

EFFICIENT & FLEXIBLE

COMFORT

FOR EVERY ROOM



Floating Air[®]

VERSATILE, SUPER-EFFICIENT
& ULTRA-QUIET

FRIEDRICH[®] FLOATING AIR[®] DUCTLESS MINI-SPLIT SYSTEMS

Customized comfort has never been more convenient. Designed to match your unique heating and cooling needs, Friedrich Floating Air Ductless Mini-split Systems are available in single- and multi-zone options. Plus, every unit offers high energy efficiencies and quiet operation, delivering peace of mind season after season.

Friedrich.com/FloatingAir



FRIEDRICH

DELIVERING BOLDLY CRAFTED COMFORT

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

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



Zero Duct Loss

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



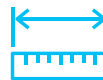
No Dirty Ducts

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



Heating & Cooling Flexibility

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



Total Installation Flexibility

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



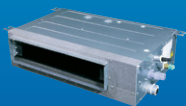
Wall-mounted Units

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



Ceiling Cassette Units

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



Insider® Concealed Ducted Units

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



24V Air Handler

In applications where ductwork makes the most sense, such as replacing an existing system, the **24V air handler option delivers the best of both worlds**—the convenience of whole-home comfort with the small space and low sound of a side-discharge outdoor unit.

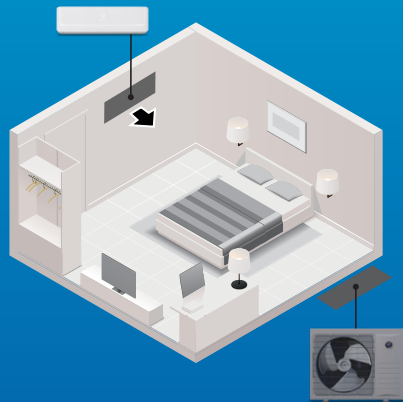
Comfort Customized to Your Needs

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



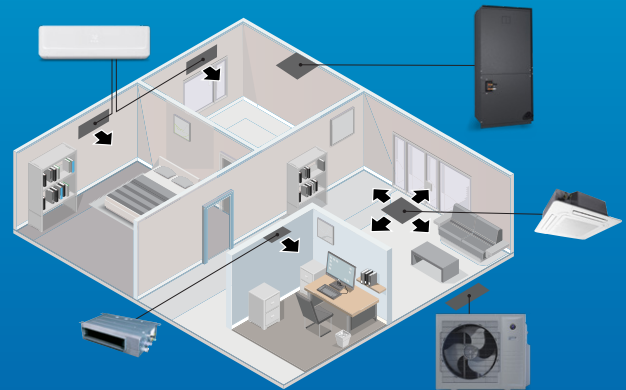
Single-zone Systems

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



Multi-zone Systems

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



¹Multi-zone units cannot heat and cool simultaneously.



Easy Service & Maintenance

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



Precision Comfort

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



Built to Perform & Built to Last

All systems are designed to heat and cool efficiently—and select systems can operate efficiently in extreme temperatures, with cooling in ambient temperatures as low as 5°F and heating down to -13°F. Plus, many models feature Diamonblue™ advanced corrosion protection, extending the unit's life.



Smart Control

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



Scan to Watch Video:
FASTPRO®

Precise Performance & Bold Features

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



Saving Energy While Maximizing Comfort

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

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



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



Earth-friendly Operation

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

Built-in Wi-Fi Connectivity

- Available on Floating Air Pro 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



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

Easy-maintenance Design With **FastPro**[®]

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

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



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



Simplified Troubleshooting

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



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

Find the Line That Best Suits Your Needs

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

BETTER | BEST

FLOATING AIR® PRO

The Friedrich Floating Air Pro line is available in wall-mounted, ceiling cassette, concealed ducted units and as a 24V air handler.

- Multi- or single-zone



BETTER | BEST

FLOATING AIR® SELECT

The Floating Air Select 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.

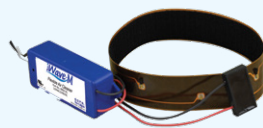
- Single-zone only



Accessories

FreshAir® IAQ (Optional)

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



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

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



Preliminary

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	Pro	Pro	Pro The Insider®	Pro The Insider®	Pro
FastPro® Design	—	•	•	—	—	—	—	—
115 Volt Models	•	•	—	—	—	—	—	—
SEER2 (Up To)	18.0	23.3	22.0	19.0	22.0	17.6	21.0	22.0
Low Ambient Cooling Operation	0°F	5°F	5°F	5°F	14°F	5°F	-4°F	-4°F
Low Ambient Heating Operation	-4°F	-4°F	-13°F	-22°F	-13°F	-22°F	-13°F	-13°F
Inverter-driven Compressor	•	•	•	•	•	•	•	•
Built-in Wi-Fi Models, ComfortPro Mobile App	—	•	•	•	•	—	—	—
Amazon Alexa Compatible	—	•	•	•	•	—	—	—
FreshAir® IAQ	•	•	•	—	—	—	—	—
Auto Changeover	•	•	—	•	—	•	—	—
24-hr. Programmable Timer	•	•	•	•	•	•	•	—
Remote Control	•	•	•	•	•	—	—	—
Wall Controller Option	•	•	•	•	•	Included	Included	Compatible with most 24V thermostats
7-Day Programmability (With Wall Control)	—	—	—	—	—	•	•	—
Auto Restart	•	•	•	•	•	•	•	•
Surge Cool/Heat	•	•	•	•	•	•	•	•
Dry Mode	•	•	•	•	•	•	•	•
Auto Clean	•	•	•	•	•	•	•	•
Advanced Corrosion Protection	•	•	•	•	•	•	•	•
4-Way Auto Swing	2-way	•	•	•	•	—	—	—
Washable Air Filter	•	•	•	•	•	•	•	—

Wall Controllers

(Optional)

FPWC1 – Optional wired wall controller for Floating Air Pro, single- and multi-zone models. Does not work with FPHSW36A3C at this time. Please check with your Friedrich representative for options.



FPWC1



DSSXEMWRTA4

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


Floating Air® SELECT WALL-MOUNTED HEAT PUMPS

FEATURING **FastPro®** DESIGN

BETTER | BEST

Key Features

- **Precision Inverter®** technology (variable speed compressor)
- Turbo mode operates the unit at maximum performance to quickly bring the room to set temperature
- 4 fan speeds – heating or cooling
- **Soft-Start™** compressor
- **BLDC** motor
- Auto-shut flaps close when unit is off for a sleek appearance
- Washable air filters
- 115V/230V models provide cooling in outdoor temperatures down to 5°F
- LCD remote

 indicates sustainability feature

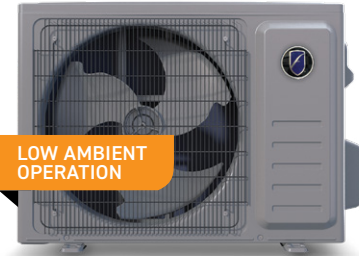


Single-Zone

115 VOLT MODELS:



FAHSW09A1C, FAHSW12A1C

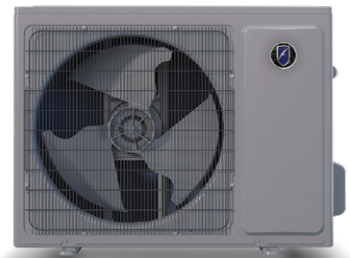
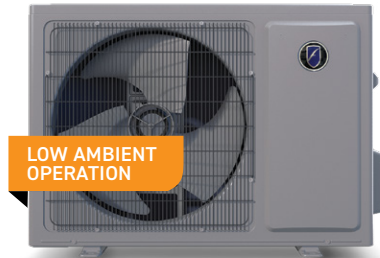


FHSR09B1C, FHSR12B1C

230/208 VOLT MODELS:



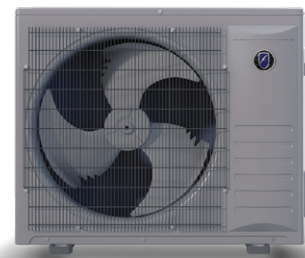
FAHFW18A3D, FAHFW24A3D



FHSR18B3D, FHSR24B3D



FAHSW36A3D



FHSR36B3D

FreshAir® IAQ READY

DIAMONBLUE™
Advanced Corrosion Protection

PRECISION INVERTER®

Standard		With Registration	
			

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

Preliminary

MODEL	FAC Model Set	Unit	FSHW091C	FSHW121C	FSHW183D	FSHW243D	FSHW363D
	FAC Indoor Model		FAHSW09A1C	FAHSW12A1C	FAHFW18A3D	FAHFW24A3D	FAHSW36A3D
COOLING	FAC Outdoor Model	V/ph/Hz	FSHSR09B1C	FSHSR12B1C	FSHSR18B3D	FSHSR24B3D	FSHSR36B3D
			Power Supply		115V~,60Hz,1P		208V/230V~,60Hz,1P
	ENERGY STAR® Standard	Y/N	Y	N	Y	N	N
	ENERGY STAR - Cold Climate	Y/N	N	N	N	N	N
	Rated Capacity @ 95°F	Btu/h	9,000	12,000	18,000	24,000	34,500
	Cooling Capacity Range (Min.-Max.)	Btu/h	3,600-10,000	4,000-13,000	6,500-19,000	8,000-25,000	9,300-36,000
	EER2 @ 95°F	Btu/h/W	12.5	10.2	12.0	10.6	9.4
	SEER2	Btu/h/W	20.0	18.0	21.0	19.5	20.0
	Working Temperature 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
	COP2 @ 47°F	W/W	4.1	3.4	3.9	3.3	3.2
	COP @ 5°F	W/W	2.0	1.9	2.4	2.0	1.8
	HSPF2	Btu/h/W	9.0	8.5	9.8	8.5	8.4
	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	18,900
	Maximum Heating Capacity @ -13°F (-25°C)	Btu/h	TBD	TBD	TBD	TBD	TBD
	Working Temperature 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	382/341/294/247	394/365/312/253	647/588/482/382
	Indoor Sound Pressure (Max./M/L/Quiet)	dB(A)	42/39/37/35/32	42/39/37/35/32	48/45/41/39/36	50/48/43/41/39	52/48/43/39/38
	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 Sound pressure	dB(A)	53	53	56	60	60
	Output	W	36	36	60	102	102
	Speed (High)	r/min	850	880	840	880	900
	Rated Current	Cooling (A)	6.7	10.7	6.4	10.0	16.0
		Cooling (W)	720	1,176	1,506	2,264	3,660
		Heating (A)	6.2	9.6	8.1	9.5	14.2
		Heating (W)	679	1,034	1,349	2,132	3,160
	MOP (Rating of Overcurrent Protective Device)	A	25	25	20	35	40
	MCA (Minimum Circuit Ampacity)	A	15	16	14.5	21.0	27
	Communication Wire Size and Type		4 × 18AWG	4 × 18AWG	4 × 18AWG	4 × 18AWG	4 × 18AWG
	Moisture Removal	pints/hr	1.9	2.5	3.8	4.2	7.9
	Connection		Flare	Flare	Flare	Flare	Flare
	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	3/8	5/8	5/8
	Max. Pipe Length (Total)	ft.	65.0	65.0	65.0	100.0	100.0
	Max. Elevation (Indoor Units Higher Than Outdoor Unit)	ft.	50.0	50.0	50.0	50.0	50.0
	Pre-charge Pipe Length	ft.	25.0	25.0	25.0	25.0	25.0
	Additional Refrigerant Charge per Foot After 25 ft.	oz./ft.	0.2	0.2	0.2	0.3	0.3
	Dimension (W×H×D)	in. 1/8ths	33 7/8×11 1/4×8 1/2	33 7/8×11 1/4×8 1/2	43 5/16×13 1/4×10	43 5/16×13 1/4×10	52 3/8 ×14 5/16 ×10 13/16
		mm	860×285×216	860×285×216	1,148×336×256	1,148×336×256	1,330×364×254
	Packing (L×H×W)	in. 1/8ths	36 9/16×15 11 3/16	36 9/16×15 11 3/16	47 13/16×15 3/16×13	47 13/16×15 3/16×13	56 1/8 ×15 9/16 ×18 1/8
		mm	930×380×285	930×380×285	1,215×410×330	1,215×410×330	1,425×395×460
	Net Weight	lbs.	22.1	22.1	32.0	32.0	40.8
		kg	10.0	10.0	14.5	14.5	18.5
	Shipping Weight	lbs.	26.5	26.5	37.5	37.5	121.3
		kg	12.0	12.0	17	17	55
	Dimension (W×H×D)	in. 1/8ths	28 1/8×21 1/4×9 1/2	28 1/8×21 1/4×9 1/2	31 7/8×23×11	33 7/8×25 9/16×12 3/16	35 7/16 ×13 3/8 ×29 1/2
		mm	715×540×240	715×540×240	810×585×280	860×650×310	900×750×340
	Packing (L×H×W)	in. 1/8ths	32 5/8×23 1/5 ×13 3/8	32 5/8×23 1/5 ×13 3/8	37×25 3/16×15 3/16	39 3/16×28 3/4×17 1/2	41 3/4 ×17 11/16 ×32 5/16
		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	50.3
		kg	24.0	26.0	39.0	46.0	22.8
	Shipping Weight	lbs.	57.3	61.7	92.6	110.3	132.3
		kg	26.0	28.0	42	50	60




Floating Air® PRO WALL-MOUNTED HEAT PUMPS

FEATURING **FastPro®** DESIGN

BETTER | BEST

Key Features

- Precision Inverter® technology (variable speed compressor)
- Soft-Start™ compressor
- BLDC motor
- Tangential fan for optimum air flow (single-zone)
- Ultra quiet operation
- Sleep mode
- ENERGY STAR® qualified models
- Easy-to-read temperature display
- Low ambient operation down to -13°F (Heating mode)
- LCD remote

 indicates sustainability feature

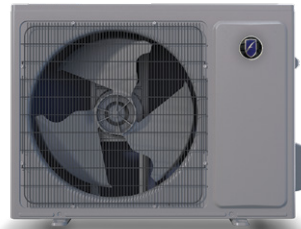
SMART HOME READY



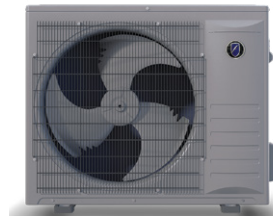
Single-Zone



FAHSW09A1C, FAHSW12A1C,
FAHFW09A3D, FAHFW12A3D



FAHFW18A3D

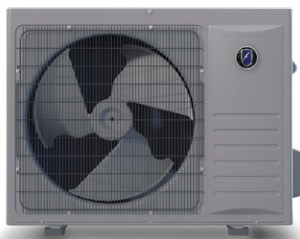


FAHFW24A3D



- Low ambient operation down to 5°F (Cooling mode)
- Low ambient operation down to -13°F (Heating mode)
- Low temperature compressor start-up protection

Multi-Zone



FPHMR18A3D



FPHMR27A3D, FPHMR36A3D,
FPHMR42A3D



- Low ambient operation down to 14°F (Cooling mode)
- Low ambient operation down to -13°F (Heating mode)
- Low temperature compressor start-up protection

FreshAir® IAQ READY

DIAMONBLUE™
Advanced Corrosion Protection

PRECISION INVERTER®

Standard
7YR. PARTS WARRANTY
10YR. COMPRESSOR WARRANTY

With Registration

10YR. PARTS WARRANTY
10YR. COMPRESSOR WARRANTY

works with Google Home

works with alexa

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

Preliminary

MODEL	FAC Model Set		FSHW091C	FSHW121C	FSHW183D	FSHW243D	FSHW363D	FPHW243D
	FAC Indoor Model	Unit	FAHSW09A1C	FAHSW12A1C	FAHFV18A3D	FAHFV24A3D	FAHSW36A3D	FAHFV24A3D
FAC Outdoor Model			FSHSR09B1C	FSHSR12B1C	FSHSR18B3D	FSHSR24B3D	FSHSR36B3D	FPHSR24A3D
Power Supply		V/ph/Hz	115V~,60Hz,1P		208V/230V~,60Hz,1P			
ENERGY STAR® Standard		Y/N	Y	N	Y	N	N	Y
ENERGY STAR - Cold Climate		Y/N	Y	N	Y	N	N	Y
COOLING	Rated Capacity @ 95°F	Btu/h	9,000	12,000	9,000	12,000	18,000	24,000
	Cooling Capacity Range (Min.-Max.)	Btu/h	3,600-1,0000	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	12.3	12.3	13.7	12.3	13.0	12.3
	SEER2	Btu/h/W	23.0	22.0	25.0	23.0	21.0	22.5
Working Temperature Range		°F	5-118	5-118	5-118	5-118	5-118	5-118
HEATING	Rated Capacity @ 47°F	Btu/h	9,500	12,000	9,000	12,000	18,000	24,000
	Heating Capacity Range (Min.-Max.)	Btu/h	3,600-10,000	4,000-13,000	3,600-10,000	4,000-13,000	6,500-19,000	8,000-25,000
	COP2 @ 47°F	W/W	4.0	4.0	4.0	3.8	3.7	3.6
	COP @ 5°F	W/W	1.9	1.9	2.1	2	1.9	1.8
	HSPF2	Btu/h/W	10.0	9.5	11.0	10.0	10.0	9.5
	Rated Capacity Heating @ 17°F (-8.3°C)	Btu/h	9,500	9,300	9,000	10,800	18,000	22,000
	Maximum Heating Capacity @ 5°F (-15°C)	Btu/h	8,700	9,200	9,000	11,000	18,000	19,800
	Maximum Heating Capacity @ -13°F (-25°C)	Btu/h	4,600	5,900	5,400	6,100	11,500	12,100
	Working Temperature Range	°F	-13-75	-13-75	-13-75	-13-75	-13-75	-13-75
INDOOR AIRFLOW	Air Circulation (Max./H/M/L)	ft³ CFM	382/341/294/247	394/365/312/253	382/341/294/247	394/365/312/253	647/588/482/382	706/647/559/441
INDOOR FAN MOTOR	Output	W	46	46	25	25	35	35
	Speed (High/Med/Low)	r/min	1,100/940/800	1,154/992/800	1,101/938/800	1,154/992/800	1,100/960/800	1,200/1,040/880
OUTDOOR AIRFLOW	Air Circulation (High) for Outdoor	ft³ CFM	1,471	1,471	1,471	1,471	1,942	2,531
	Outdoor Sound pressure	dB(A)	53	53	53	53	58	61
OUTDOOR FAN MOTOR	Output	W	36	36	36	36	60	102
	Speed (High)	r/min	850	880	880	880	840	880
ELECTRICAL	Rated Current	Cooling (A)	6.0	6.0	2.5	4.3	6.1	8.7
		Cooling (W)	641	980	659	980	1,390	1,959
		Heating (A)	6.4	6.4	3.1	4.1	6.5	9.3
		Heating (W)	696	960	659	926	1,426	1,954
	MOP (Rating of Overcurrent Protective Device)	A	25	25	15	15	30	35
MCA (Minimum Circuit Ampacity)	A	16	16	9.5	10.5	20	22	
Communication Wire Size and Type		4 × 18AWG	4 × 18AWG	4 × 18AWG	4 × 18AWG	4 × 18AWG	4 × 18AWG	
REFRIGERATION (R454B)	Moisture Removal	pints/hr	1.9	2.5	1.9	2.5	3.2	4.7
	Connection		Flare	Flare	Flare	Flare	Flare	Flare
	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.	65.0	65.0	65.0	65.0	100.0	100.0
	Max. Elevation (Indoor Units Higher Than Outdoor Unit)	ft.	50.0	50.0	50.0	50.0	50.0	50.0
	Pre-charge Pipe Length	ft.	25.0	25.0	25.0	25.0	25.0	25.0
	Additional Refrigerant Charge per Foot After 25 ft.	oz./ft.	0.2	0.2	0.2	0.2	0.2	0.3
INDOOR UNIT	Dimension (W×H×D)	in. 1/8ths	33 7/8×11 1/4×8 1/2	33 7/8×11 1/4×8 1/2	33 7/8×11 1/4×8 1/2	33 7/8×11 1/4×8 1/2	43 5/16×13 1/4×10	43 5/16×13 1/4×10
		mm	860×285×216	860×285×216	860×285×216	860×285×216	1,148×336×256	1,148×336×256
	Packing (L×H×W)	in. 1/8ths	36 9/16×15 ×11 3/16	36 9/16×15 ×11 3/16	36 9/16×15 ×11 3/16	36 9/16×15 ×11 3/16	47 13/16×15 3/16×13	47 13/16×15 3/16×13
		mm	930×380×285	930×380×285	930×380×285	930×380×285	1,215×410×330	1,215×410×330
	Net Weight	lbs.	22.1	22.1	22.1	22.1	34.2	34.2
		kg	10.0	10.0	10.0	10.0	15.5	15.5
lbs.		26.5	26.5	26.5	26.5	39.7	39.7	
Shipping Weight	kg	12.0	12.0	12.0	12.0	18	18	
OUTDOOR UNIT	Dimension (W×H×D)	in. 1/8ths	31 7/8×23×11	31 7/8×23×11	31 7/8×23×11	31 7/8×23×11	33 7/8×25 1/2×12 3/16	35 3/8×29 1/2×13 1/2
		mm	810×585×280	810×585×280	810×585×280	810×585×280	860×650×310	900×750×340
	Packing (L×H×W)	in. 1/8ths	37×25 3/4×15 3/16	37×25 3/4×15 3/16	37×25 3/4×15 3/16	37×25 3/4×15 3/16	39 3/16×28 3/8×16 1/2	41 3/4×32 1/4×17 3/4
		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	51
Shipping Weight	lbs.	86.0	86.0	81.6	81.6	105.8	121.3	
	kg	39	39	37	37	48	55	



FLOATING AIR® PRO | MULTI-ZONE | WALL-MOUNTED HEAT PUMPS

Preliminary

MODEL	FAC Indoor Model	Unit	FAHFW07A3D	FAHFW09A3D	FAHFW12A3D	FAHFW18A3D	FAHFW24A3D
		Power Supply	V/ph/Hz	208V/230V~,60Hz,1P			
COOLING	Rated Capacity @ 95°F	Btu/h	7,000	9,000	12,000	18,000	24,000
	Cooling Capacity Range (Min.-Max.)	Btu/h	3,600-10,000	3,600-10,000	4,000-13,000	6,500-19,000	8,000-25,000
HEATING	Rated Capacity @ 47°F	Btu/h	7,000	9,000	12,000	18,000	24,000
	Heating Capacity Range (Min.-Max.)	Btu/h	3,600-10,000	3,600-10,000	4,000-13,000	6,500-19,000	8,000-25,000
AIRFLOW	Air Circulation (Max./H/M/L)	ft³ CFM	382/341/294/247	382/341/294/247	394/365/312/253	647/588/482/382	706/647/559/441
	Indoor Sound Pressure (Max./H/M/L/ Quiet)	dB(A)	42/39/37/35/32	42/39/37/35/32	42/39/37/35/32	48/45/41/39/36	50/48/43/41/39
FAN MOTOR	Output	W	25	25	25	35	35
	Speed (High/Med/Low)	r/min	1,101/938/800	1,101/938/800	1,154/992/800	1,100/960/800	1,200/1,040/880
REFRIGERATION	Moisture Removal	pints/hr		1.9	2.5	3.2	4.7
	Connection		Flare	Flare	Flare	Flare	Flare
DIMENSIONS & WEIGHTS	Dimension (W×H×D)	in. 1/8ths	33 7/8x11 1/4x8 1/2	33 7/8x11 1/4x8 1/2	33 7/8x11 1/4x8 1/2	43 5/16x13 1/4x10	43 5/16x13 1/4x10
		mm	860x285x216	860x285x216	860x285x216	1,148x336x256	1,148x336x256
	Packing (L×H×W)	in. 1/8ths	36 9/16x15x11 3/16	36 9/16x15x11 3/16	36 9/16x15x11 3/16	47 13/16x15 3/16x13	47 13/16x15 3/16x13
		mm	930x380x285	930x380x285	930x380x285	1,215x410x330	1,215x410x330
	Net Weight	lbs.	22.1	22.1	22.1	34.2	34.2
		kg	10	10	10	15.5	15.5
	Shipping Weight	lbs.	26.5	26.5	26.5	39.7	39.7
		kg	12	12	12	18	18

FLOATING AIR® PRO | MULTI-ZONE | OUTDOOR UNITS







For Outdoor Model Specs, see page 20.



Floating Air[®] PRO CEILING CASSETTE HEAT PUMPS

BETTER | BEST

Key Features

-  Precision Inverter[®] technology (variable speed compressor)
-  BLDC motor
-  Soft-Start[™] compressor
- 360/8-way air flow
- 4-way cooling
-  Sleep mode
- Independent vane control
- 3 fan speeds
- Ultra-quiet turbo fan
-  indicates sustainability feature
- Evaporator frost control
- Clean, modern look
- Flexible installation
-  ENERGY STAR[®] qualified models
- Precise air distribution
- LCD remote

SMART HOME READY



Single-Zone



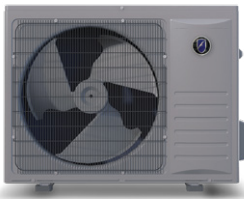
EXTREME TEMPERATURE HEAT PUMP

- Built-in low ambient standard, down to 5°F (Cooling mode)
- Low ambient operation down to -4°F (Heating mode)

BREEZE[™] Premier

Single-zone Ceiling Cassette Heat Pumps also available as part of the Breeze Premier Universal Heat Pump lineup.

Multi-Zone



FPHMR18A3D



FPHMR27A3D, FPHMR36A3D, FPHMR42A3D

EXTREME TEMPERATURE HEAT PUMP

- Built-in low ambient standard, down to 14°F (Cooling mode)
- Low ambient operation down to -13°F (Heating mode)
- Low temperature compressor start-up protection

FreshAir[®] IAQ READY
*Applies to single-zone ceiling cassette units only.

 **DIAMONBLUE[™]**
Advanced Corrosion Protection

PRECISION INVERTER[®]

Standard		With Registration	
			

 works with Google Home

 works with alexa

NOTE: Cassette grilles are sold separately. See next page.

FLOATING AIR® PRO | SINGLE-ZONE | CEILING CASSETTE HEAT PUMPS

Preliminary

MODEL	FAC Model Set	Unit	FPHC093D	FPHC123D	FPHC183D	FPHC243D	FPHC363D
	FAC Indoor Model		FPHFC09A3D	FPHFC12A3D	FPHFC18A3D	FPHFC24A3D	FPHFC36A3D
COOLING	FAC Outdoor Model	V/ph/Hz	FPFHR09A3D	FPFHR12A3D	FPFHR18A3D	FPFHR24A3D	FPFHR36A3D
			Power Supply		208V/230V~,60Hz,1P		
	ENERGY STAR® Standard	Y/N	Y	Y	Y	Y	Y
	ENERGY STAR – Cold Climate	Y/N	Y	Y	Y	Y	Y
COOLING	Rated Capacity @ 95°F	Btu/h	9,000	12,000	18,000	24,000	36,000
	Cooling Capacity Range (Min.–Max.)	Btu/h	4,300–14,500	4,300–14,500	7,800–24,000	9,000–30,000	12,000–45,000
	EER2 @ 95°F	Btu/h/W	12.0	12.0	12.0	12.0	12.0
	SEER2	Btu/h/W	20.0	20.0	20.0	20.0	20.0
	Working Temperature Range	°F	5–125	5–125	5–125	5–125	5–125
HEATING	Rated Capacity @ 47°F	Btu/h	9,000	12,000	18,000	24,000	36,000
	Heating Capacity Range (Min.–Max.)	Btu/h	5,500–18,000	5,500–18,000	850–24,000	7,380–30,000	11,000–45,000
	COP2 @ 47°F	W/W	3.52	3.52	3.38	3.9	3.7
	COP @ 5°F	W/W	1.8	1.8	2	2	2
	HSPF2	Btu/h/W	9.5	9.5	10.0	10.5	9.5
	Rated Capacity Heating @ 17°F (-8.3°C)	Btu/h	8,900	8,900	14,700	20,000	25,500
	Maximum Heating Capacity @ 5°F (-15°C)	Btu/h	12,000	12,000	18,000	24,000	36,000
	Maximum Heating Capacity @ -13°F (-25°C)	Btu/h	5,400	6,100	11,500	12,100	4
	Working Temperature Range	°F	-22–75	-22–75	-22–75	-22–75	-22–75
	INDOOR AIRFLOW	Air Circulation (H/M/L)	ft. ³ CFM	341/294/235	341/294/235	588/500/394	647/530/400
Indoor Sound Pressure (H/M/L/Quiet)		dB(A)	52/32/29	52/37/33	39/32/29	44/40/38	60/43/39
INDOOR FAN MOTOR	Output	W	1/13HP	1/13HP	TBD	TBD	1/7HP
	Speed (High/Med/Low)	r/min	700/600/500	700/600/500	TBD	660/560/480	660/560/480
OUTDOOR AIRFLOW	Air Circulation (High) for Outdoor	ft. ³ CFM	2,300	2,300	TBD	TBD	3,350
	Outdoor Sound pressure	dB(A)	64	64	TBD	TBD	74
OUTDOOR FAN MOTOR	Output	W	40	40	TBD	TBD	250
	Speed (High)	r/min	880	880	TBD	TBD	850
ELECTRICAL	Rated Current	Cooling (A)	3	4.3	6.3	8.5	14.2
		Cooling (W)	750	1,000	1,500	2,000	3,000
		Heating (A)	3	4.25	6.78	7.68	13.5
		Heating (W)	750	1,000	1,560	1,805	2,850
	MOP (Rating of Overcurrent Protective Device)	A	20	20	TBD	TBD	50
	MCA (Minimum Circuit Ampacity)	A	12	12	TBD	TBD	30
Communication Wire Size and Type		4 × 18AWG	4 × 18AWG	4 × 18AWG	4 × 18AWG	4 × 18AWG	
REFRIGERATION (R454B)	Moisture Removal	pints/hr	1.9	2.5	3.2	4.7	TBD
	Connections		Flare	Flare	Flare	Flare	Flare
	Refrigerant Charge Volume	oz.	38.1	38.1	TBD	TBD	112.8
	Liquid Pipe	in	1/4	1/4	1/4	3/8	3/8
	Gas Pipe	in	3/8	3/8	1/2	5/8	5/8
	Max. Pipe Length (Total)	ft.	130	130	TBD	TBD	164
	Max. Elevation (Indoor Units Higher Than Outdoor Unit)	ft.	50	50	TBD	TBD	98
	Pre-charge Pipe Length	ft.	25	25	TBD	TBD	25
	Additional Refrigerant Charge per Foot After 25 ft.	oz./ft.	0.16	0.16	TBD	TBD	0.38
INDOOR UNIT	Dimension (W×H×D)	in. 1/8ths	22 1/2×8 1/2×22 1/2	22 1/2×8 1/2×22 1/2	TBD	TBD	33 1/8×9 3/4×33 1/8
		mm	570×215×570	570×215×570	TBD	TBD	840×272×840
	Packing (L×H×W)	in. 1/8ths	28-3/4×26-1/4×11-1/2	28-3/4×26-1/4×11-1/2	TBD	TBD	37-3/8×14-1/8×37-3/8
		mm	730×668×292	730×668×292	TBD	TBD	950×360×950
	Net Weight	lbs.	34.2	34.2	TBD	TBD	57.32
		kg	15.5	15.5	TBD	TBD	26
Shipping Weight	lbs.	40.8	40.8	TBD	TBD	70.6	
	kg	18.5	18.5	TBD	TBD	32	
INDOOR GRILLE	Dimension (W×H×D)	in. 1/8ths	24-3/8×1-5/8×24-3/8	24-3/8×1-5/8×24-3/8	TBD	TBD	37-3/8×2×37-3/8
		mm	620×40×620	620×40×620	TBD	TBD	950×50×950
	Packing (L×H×W)	in. 1/8ths	27-1/8×26-3/4 ×4-1/2	27-1/8×26-3/4 ×4-1/2	TBD	TBD	40-1/8×4-1/8×39-3/8
		mm	690×680×115	690×680×115	TBD	TBD	1,020×105×1,000
	Net Weight	lbs.	5.7	5.7	TBD	TBD	14.33
		kg	2.6	2.6	TBD	TBD	6.5
Shipping Weight	lbs.	9.9	9.9	TBD	TBD	19.84	
	kg	4.5	4.5	TBD	TBD	9	
OUTDOOR UNIT	Dimension (W×H×D)	in. 1/8ths	31-7/8×22-7/8×11	31-7/8×22-7/8×11	TBD	TBD	43-1/4×34-1/2×17-3/4
		mm	810×580×280	810×580×280	TBD	TBD	1,100×875×450
	Packing (L×H×W)	in. 1/8ths	37×16-1/2×25-1/4	37×16-1/2×25-1/4	TBD	TBD	45-7/8×39-1/2×21-1/4
		mm	940×420×640	940×420×640	TBD	TBD	1,165×1,005×540
	Net Weight	lbs.	79.4	79.4	TBD	TBD	185.2
		kg	36	36	TBD	TBD	84
Shipping Weight	lbs.	86	86	TBD	TBD	209.4	
	kg	39	39	TBD	TBD	95	

Ceiling Cassette Grilles

(Required)



FPCG0912A



FPCG182436A

DECORATIVE GRILLE

FPCG0912A

FITS
FPHFC09A3D,
FPHFC12A3D

FPCG182436A

FITS
FPHFC18A3D,
FPHFC24A3D,
FPHFC36A3D



FLOATING AIR® PRO | MULTI-ZONE | CEILING CASSETTE HEAT PUMPS

Preliminary

MODEL	FAC Indoor Model	Unit	FPHFC09A3D	FPHFC12A3D	FPHFC18A3D	FPHFC24A3D
		Power Supply	V/ph/Hz	208V/230V~,60Hz,1P		
COOLING	Rated Capacity @ 95°F	Btu/h	9,000	12,000	18,000	24,000
	Cooling Capacity Range (Min.-Max.)	Btu/h	4,300-14,500	4,300-14,500	7,800-24,000	9,000-30,000
HEATING	Rated Capacity @ 47°F	Btu/h	9,000	12,000	18,000	24,000
	Heating Capacity Range (Min.-Max.)	Btu/h	5,500-18000	5,500-18,000	8,500-24,000	7,380-30,000
AIRFLOW	Air Circulation (H/M/L)	ft³ CFM	341/294/235	341/294/235	588/500/394	647/530/400
	Indoor Sound Pressure (H/M/L)	dB(A)	52/32/29	52/37/33	39/32/29	44/40/38
FAN MOTOR	Output	W	1/13HP	1/13HP	TBD	TBD
	Speed (High/Med/Low)	r/min	700/600/500	700/600/500	TBD	660/560/480
REFRIGERATION	Moisture Removal	pints/hr	1.9	2.5	3.2	4.7
	Connection		Flare	Flare	Flare	Flare
DIMENSIONS & WEIGHTS	Dimension (W×H×D)	in. 1/8ths	22 1/2×8 1/2×22 1/2	22 1/2×8 1/2×22 1/2	TBD	TBD
		mm	570×215×570	570×215×570	TBD	TBD
	Packing (L×H×W)	in. 1/8ths	28-3/4×26-1/4×11-1/2	28-3/4×26-1/4×11-1/2	TBD	TBD
		mm	730×668×292	730×668×292	TBD	TBD
	Net Weight	lbs.	34.2	34.2	TBD	TBD
		kg	15.5	15.5	TBD	TBD
	Shipping Weight	lbs.	40.8	40.8	TBD	TBD
		kg	18.5	18.5	TBD	TBD
INDOOR GRILLE	Dimension (W×H×D)	in. 1/8ths	24-3/8×1-5/8×24-3/8	24-3/8×1-5/8×24-3/8	TBD	TBD
		mm	620×40×620	620×40×620	TBD	TBD
	Packing (L×H×W)	in. 1/8ths	27-1/8×26-3/4×4-1/2	27-1/8×26-3/4×4-1/2	TBD	TBD
		mm	690×680×115	690×680×115	TBD	TBD
	Net Weight	lbs.	5.7	5.7	TBD	TBD
		kg	2.6	2.6	TBD	TBD
	Shipping Weight	lbs.	9.9	9.9	TBD	TBD
		kg	4.5	4.5	TBD	TBD

FLOATING AIR® PRO | MULTI-ZONE | OUTDOOR UNITS

For Outdoor Model Specs, see page 20.






Floating Air[®] PRO THE INSIDER[®] CONCEALED DUCTED HEAT PUMPS



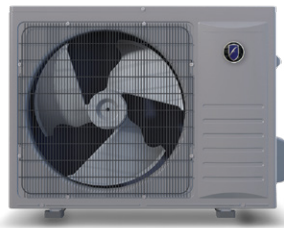
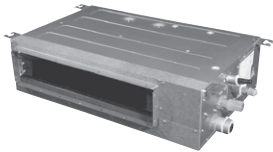
BETTER | BEST

Key Features

-  Precision Inverter[®] technology (variable speed compressor)
-  Soft-Start[™] compressor
-  BLDC motor
- 3 fan speeds
- Control lock function on controller
- External static pressure range 0-.40 (single-zone)
- External static pressure range 9K/12K/18K (0-.40) WC (multi-zone)
- External static pressure range 24K (0-.40) WC (multi-zone)

 indicates sustainability feature

Single-Zone

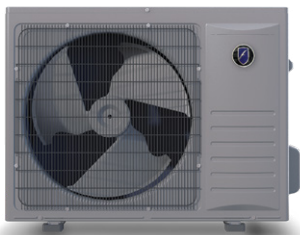


- Built-in low ambient standard, down to 14°F (Cooling mode)
- Low ambient operation down to -4°F (Heating mode)

BREEZE[™] Premier

Single-zone Insider Ductless Heat Pumps also available as part of the Breeze Premier Universal Heat Pump lineup.

Multi-Zone



FPHMR18A3D



FPHMR27A3D, FPHMR36A3D, FPHMR42A3D



- Built-in low ambient standard, down to 14°F (Cooling mode)
- Low ambient operation down to -13°F (Heating mode)
- Low temperature compressor start-up protection



Standard

With Registration



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

Preliminary

MODEL	FAC Model Set	Unit	FPHD093D	FPHD123D	FPHD183D	FPHD243D	FPHD363D
	FAC Indoor Model		FPHFD09A3D	FPHFD12A3D	FPHFD18A3D	FPHFD24A3D	FPHSD36A3D
	FAC Outdoor Model		FPHFR09A3D	FPHFR12A3D	FPHFR18A3D	FPHFR24A3D	FPHFR36A3D
	Power Supply		V/ph/Hz	208V/230V~,60Hz,1P	208V/230V~,60Hz,1P	208V/230V~,60Hz,1P	208V/230V~,60Hz,1P
	ENERGY STAR® Standard	Y/N	Y	Y	Y	Y	Y
	ENERGY STAR – Cold Climate	Y/N	Y	Y	Y	Y	Y
COOLING	Rated Capacity @ 95°F	Btu/h	9,000	12,000	18,000	24,000	36,000
	Cooling Capacity Range (Min.-Max.)	Btu/h	4,300–14,500	4,300–14,500	7,800–24,000	9,000–30,000	12,000–45,000
	EER2 @ 95°F	Btu/h/W	3.43	3.43	12	11.8	3.43
	SEER2	Btu/h/W	19.5	19.5	20.0	19.0	19.5
	Working Temperature Range	°F	5–125	5–125	5–125	5–125	5–125
HEATING	Rated Capacity @ 47°F	Btu/h	9,000	12,000	18,000	24,000	36,000
	Heating Capacity Range (Min.-Max.)	Btu/h	5,300–18,000	5,300–18,000	8,500–24,000	7,380–30,000	11,000–45,000
	COP2 @ 47°F	W/W	3.52	3.52	3.38	3.52	3.64
	COP @ 5°F	W/W	1.8	1.8	2	1.99	2
	HSPF2	Btu/h/W	9.5	9.5	10.0	10.0	9.0
	Rated Capacity Heating @ 17°F (-8.3°C)	Btu/h	8,700	8,700	14,700	20,000	25,500
	Maximum Heating Capacity @ 5°F (-15°C)	Btu/h	12,000	12,000	18,000	24,000	36,000
	Maximum Heating Capacity @ -13°F (-25°C)	Btu/h	5,400	6,100	11,500	12,100	38,500
	Working Temperature Range	°F	-22–75	-22–75	-22–75	-22–75	-22–75
INDOOR AIRFLOW	Air Circulation (H/M/L)	ft³ CFM	550/500/400	550/500/400	TBD	TBD	1,900/1,700/1,500
	Indoor Sound Pressure (H/M/L/Quiet)	dB(A)	52/32/29	52/37/33	39/32/29	44/40/38	60/43/39
INDOOR FAN MOTOR	Output	W	1/20HP	1/20HP	TBD	TBD	7/16HP
	Speed (High/Med/Low)	r/min	1,110/1,000/800	1,110/1,000/800	TBD	TBD	1,260/1,150/1,020
OUTDOOR AIRFLOW	Air Circulation (High) for Outdoor	ft³ CFM	2,300	2,300	TBD	TBD	3,350
	Outdoor Sound pressure	dB(A)	64	64	TBD	TBD	74
OUTDOOR FAN MOTOR	Output	W	40	40	TBD	TBD	250
	Speed (High)	r/min	880	880	TBD	TBD	850
ELECTRICAL	Rated Current	Cooling (A)	3.1	4.5	6.3	8.91	13.4
		Cooling (W)	769	1,025	1,500	2,020	2,820
		Heating (A)	2.86	4.3	6.78	8.74	13.8
		Heating (W)	750	1,000	1,560	2,000	2,900
	MOP (Rating of Overcurrent Protective Device)	A	20	20	TBD	TBD	50
	MCA (Minimum Circuit Ampacity)	A	12	12	TBD	TBD	30
Communication Wire Size and Type		4 × 18AWG	4 × 18AWG	4 × 18AWG	4 × 18AWG	4 × 18AWG	
REFRIGERATION (R454B)	Moisture Removal	pints/hr	TBD	TBD	TBD	TBD	TBD
	Connections		Flare	Flare	Flare	Flare	Flare
	Refrigerant Charge Volume	oz.	38.1	38.1	TBD	TBD	112.8
	Liquid Pipe	in.	1/4	1/4	1/4	3/8	3/8
	Gas Pipe	in.	3/8	3/8	1/2	5/8	5/8
	Max. Pipe Length (Total)	ft.	130	130	TBD	TBD	164
	Max. Elevation (Indoor Units Higher Than Outdoor Unit)	ft.	50	50	TBD	TBD	98
	Pre-charge Pipe Length	ft.	25	25	TBD	TBD	25
Additional Refrigerant Charge per Foot after 25 ft.	oz./ft.	0.16	0.16	TBD	TBD	0.38	
INDOOR UNIT	Dimension (W×H×D)	in. 1/8ths	35-7/8×7-1/2×17-5/8	35-7/8×7-1/2×17-5/8	33-7/8×26-3/8×12-1/4	TBD	55-1/8×11-3/4×31-1/2
		mm	910×190×447	910×190×447	860×670×310	TBD	1,400×300×800
	Packing (L×H×W)	in. 1/8ths	42-1/2×22-1/4×11-1/4	42-1/2×22-1/4×11-1/4	39×28-3/4×17-3/4	TBD	62-1/4×15×36-1/4
		mm	1,080×565×285	1,080×565×285	990×730×450	TBD	1,580×380×920
	Net Weight	lbs.	44.1	44.1	105.8	TBD	112.4
Shipping Weight	kg	20	20	48	TBD	51	
	lbs.	51.8	51.8	114.6	TBD	125.7	
OUTDOOR UNIT	Dimension (W×H×D)	in. 1/8ths	31-7/8×22-7/8×11	31-7/8×22-7/8×11	TBD	TBD	43-1/4×34-1/2×17-3/4
		mm	810×580×280	810×580×280	TBD	TBD	1,100×875×450
	Packing (L×H×W)	in. 1/8ths	37×16-1/2×25-1/4	37×16-1/2×25-1/4	TBD	TBD	45-7/8×39-1/2×21-1/4
		mm	940×420×640	940×420×640	TBD	TBD	1,165×1,005×540
	Net Weight	lbs.	79.4	79.4	TBD	TBD	185.2
		kg	36	36	TBD	TBD	84
Shipping Weight	lbs.	86	86	TBD	TBD	209.4	
	kg	39	39	TBD	TBD	95	



FLOATING AIR® PRO | MULTI-ZONE | THE INSIDER® CONCEALED DUCTED HEAT Pumps

Preliminary

MODEL	FAC Indoor Model	Unit	FPHFD09A3D	FPHFD12A3D	FPHFD18A3D	FPHFD24A3D
	Power Supply	V/ph/Hz	208V/230V~,60Hz,1P			
COOLING	Rated Capacity @ 95°F	Btu/h	9,000	12,000	18,000	24,000
	Cooling Capacity Range (Min.–Max.)	Btu/h	4,300–1,4500	4,300–1,4500	7,800–24,000	9,000–30,000
HEATING	Rated Capacity @ 47°F	Btu/h	9,000	12,000	18,000	24,000
	Heating Capacity Range (Min.–Max.)	Btu/h	5,300–18000	5,300–18,000	8,500–24,000	7,380–30,000
AIRFLOW	Air Circulation (H/M/L)	ft³ CFM	550/500/400	550/500/400	TBD	TBD
	Indoor Sound Pressure (H/M/L)	dB(A)	52/32/29	52/37/33	39/32/29	44/40/38
FAN MOTOR	Output	W	1/20HP	1/20HP	TBD	TBD
	Speed (High/Med/Low)	r/min	1,110/1,000/800	1,110/1,000/800	TBD	TBD
REFRIGERATION	Moisture Removal	pints/hr	2.0	3.0	5.0	1.9
	Connection		Flare	Flare	Flare	Flare
DIMENSIONS & WEIGHTS	Dimension (W×H×D)	in. 1/8ths	35-7/8 × 7-1/2 × 17-5/8	35-7/8 × 7-1/2 × 17-5/8	33-7/8 × 26-3/8 × 12-1/4	TBD
		mm	910×190×447	910×190×447	860×670×310	TBD
	Packing (L×H×W)	in. 1/8ths	42-1/2×22-1/4 × 11-1/4	42-1/2×22-1/4 × 11-1/4	39×28-3/4×17-3/4	TBD
		mm	1,080×565×285	1,080×565×285	990×730×450	TBD
	Net Weight	lbs.	44.1	44.1	105.8	TBD
		kg	20	20	48	TBD
	Shipping Weight	lbs.	51.8	51.8	114.6	TBD
		kg	23.5	23.5	52	TBD

FLOATING AIR® PRO | MULTI-ZONE | OUTDOOR UNITS

For Outdoor Model Specs, see page 20.



Floating Air® PRO AIR HANDLER

BETTER | BEST

Key Features

- ✔ Precision Inverter® technology (variable speed compressor)
- ✔ BLDC motor
- ✔ Soft-Start™ compressor
- 3 fan speeds
- Air handler can be installed in 4 configurations; upflow, downflow, horizontal left and horizontal right.
- Long lineset runs of up to 265' in length
- Aluminum indoor coil
- Compatible with 24V thermostats

✔ indicates sustainability feature



BREEZE Premier

Single-zone Air Handler available as part of the Breeze Premier Universal Heat Pump lineup.

FLOATING AIR® PRO | MULTI-ZONE | DUCTED AIR HANDLERS

Preliminary

MODEL	FAC Indoor Model	Unit	FPHFA18A3D	FPHFA24A3D
	Power Supply	V/ph/Hz	208V/230V~,60Hz,1P	208V/230V~,60Hz,1P
COOLING	Rated Capacity @ 95°F	Btu/h	18,000	24,000
	Cooling Capacity Range (Min.-Max.)	Btu/h	6,500-19,000	8,000-25,000
HEATING	Rated Capacity @ 47°F	Btu/h	18,000	24,000
	Heating Capacity Range (Min.-Max.)	Btu/h	6,500-19,000	8,000-25,000
AIRFLOW	Air Circulation (Max./H/M/L)	ft³ CFM	647/588/482/382	706/647/559/441
	Indoor Sound Pressure (Max./H/M/L/Quiet)	dB(A)	48/45/41/39/36	50/48/43/41/39
FAN MOTOR	Output	W	35	35
	Speed (High/Med/Low)	r/min	1,100/960/800	1,200/1,040/880
REFRIGERATION	Moisture Removal	pints/hr	3.8	4.2
	Connection		Flare	Flare
DIMENSIONS & WEIGHTS	Dimension (W×H×D)	in. 1/8ths	43 5/16×13 1/4×10	43 5/16×13 1/4×10
		mm	1,148×336×256	1,148×336×256
	Packing (L×H×W)	in. 1/8ths	47 13/16×15 3/16×13	47 13/16×15 3/16×13
		mm	1,215×410×330	1,215×410×330
	Net Weight	lbs.	34.2	34.2
		kg	15.5	15.5
	Shipping Weight	lbs.	39.7	39.7
		kg	18	18

FLOATING AIR® PRO | MULTI-ZONE | OUTDOOR UNITS

For Outdoor Model Specs, see page 20.

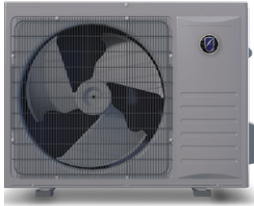
FLOATING AIR® PRO | MULTI-ZONE | OUTDOOR UNITS

Preliminary

OUTDOOR MODEL	FAC Outdoor Model		FPHMR18A3D	FPHMR27A3D	FPHMR36A3D	FPHMR42A3D
	Power Supply	V/ph/Hz	208V/230V~,60Hz,1P			
	ENERGY STAR® Standard	Y/N	Y	Y	Y	Y
	ENERGY STAR – Cold Climate	Y/N	Y	Y	Y	Y
COOLING	Rated Capacity @ 95°F	Btu/h	18,000	27,000	36,000	42,000
	Cooling Capacity Range (Min.–Max.)	Btu/h	18,000	27,000	36,000	42,000
	Power Input	W	1,313	2,100	2,750	3,400
	Current	A	5.83	9.3	12.5	15.3
	EER2 @ 95°F	Btu/h/W	13.7	12.85	13.2	12.5
	SEER2	Btu/h/W	22	23	22	22
	Working Temperature Range	°F	5–125	5–125	5–125	5–125
HEATING	Rated Capacity @ 47°F	Btu/h	18,000	27,000	36,000	48,000
	Heating Capacity Range (Min.–Max.)	Btu/h	14,500–30,000	20,100–44,000	9,000–54,000	9,000–58,000
	COP2 @ 47°F	W/W	3.9	3.6	3.9	3.5
	COP @ 5°F	W/W	1.8	1.8	TBD	TBD
	HSPF2	Btu/h/W	10.0	10.0	10.0	9.5
	Rated Capacity Heating @ 17°F (-8.3°C)	Btu/h	18,000	27,000	36,000	36,000
	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	TBD	TBD
	Working Temperature Range	°F	-13–75	-13–75	-13–75	-13–75
AIRFLOW	Air Circulation (High) for Outdoor	ft³ CFM	1,850	3,356.90	3,356.90	3,356.90
	Outdoor Sound pressure	dB(A)	55	62	61	63
FAN MOTOR	Output	W	TBD	TBD	TBD	TBD
	Speed (High)	r/min	880	150–850	150–850	150–850
ELECTRICAL	Rated Current	Cooling (A)	5.83	9.3	12.5	15.3
		Cooling (W)	1,313	2,100	2,750	3,400
		Heating (A)	6.05	10	12.5	18
		Heating (W)	1,364	2,200	2,700	TBD
	MOP (Rating of Overcurrent Protective Device)	A	30	40	TBD	TBD
	MCA (Minimum Circuit Ampacity)	A	21	25	24	28
	Communication Wire Size and Type		6 x 16AWG	6 x 16AWG	4 x 14AWG	4 x 14AWG
REFRIGERATION (R454B)	Moisture Removal	pints/hr	4.4	5.6	TBD	TBD
	Refrigerant Charge Volume	oz.	51.15	76.19	105.82	105.82
	Liquid Pipe	in.	1/4	1/4	1/4	1/4
	Gas Pipe	in.	3/8	3/8	3/8	3/8
	Max. Pipe Length (Total)	ft.	164	230	230	262
	Max. Elevation (Indoor Units Higher Than Outdoor Unit)	ft.	49	49	49	49
	Pre-charge Pipe Length	ft.	49	75	98	123
	Additional Refrigerant Charge per Foot after 25 ft.	oz./ft.	0.16	0.81	0.81	0.81
DIMENSIONS & WEIGHTS	Dimension (W×H×D)	in. 1/8ths	33-7/8×26-3/8×12-1/4	38-3/8×32-7/8×14-1/8	38-3/8×32-7/8×14-1/8	38-3/8×32-7/8×14-1/8
		mm	860×670×310	975×835×359	975×835×359	975×835×359
	Packing (L×H×W)	in. 1/8ths	39×28-3/4×17-3/4	43-3/4×37-3/4×18-1/8	43-3/4×37-3/4×18-1/8	43-3/4×37-3/4×18-1/8
		mm	990×730×450	1,111×959×460	1,111×959×460	1,111×959×460
	Net Weight	lbs.	46	72.9	77	78
		kg	101.4	160.6	169.8	172
	Shipping Weight	lbs.	51	83.1	87	88
		kg	112.4	183.2	191.8	194

FLOATING AIR® PRO | MULTI-ZONE CONFIGURATIONS

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



FPHMR18A3D
24,000 Btu
MAX. CONNECTED CAPACITY

2 ZONES

MINIMUM combination must be 50% of nameplate capacity

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



FPHMR27A3D
36,000 Btu
MAX. CONNECTED CAPACITY

2 ZONES

MINIMUM combination must be 50% of nameplate capacity

3 ZONES

Select any combination of (3) indoor units.

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



FPHMR36A3D
48,000 Btu
MAX. CONNECTED CAPACITY

2 ZONES

Select two (2) 18,000 Btu indoor units

3 ZONES

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

4 ZONES

Select any combination of (4) indoor units.

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



FPHMR42A3D
54,000 Btu
MAX. CONNECTED CAPACITY

3 ZONES

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

4 ZONES

Select any combination of (4) indoor units.

5 ZONES

Select any combination of (5) indoor units.

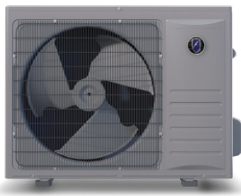
Combinations **SHOULD NOT:** Exceed the maximum allowable total indoor unit connected capacity of 54,000 Btu.

MULTI-ZONE CONFIGURATION, AHRI RATINGS

AHRI Ratings Chart Coming Soon

FLOATING AIR® PRO | MULTI-ZONE ALLOWABLE CONFIGURATIONS

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



2 ZONES ONLY

18,000 BTU

24,000 Btu max. connected capacity



2 OR 3 ZONES

24,000 BTU

36,000 Btu max. connected capacity



2, 3 OR 4 ZONES

36,000 BTU

48,000 Btu max. connected capacity

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


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

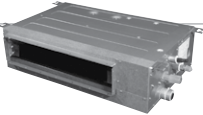
FPHMR36A3D				
ZONE 1	ZONE 2	ZONE 3	ZONE 4	TOTAL
18	18	-	-	36
7	7	7	-	21
7	7	9	-	23
7	7	12	-	26
7	7	18	-	32
7	7	24	-	38
7	9	9	-	25
7	9	12	-	28
7	9	18	-	34
7	9	24	-	40
7	12	12	-	31
7	12	18	-	37
7	12	24	-	43
7	18	24	-	49
9	9	9	-	27
9	9	12	-	30
9	9	18	-	36
9	9	24	-	42
9	12	12	-	33
9	12	18	-	39
9	12	24	-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


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

INDOOR UNITS

 Wall-mounted	MODEL	BTU
	FPHMW07A3B	7,000
FPHFW09A3B	9,000	
FPHFW12A3B	12,000	
FPHFW18A3B	18,000	
FPHFW24A3B	24,000	

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

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

 24V Air Handler	MODEL	BTU
	FPHFA18A3D	18,000
FPHFA24A3D	24,000	

FLOATING AIR® PRO | MULTI-ZONE ALLOWABLE CONFIGURATIONS



3, 4 OR 5 ZONES

42,000 BTU

54,000 Btu max. connected capacity

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

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

REFRIGERATION LINE SETS (REQUIRED) OUTSIDE DIMENSIONS

FLOATING AIR® PRO WALL-MOUNTED				
System Model	Liquid	Suction	Lineset Kit	Lineset Kit
FPHW091C	1/4	3/8	T32150 - 15'	T32350 - 35'
FPHW121C	1/4	3/8	T32150 - 15'	T32350 - 35'
FPHW093D	1/4	3/8	T32150 - 15'	T32350 - 35'
FPHW123D	1/4	3/8	T32150 - 15'	T32350 - 35'
FPHW183D	1/4	1/2	T42150 - 15'	T42250 - 25'
FPHW243D	3/8	5/8	T53250 - 25'	T53350 - 35'
FLOATING AIR® PRO MULTI-ZONE OUTDOOR				
FPHMR18A3D	1/4	3/8	T32150 - 15'	T32350 - 35'
FPHMR27A3D	1/4	3/8	T32150 - 15'	T32350 - 35'
FPHMR36A3D	1/4	3/8	T32150 - 15'	T32350 - 35'
FPHMR42A3D	1/4	3/8	T32150 - 15'	T32350 - 35'
FLOATING AIR® SELECT WALL-MOUNTED				
FSHW091C	1/4	3/8	T32150 - 15'	T32350 - 35'
FSHW121C	1/4	3/8	T32150 - 15'	T32350 - 35'
FSHW183D	1/4	1/2	T42150 - 15'	T42350 - 35'
FSHW243D	3/8	5/8	T53250 - 25'	T53350 - 35'
FSHW363D	3/8	5/8	T53250 - 25'	T53350 - 35'
FLOATING AIR® PRO CASSETTE SINGLE-ZONE				
FPHC093D	1/4	3/8	T32150 - 15'	T32350 - 35'
FPHC123D	1/4	3/8	T32150 - 15'	T32350 - 35'
FPHC183D	1/4	1/2	T42150 - 15'	T42250 - 25'
FPHC243D	3/8	5/8	T53250 - 25'	T53350 - 35'
FPHC363D	3/8	3/4	T63500 - 50'	T63500 - 50'
FLOATING AIR® PRO THE INSIDER® SINGLE-ZONE CONCEALED DUCTED				
FPHD093D	1/4	3/8	T32150 - 15'	T32350 - 35'
FPHD123D	1/4	3/8	T32150 - 15'	T32350 - 35'
FPHD183D	1/4	1/2	T42150 - 15'	T42250 - 25'
FPHD243D	3/8	5/8	T53250 - 25'	T53350 - 35'
FPHD363D	3/8	3/4	T63500 - 50'	T63500 - 50'

REFRIGERATION LINE SETS MIN./MAX. LENGTHS

FLOATING AIR® PRO WALL-MOUNTED		
System Model	Min. (ft.)	Max. Each/ Total (ft.)
FPHW091A	10	66
FPHW121A	10	66
FPHW093A	10	66
FPHW123A	10	66
FPHW183A	10	98
FPHW243A	10	98
FLOATING AIR® PRO CEILING CASSETTE		
FPHC093A	25	82
FPHC123A	25	82
FPHC183A	25	82
FPHC243A	25	164
FPHC363A	25	164
FLOATING AIR® PRO THE INSIDER® CONCEALED DUCTED		
FPHD093	25	82
FPHD123	25	82
FPHD183	25	82
FPHD243	25	164
FPHD363	25	164
FLOATING AIR® PRO OUTDOOR		
FPHMR18A3A	25	82/164
FPHMR24A3A	25	66/230
FPHMR36A3A	25	66/230
FPHMR42A3A	25	66/262
FLOATING AIR® SELECT		
FSHW091B	10	66
FSHW121B	10	66
FSHW183B	10	98
FSHW243B	10	98
FSHW363B	15	98

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



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Many Friedrich Floating Air® Pro models have earned our Sustainability Standout® seal, indicating that they are among the best of the best. We created the seal to help you more easily find the products that save energy, save money and save the planet.

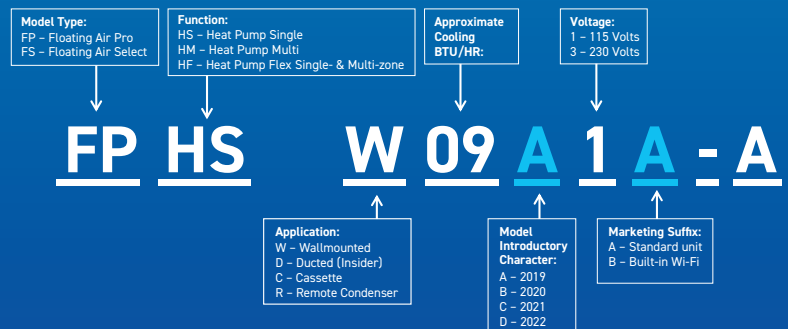
Due to continuing research in new energy-saving technology, specifications are subject to change without notice. Your energy costs will depend on your utility rates and use. The estimated energy cost is based on a electricity cost of \$.13 per kWh. For more information, visit www.ftc.gov/energy.

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