3D	FPHFD12A3D	FPHFD18A3D	FPHFD24A3D
MODEL	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	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	Heating Capacity Range (MinMax.)	Btu/h	5,300-18,000	5,300-18,000	5,700-30,000	7,600-37,500
	Air Circulation (H/M/L)	ft ³ CFM	324/324/294/235	324/324/294/235	530/530/471/412	735/735/647/559
AIRFLOW	Sound Rating – Indoor (H/M/L)	dB(A)	57	57	60	68
AIRFLOW	ESP (in H ₂ 0)	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
FAN MUTUR	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
	Discoursion (Moddon)	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
	Dimension (W×H×D)	mm	910×190×447	910×190×447	800×245×700	1,100×245×700
	Profile (LodWoll)	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
DIMENSIONS	Packing (L×W×H)	mm	1,080×565×285	1,080×565×285	980×315×810	1,280×315×810
& WEIGHTS	NestWeighe	lbs.	44.1	44.1	58.4	73.9
	Net Weight	kg	20.0	20.0	26.5	33.5
	Chinning Maight	lbs.	51.8	51.8	58.4	73.9
	Shipping Weight	kg	23.5	23.5	31.0	38.5

With Registration















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

20 FLOATING AIR™ DUCTLESS MINI-SPLIT SYSTEMS

For Outdoor Model Specs, see page 22.



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







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
MODEL	Power Supply	V/ph/Hz	208V/230V	~, 60Hz, 1P
COOLING	Rated Capacity @ 95°F	Btu/h	18,000	24,000
COULING	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	Heating Capacity Range (Min.–Max.)	Btu/h	11,700-33,000	11,700–33,000
	Rated Airflow	ft ³ CFM	800	800
AIRFLOW	MinMax.	ft ³ CFM	529-823	529-823
	Sound Rating – Indoor (High)	dB(A)	51	51
	Output	W	373	373
FAN MOTOR	RLA	Α	2.6	2.6
	Speed (High/Low)	r/min	350-1,400	350-1,400
	Dimension (W×H×D)	in.	17-4/8×45×21	17-4/8×45×21
	Dimension (W×H×D)	mm	445×1,143×534	445×1,143×534
	Dealing (LyllyW)	in.	20-4/8×25-2/8×49-6/8	20-4/8×25-2/8×49-6/8
DIMENSIONS	Packing (L×H×W)	mm	520×1,265×640	520×1,265×640
& WEIGHTS	Net Weight	lbs.	130.5	130.5
	Net Weight	kg	59.2	59.2
	Chinning Misinha	lbs.	153.6	153.6
	Shipping Weight	kg	69.7	69.7













Friedrich.com/FloatingAir 21



	Outdoor Model		FPHMR18A3D	FPHMR27A3D	FPHMR36A3D	FPHMR42A3D	
OUTDOOR	Power Supply	V/Hz/ph		208V/230	V~, 60Hz,1P		
MODEL	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	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	
COOLING	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	
	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	
HEATING	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	ft ³ CFM	1,850	3,357	3,357	3,357	
AIRFLOW	Sound Rating – Outdoor	dB(A)	55	62	64	64	
FAN MOTOR	Output	W	60	220	220	220	
FAN MUTUR	Speed (High)	r/min	880	850	830	830	
		Cooling (A)	6.3	9.3	12.8	15.5	
	Rated Current	Cooling (W)	1,350	2,100	2,802	3,500	
	nated ourrent	Heating (A)	6.4	10.0	12.5	18.0	
ELECTRICAL		Heating (W)	1,380	2,200	2,700	3,910	
	MOP (Rating of Overcurrent Protective Device)	A	25	30	35	40	
	MCA (Minimum Circuit Ampacity)	A	21	27	34	37	
	Communication Wire Size and Type			4 × 14 AWG S	Stranded THHN		
	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	
REFRIGERATION (R-454B)	Connection		Flare	Flare	Flare	Flare	
(1(4345)	Max. Pipe Length (Total)	ft.	164.0	230.0	230.0	262.0	
	Max. Elevation	ft.	49.0	49.0	49.0	49.0	
	(Indoor Units Higher Than Outdoor Unit) Pre-charge Pipe Length	ft.	50.0	75.0	100.0	125.0	
	Additional Refrigerant Charge per Foot After 25 ft.	oz./ft.	0.16	0.16	0.16	0.16	
		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	
	Dimension (W×H×D)	mm	860×670×310	975×835×360	975×835×360	975×835×360	
		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	
DIMENSIONS 8	Packing (L×W×H)	mm	990×450×730	1,111×460×960	1,111×460×960	1,111×460×960	
DIMENSIONS & WEIGHTS		lbs.	101.4	160.6	169.8	172.0	
	Net Weight	kg	46.0	72.9	77.0	78.0	
		lbs.	112.4	183.2	191.8	194	
	Shipping Weight	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

48,000 Btu.

Choose any combination of (4) indoor units. When an air handler is installed, the maximum combination is (3) indoor units.

Combinations SHOULD NOT: Exceed the maximum allowable total indoor unit connected capacity of



FPHMR42A3D 54,000 Btu MAX. CONNECTED CAPACITY

2 ZONES

Choose two (2) indoor units up to 48,000 Btu

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. When an air handler is installed, the maximum combination is (4) 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
	215792836	Non-Ducted Indoor Units	18,000	13.30	22	18,000	10	11,500	1.99	13,356
FPHMR18A3D	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
	215792839	Non-Ducted Indoor Units	27,000	12.85	23	27,000	10	17,600	1.82	19,177
FPHMR27A3D	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
	215792846	Non-Ducted Indoor Units	36,000	12.85	22	36,000	10	22,600	1.92	26,175
FPHMR36A3D	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
	215792843	Non-Ducted Indoor Units	42,000	12.00	22	48,000	9.5	28,200	1.92	27,216
FPHMR42A3D	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

FPHMR36A3D



ZONE 1 ZONE 2 ZONE 3 ZONE 4 TOTAL

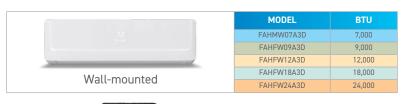
2, 3, OR 4 **ZONES** 36,000 BTU 48,000 Btu max. connected capacity

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

70NF 1	ZONE 2	70NF 2	TOTAL
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

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

INDOOR UNITS



	MODEL	BTU
The state of the s	FPHFC09A3D	9,000
(1)	FPHFC12A3D	12,000
Coiling cassette	FPHFC18A3D	18,000
Ceiling cassette	FPHFC24A3D	24,000

	MODEL	BTU
	FPHFD09A3D	9,000
	FPHFD12A3D	12,000
Concealed ducted	FPHFD18A3D	18,000
Conceated ducted	FPHFD24A3D	24,000

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

7	24	-	-	31*
9	24	-	-	33*
12	18	-	-	30*
12	24	-	-	36*
18	18	-	-	36*
18	24	-	-	42*
24	24	-	-	48*
7	7	7	-	21
7	7	9	-	23
7	7	12		26
			-	
7	7	18	-	32*
7	7	24	-	38*
7	9	9	-	25
7	9	12	-	28
7	9	18	-	34*
7	9	24	-	40*
7		12		31
	12		-	
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
	10	12	18	51
9	12 12	12	10	31

*Acceptable combination allowed with air handler unit.

FLOATING AIR™ PRO X | MULTI-ZONE ALLOWABLE CONFIGURATIONS



2, 3, 4, OR 5 **ZONES** 42,000 BTU 54,000 Btu max. connected capacity

PHMR42	A3D				
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 12	-	-	23 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 18	24 18	-	-	43* 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	18 24	-	-	45* 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 24	-	39* 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 18	-	37 43*
7	9	9	24	-	43*
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 12	-	36 39
9	9	9	18	-	45*
9	9	9	24	-	51*
9	9	12	12	-	42
9	9	12	18	-	48*
9	9	12	24	-	54*
9	9	18	24	-	60
9	12	12	12	-	45
9	12	12	18	-	51*
9	12	12	24	-	57
12 12	12 12	12 12	12 18	-	48 54*

**		***		, ,,	٠.
*Acceptable combination	allowed	with	aır	nanaler	unit.

FPHMR42	A3D				
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
OUTSIDE DIMENSIONS & MIN./MAX. LENGTHS

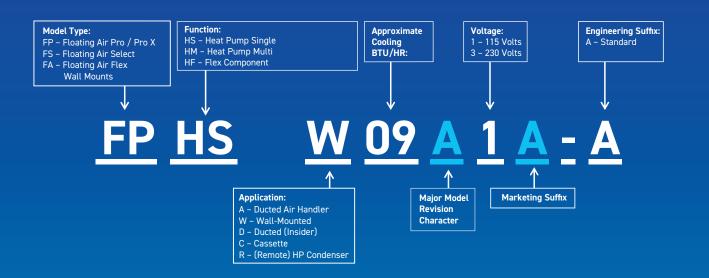
FLOATING AIR™ PRO & PRO	X SERIES WALL-MOUNTED					
Model Set	Liquid	Suction	Lineset Kit	Lineset Kit	Min. (ft.)	Max. Each/ Total (ft.)
FPHW091C	1/4	3/8	T32150 - 15'	T32350 - 35'	10	66
FPHW121C	1/4	3/8	T32150 - 15'	T32350 - 35'	10	66
FPHW093D	1/4	3/8	T32150 - 15'	T32350 - 35'	10	66
FPHW123D	1/4	3/8	T32150 - 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 WAI	LL-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 SERIE	S 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	T635	00 - 50'	10	164
FLOATING AIR™ PRO X SERIE	S THE INSIDER® SINGLE-ZO	NE 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	T635	00 - 50'	10	164
FLOATING AIR™ PRO X SERIE	S 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	82/230
FPHMR36A3D	1/4	3/8	T32150 - 15'	T32350 - 35'	25	82/230
FPHMR42A3D	1/4	3/8	T32150 - 15'	T32350 - 35'	25	82/262

AIR HANDLER REFRIGERATION LINE SET INFORMATION COMING SOON.

TORQUE WRENCH SETTINGS

Outside	Outside Diameter		orque
mm	in.	ftlbs.	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 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. Compatible with Floating Air wall-mounted, cassette, and concealed ducted indoor models. Not compatible with AHU indoor models. See your Friedrich representative for options.

Sensors (Optional, Depending Upon Model)



ADS01 - Field-installed A2L sensor for Floating Air R-454B wall-mounted applications. **ADS02 -** Field-installed A2L sensor for Floating Air R-32 wall-mounted applications. See Installation and Operational Manual for additional information & requirements.

26 FLOATING AIR™ DUCTLESS MINI-SPLIT SYSTEMS

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
- FreshAire® IAQ ready

Additional Standard Features:

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

Limited Warranty:

- Parts 7 years (standard) or 10 years (with registration at RegisterMyUnit.com)
- Compressor 10 years (standard)
- *See model series for details
- **Excludes FAHSW36A3D



Friedrich.com/FloatingAir



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

Rheem Sales Company, Inc. manufactures the Friedrich brand of residential heating & cooling products. In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice.









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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