

Friedrich Floating Air® Series Ductless Split Systems

FreshAir® IAQ READY



FRIEDRICH

FastPro® DESIGN



FASTER
TO INSTALL

FASTER
TO CLEAN

FASTER
TO SERVICE

 **FRIEDRICH**

THE EXPERTS IN ROOM AIR CONDITIONING



FLEXIBLE, EASY-TO-INSTALL ZONED COMFORT SOLUTIONS FROM THE LEADER IN ROOM AIR CONDITIONING

Whether you're heating and cooling a single room or multiple rooms, you won't find quieter, more energy-efficient solutions than Friedrich ductless split systems. Choose from sleek wall-mounted models, ceiling cassettes that mount flush with the ceiling, and ducted units that install out of sight.

RESIDENTIAL APPLICATIONS



LIGHT COMMERCIAL APPLICATIONS



SMART HOME READY*

*Built-in Wi-Fi available on Floating Air® Premier and Pro wall-mounted models, and on Pro ceiling cassette models



Scan to WATCH VIDEO on
CONNECT TO
FRIEDRICHGO™

ALL OF THE ADVANTAGES OF DUCTLESS SPLIT SYSTEMS AND FRIEDRICH DEPENDABILITY

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 air ducts*

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



Zone cooling flexibility

Independently condition up to five separate zones using only a single outdoor unit. Cool or heat only the zones that are in use. Set individual comfort levels for each zone.



FreshAir® IAQ ready

Easy-to-install FreshAir® IAQ accessories improve the health and quality of indoor air. **UVL1** light kit removes bacteria, viruses, mold and fungus from circulated air. **APWM1** air purification kills mold, bacteria and viruses, and effectively removes odors and VOCs.

Available built-in Wi-Fi

Control units with the FriedrichGo™ app. Easy to set up and use. Compatible with Amazon Alexa and Google Home.

Available on Floating Air® Premier and Pro wall-mounted models, and on Pro ceiling cassette models.



Friedrich Precision Inverter® delivers exceptional energy efficiency and smooth performance

Precision Inverter technology varies the compressor, the outdoor and the indoor fan speeds, eliminating constant compressor start-ups/shut-downs that traditional systems require to maintain the set temperature.

Each system can adjust capacity and cooling output to provide only the amount of cooling needed at a given time. The result is optimal comfort with low energy costs.

THE ADVANTAGES OF INVERTER DUCTLESS SPLIT SYSTEMS	
TRADITIONAL SYSTEM	INVERTER SYSTEM
At initial start up, a fixed capacity system slowly reaches the set temperature.	At initial start up, utilizes variable capacity to quickly reach the set temperature.
Complete shutdown once set temperature is achieved.	Reduces capacity as set temperature is achieved.
Temperature within the space rises until 2nd system start up.	Variable capacity maintains set temperature keeping space comfortable with reduced energy consumption.
System works at full capacity to again reach set temperature.	
System cycles on and off continually to maintain the set temperature.	

Soft start technology

Friedrich soft start technology starts the compressor with significantly reduced amperage at start up, saving energy versus compressors utilizing locked rotor amperage (LRA).

THE EASIEST DUCTLESS TO INSTALL, CLEAN & SERVICE

FLOATING AIR[®] PREMIER AND PRO SERIES

The Problem

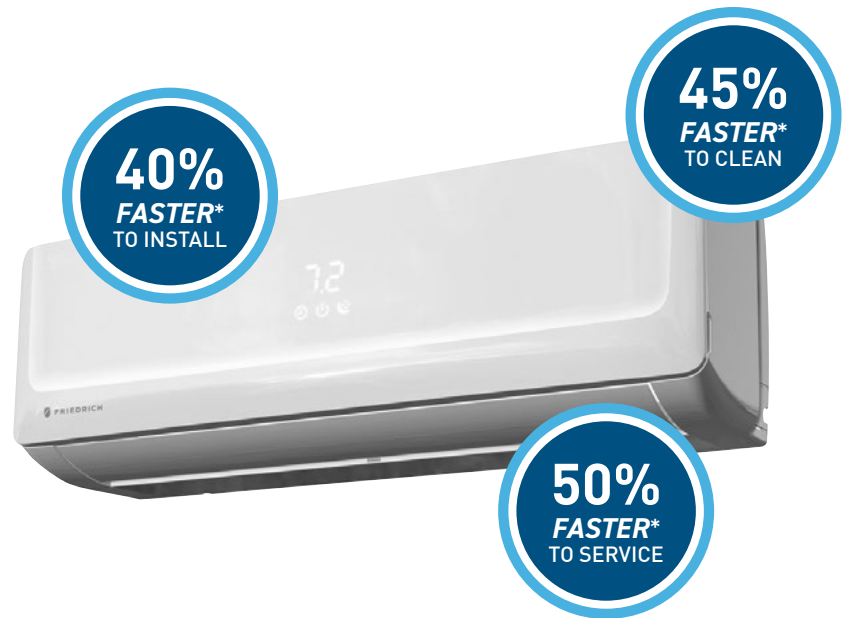
On typical ductless indoor units, accessing the indoor coils is extremely difficult and takes so much time that a thorough cleaning may be next to impossible.

Access to piping, wire terminal blocks, the fan and fan components is also a challenge.

The Solution:

Friedrich **FastPro**[®] was designed with the HVAC technician in mind. In a few easy steps that can be performed in minutes, the entire blower wheel assembly can be removed for easier, faster cleaning and service.

Also, you'll have easy access to the terminal blocks. FastPro will save you hours on the job site.



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

IN A FEW EASY STEPS

You can access the blower wheel assembly and slide it out for full access to the indoor coil



Back out electrical panel screws



Remove electrical access panels (2)



Lock the access panel



Unplug the wire harness



Remove screws then slide out the blower wheel assembly



Complete access to the coils for easy cleaning

FASTER INSTALLATION, EASIER SERVICE AND OPTIMAL PERFORMANCE

- Alignment arrows on the Friedrich wall bracket help you mark and drill the hole in the wall accurately, and with total confidence
- Easy-to-remove modular drain pan assembly
- Quick access to tangential blower and motor makes repairs easier
- Clear access to piping
- Built-in Wi-Fi on **Premier** and **Pro** wall-mounted and cassette models
- Easy access to the wire terminal blocks
- Included kickstand tilts unit away from the wall providing ample space for your hands to work
- Onboard error codes help to ensure trouble-free operation
- **Diamonblue Advanced Corrosion Protection**[®]
- Auto clean
- Washable, antimicrobial air filters






THE CONTRACTOR'S CHOICE FOR DUCTLESS

Friedrich has three exceptional lines of ductless with unique features for easy installation. For contractors, this means less time on the job, and the opportunity to provide your customer with maintenance agreements on equipment that is cleaning and service friendly.

Home or away, you're in control with the **FriedrichGo™** app.

Integrated Wi-Fi control from your smartphone. Also compatible with Amazon Alexa and Google Home. Power your unit on and off, change temperature, system mode, and adjust fan speeds no matter where you are.



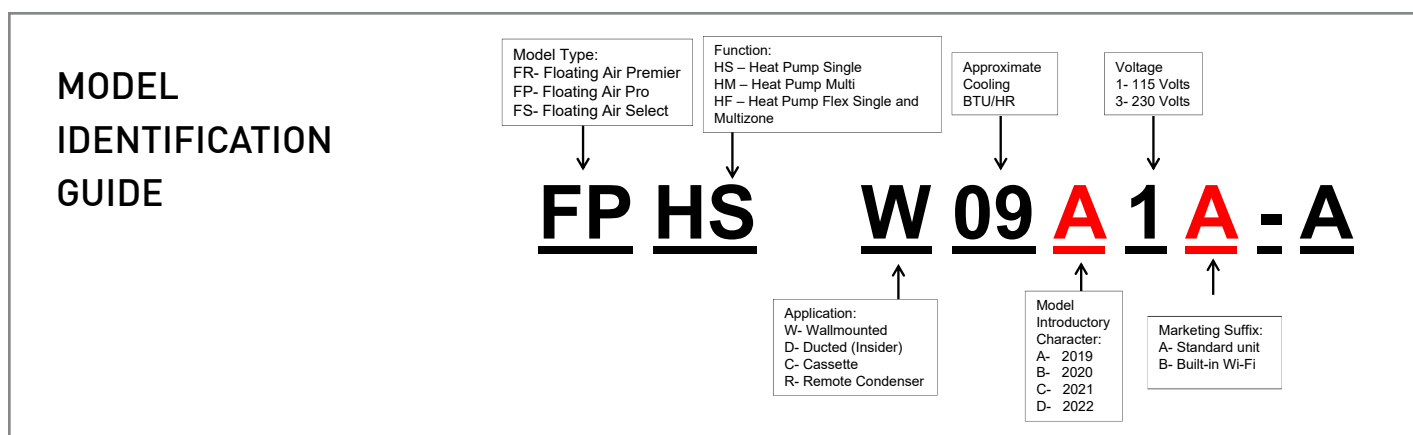
<p>FLOATING AIR® PREMIER</p> <p>SINGLE ZONE</p> <p>Wall-mounted</p>	<ul style="list-style-type: none"> • Highest efficiencies • FastPro® design for fast installation, cleaning and service • Control with the FriedrichGo™ app • FreshAire® IAQ ready • Extended operating ranges, heating and cooling 	 <p>FastPro® DESIGN</p>
<p>FLOATING AIR® PRO</p> <p>SINGLE ZONE AND MULTI ZONE</p> <p>Wall-mounted</p> <p>Ceiling Cassettes</p> <p>The Insider® Concealed Ducted Units</p>	<ul style="list-style-type: none"> • Excellent efficiencies • FastPro® design for fast installation, cleaning and service • Control with the FriedrichGo™ app • FreshAire® IAQ ready • Extended operating ranges, heating and cooling • 115V wall-mounted heat pumps 	 <p>FastPro® DESIGN</p>
<p>FLOATING AIR® SELECT</p> <p>SINGLE ZONE</p> <p>Wall-mounted</p>	<ul style="list-style-type: none"> • 18.0 SEER • Moderate pricing • Exceptional value • FreshAire® IAQ ready • 115V wall-mounted heat pumps 	

FEATURE COMPARISON

A feature-by-feature comparison to help you select the best ductless system for your application.

SYSTEM TYPE	WALL-MOUNTED				CASSETTE		CONCEALED DUCTED	
	SINGLE ZONE			MULTI ZONE	SINGLE ZONE	MULTI ZONE	SINGLE ZONE	MULTI ZONE
Zones								
Floating Air® Series	Premier	Pro	Select	Pro	Pro	Pro	Pro The Insider®	Pro The Insider®
Installation	Wall	Wall	Wall	Wall	Ceiling	Ceiling	Concealed	Concealed
FastPro® Design	✓	✓ ❶	–	✓	–	–	–	–
Heat pump	✓	✓	✓	✓	✓	✓	✓	✓
115 volt models	–	✓	✓	–	–	–	–	–
SEER	Up to 28.0	Up to 23.3	Up to 18.0	Up to 22.0	Up to 19.0	Up to 22.0	Up to 17.6	Up to 21.0
Low ambient cooling operation	0° F	5° F	0° F	5° F	5° F	14° F	5° F	-4° F
Low ambient heating operation	-13° F	-4° F ❷	-4° F ❷	-13° F ❸	-4° F	-13° F ❸	-4° F	-13° F ❸
Inverter driven compressor	✓	✓	✓	✓	✓	✓	✓	✓
Built-in Wi-Fi models, FriedrichGo™ app	✓	✓	–	✓	✓	✓	–	–
Google Home/Amazon Alexa compatible	✓	✓	–	✓	✓	✓	–	–
FreshAire® IAQ ready	✓	✓	✓	✓	–	–	–	–
Auto changeover	✓	✓	✓	–	✓	–	✓	–
24- Hr. Programmable timer	✓	✓	✓	✓	✓	✓	✓	✓
Remote control	✓	✓	✓	✓	✓	✓	–	–
Wall controller option	✓	✓	✓	✓	✓	✓	Included	Included
7-Day Programmability	–	–	–	–	–	–	✓	✓
(with wall control)	✓	✓*	✓	✓	✓	✓	✓	✓
Auto restart	✓	✓	✓	✓	✓	✓	✓	✓
Surge cool/heat	✓	✓	✓	✓	✓	✓	✓	✓
Dry mode	✓	✓	✓	✓	✓	✓	✓	✓
Auto Clean	✓	✓	✓	✓	✓	✓	✓	✓
Advanced Corrosion Protection	✓	✓	✓	✓	✓	✓	✓	✓
4-way auto swing	✓	✓	2-way ❹	✓	✓	✓	–	–
Washable, antimicrobial air filters	✓	✓	✓	✓	✓	✓	✓	✓

❶ Feature not available on FPHSW36A3C. ❷ (9K/12K/18K -4°F) (18K/24K -13°F) ❸ 42K operates as low as 4°F ❹ 2-way auto (up/down)



PREMIER SERIES

SINGLE ZONE | WALL-MOUNTED HEAT PUMPS

Top cooling and heating performance in extreme climates.
28.0 SEER - our highest efficiency ductless.

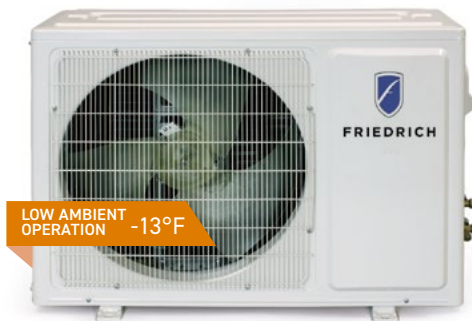


FastPro® DESIGN



Built-in Wi-Fi for control anytime, anywhere

- ✔ Easy to use **FriedrichGo**™ app
- ✔ Create customizable, 7-day schedules
- ✔ Control with smartphone
- ✔ Compatible with Amazon Alexa and Google Home



WIRELESS REMOTE WITH THE ABILITY TO CHANGE TO A COOL-ONLY REMOTE

Features for comfort and convenience

- ✔ **Precision Inverter**® technology (variable speed compressor)
- **Fast Pro**® design for the fastest access for maintenance of any wall-mounted ductless system
- ✔ Soft start compressor
- ✔ BLDC motor
- Our highest efficiencies for the lowest operating cost
- **DiamonBlue Advanced Corrosion Protection**®
- Auto Clean indoor coil
- Cooling/Heating/Fan/Auto mode
- Surge Cool/Heat
- Natural air flow
- Ultra quiet operation
- ✔ Sleep mode
- Auto restart
- Auto changeover
- ✔ 24-hour on/off timer
- ✔ ENERGY STAR® qualified model
- Hidden display (only visible during operation)

Operates in extreme conditions

- Low ambient operation down to 0°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®



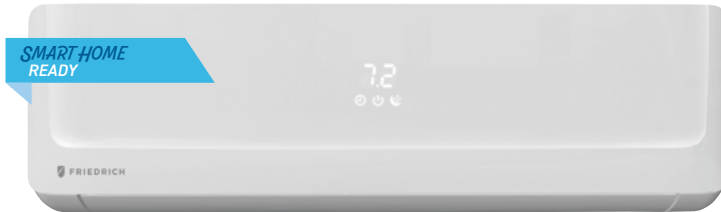
PRO SERIES

SINGLE ZONE | WALL-MOUNTED HEAT PUMPS



The contractor's line with features that make installation and service faster and easier. Two 115v models available in 9,000 and 12,000 BTU capacity.

FastPro[®] DESIGN



Built-in Wi-Fi for control anytime, anywhere

- ✓ Easy to use **FriedrichGo™** app
- ✓ Create customizable, 7-day schedules
- ✓ Control with smartphone
- ✓ Compatible with Amazon Alexa and Google Home



WIRELESS REMOTE WITH THE ABILITY TO CHANGE TO A COOL-ONLY REMOTE

Features for comfort and convenience

- ✓ **Precision Inverter[®]** technology (variable speed compressor)
- **Fast Pro[®]** design for the fastest access for maintenance of any wall-mounted ductless system
- ✓ Soft start compressor
- ✓ BLDC motor
- Auto Clean indoor coil
- Cooling/Heating/Fan/Auto mode
- LCD remote
- Surge Cool/Heat
- Tangential fan for optimum air flow
- **DiamonBlue Advanced Corrosion Protection[®]**
- Ultra quiet operation
- ✓ Sleep mode
- Auto restart
- Auto changeover
- ✓ 24-hour on/off timer
- ✓ ENERGY STAR[®] qualified models
- Easy-to-read temperature display

Operates in extreme conditions

- Low ambient operation down to 5°F (Cooling mode)
- Low ambient operation down to -4°F (Heating mode)
- Low temperature compressor start-up protection



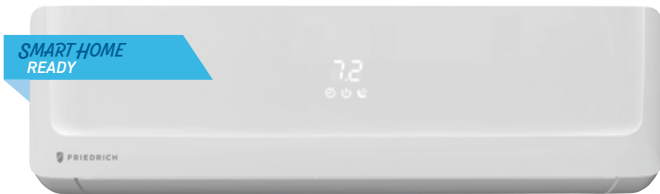
PRO SERIES

SINGLE ZONE | WALL-MOUNTED HEAT PUMPS



The contractor's line with features that make installation and service faster and easier. Exceptional efficiency and dependable performance.

FastPro® DESIGN



FPHFW18A3A, FPHFW24A3A, FPHFW18A3B, FPHFW24A3B



FPHSW36A3C (Not available with FastPro® design feature)

Built-in Wi-Fi for control anytime, anywhere

- ✔ Easy to use **FriedrichGo™** app
- ✔ Create customizable, 7-day schedules
- ✔ Control with smartphone
- ✔ Compatible with Amazon Alexa and Google Home



WIRELESS REMOTE WITH THE ABILITY TO CHANGE TO A COOL-ONLY REMOTE

Features for comfort and convenience

- ✔ **Precision Inverter®** technology (variable speed compressor)
- **Fast Pro®** design for the fastest access for maintenance of any wall-mounted ductless. Feature not on model FPHSW36A3C
- ✔ Soft start compressor
- ✔ BLDC motor
- Auto Clean indoor coil
- Cooling/Heating/Fan/Auto mode
- LCD remote
- Surge Cool/Heat
- Tangential fan for optimum air flow
- Ultra quiet operation
- ✔ Sleep mode
- Auto restart
- Auto changeover
- ✔ 24-hour on/off timer
- ✔ ENERGY STAR® qualified model
- Easy-to-read temperature display

Operates in extreme conditions

- Low ambient operation down to 5°F (Cooling mode)
- Low ambient operation down to -4°F (Heating mode)
- Low temperature compressor start-up protection



PRO SERIES

SINGLE ZONE | CEILING CASSETTE HEAT PUMPS



Compact cassette units install in a drop ceiling and mount flush to the ceiling for a clean look and efficient installation.



Features for comfort and convenience

- 24-hour on/off timer
- **Precision Inverter**® technology (variable speed compressor)
- Soft start compressor
- Natural air flow
- 4-way cooling
- Surge Cool/Heat
- Cooling/Heating/Fan mode
- Dry mode
- Sleep mode
- Independent vane control
- 3 fan speeds
- Ultra-quiet turbo fan
- Evaporator frost control
- Auto restart
- Auto changeover
- Clean, modern look
- Flexible installation
- ENERGY STAR® qualified models
- Precise air distribution

Built-in Wi-Fi for control anytime, anywhere

- Easy to use **FriedrichGo**™ app
- Create customizable, 7-day schedules
- Control with smartphone
- Compatible with Amazon Alexa and Google Home



WIRELESS REMOTE

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



Operates in extreme conditions

- Built-in low ambient, down to 5°F on 9k/12k/18k models, down to -4°F on 24k/36k models (Cooling mode)
- Low ambient operation down to -4°F (Heating mode)



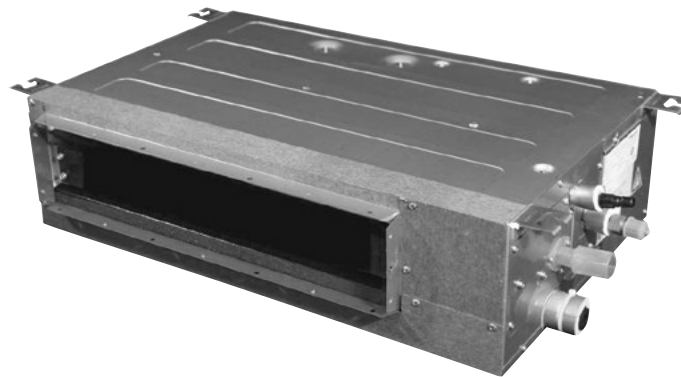
PRO SERIES

SINGLE ZONE | THE INSIDER® CONCEALED DUCTED HEAT PUMPS

Indoor unit is installed in the ceiling or furr down, totally concealed, for unobtrusive installation.

Features

- **Precision Inverter®** technology (variable speed compressor)
 - Soft start compressor
 - BLDC motor
 - Cooling/Heating/Fan mode
 - Dry mode
 - 3 fan speeds
 - Auto restart
 - Auto changeover
- **DiamonGold Advanced Corrosion Protection®**
 - Control lock function on controller
 - External Static Pressure Range 0-.40



Operates in extreme conditions

- Built-in low ambient, down to 5°F on 9k/12k/18k models, down to -4°F on 24k/36k models (Cooling mode)
- Low ambient operation down to -4°F (Heating mode)



WIRED WALL CONTROLLER



PRO SERIES

MULTI ZONE | HEAT PUMPS

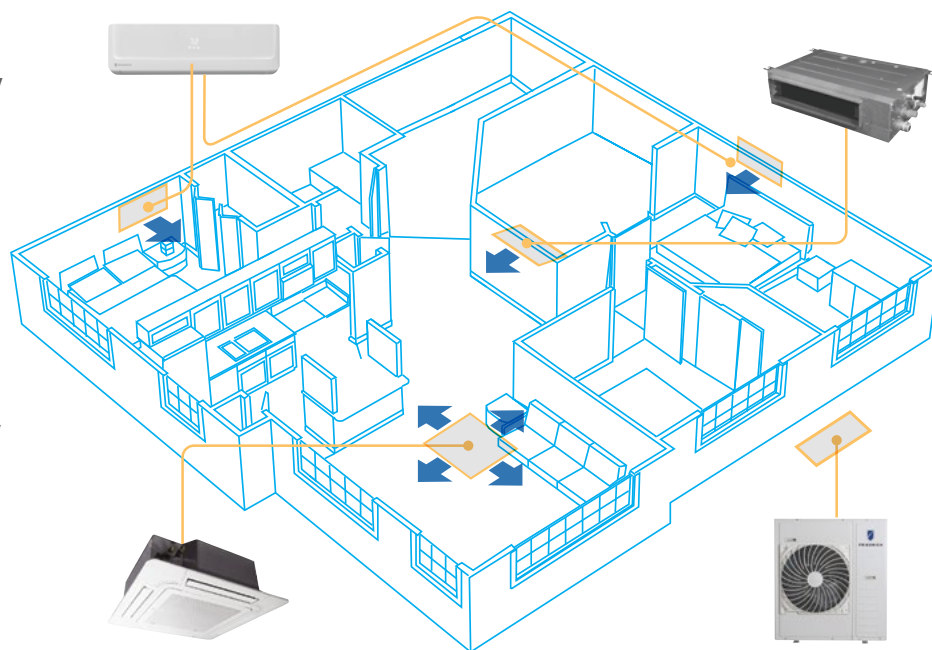
Friedrich multi zone systems utilize wall-mounted, ceiling cassette and concealed ducted models in up to 5 zones

MULTI ZONE SYSTEMS PROVIDE TOTAL INSTALLATION FLEXIBILITY.

Zone cooling and heating provides unmatched customized comfort and energy savings.

Occupants have the ability to set the temperature of each zone to their preferred comfort level*, or turn off units in unoccupied rooms without affecting other zones.

That's the beauty and efficiency of a Friedrich Ductless Multi Zone System.



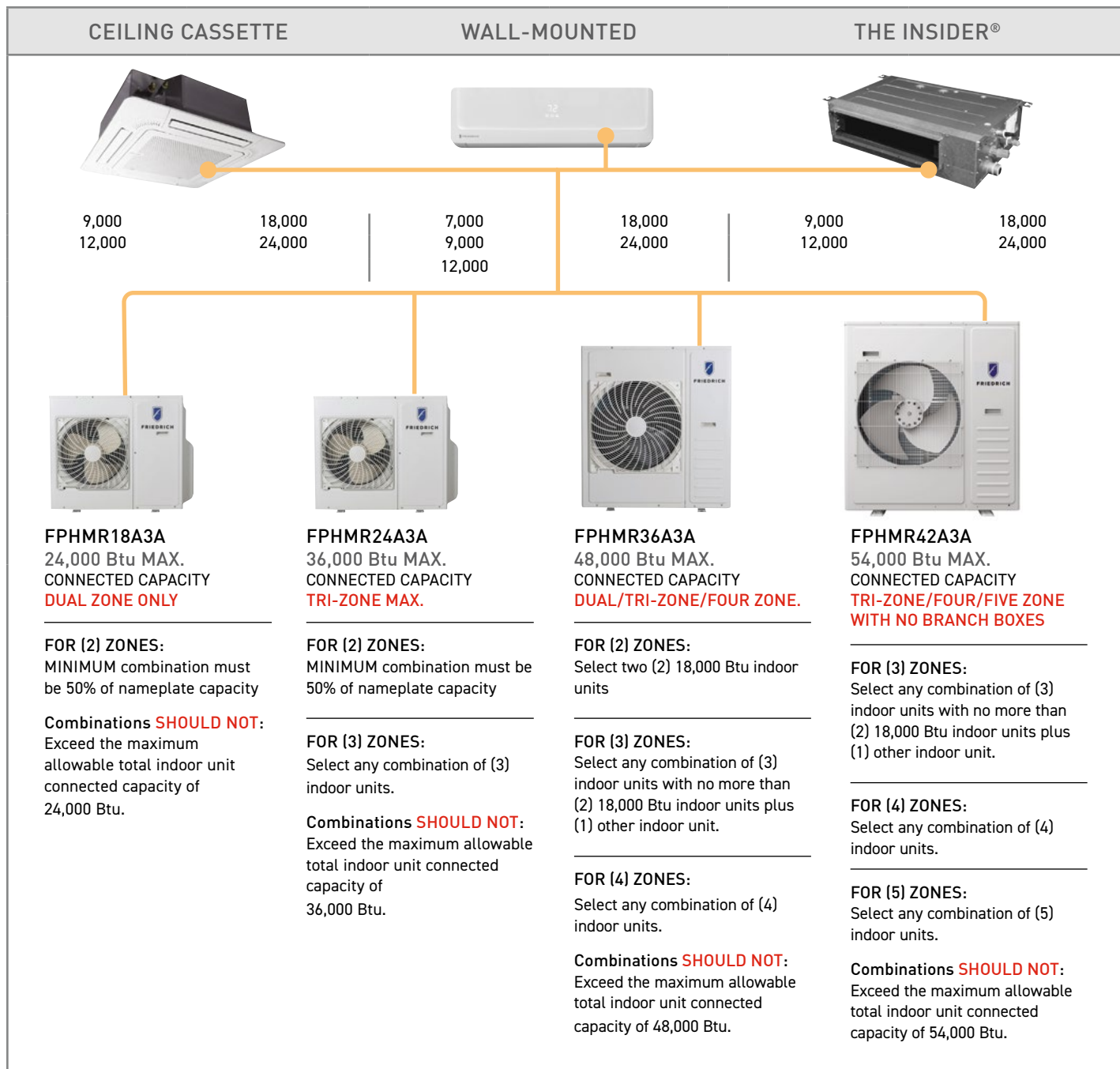
*Multi zone units cannot heat and cool simultaneously

MULTI ZONE CONFIGURATION, AHRI RATINGS

Friedrich Model	AHRI Reference Number	Indoor Type	System Capacity	EER	SEER	High Heat 47 °F	Low Heat 17°F
FPHMR18A3A	205150429	Non-ducted Indoor Units	18000	12.50	22.00	18000	12200
	205150428	Ducted Indoor Units	18000	11.50	19.00	18000	12200
	205150430	Mixed Ducted and Non-ducted Indoor Units	18000	12.00	20.50	18000	12200
FPHMR24A3A	204101246	Non-ducted Indoor Units	24000	12.50	22.00	24000	15400
	204005731	Ducted Indoor Units	24000	12.10	21.00	24000	15400
	203999079	Mixed Ducted and Non-ducted Indoor Units	24000	12.30	21.50	24000	15400
FPHMR36A3A	204101247	Non-ducted Indoor Units	32000	12.50	21.00	36000	23200
	203996910	Ducted Indoor Units	32000	12.00	19.50	36000	22600
	203999080	Mixed Ducted and Non-ducted Indoor Units	32000	12.25	20.25	36000	22600
FPHMR42A3A	205141512	Non-ducted Indoor Units	42000	10.50	20.00	42000	24000
	205141511	Ducted Indoor Units	41000	10.00	18.00	42000	24000
	205141513	Mixed Ducted and Non-ducted Indoor Units	41500	10.25	19.00	42000	24000

MULTI ZONE CONFIGURATIONS

Select a combination of indoor units that does not exceed the maximum connected capacity, and is within the recommended parameters:



WORKSHEET EXAMPLE

MAX.CONDENSER CAPACITY	50% OF NAMEPLATE CAPACITY	ZONE 1 Unit Btu	ZONE 2 Unit Btu	ZONE 3 Unit Btu	ZONE 4 Unit Btu	ZONE 5 Unit Btu
24,000	12,000			DUAL ZONE ONLY		
36,000	18,000			TRI-ZONE MAX.		
48,000	24,000			4-ZONE MAX		
54,000	27,000					

MULTI ZONE ALLOWABLE CONFIGURATIONS



2 ZONES ONLY



2 OR 3 ZONES



2, 3 OR 4 ZONES

FPHMR18A3A		
ZONE 1	ZONE 2	TOTAL
7	7	14
7	9	16
7	12	19
9	9	18
9	12	21
12	12	24

FPHMR24A3A			
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

FPHMR36A3A				
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
12	18	24		54
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	9	12	24	54
9	12	12	12	45
9	12	12	18	51
12	12	12	12	48
12	12	12	18	54

OUTDOOR UNITS

18000 BTU

24000 BTU Max. connected capacity

24000 BTU

36000 BTU Max. connected capacity

36000 BTU

48000 BTU Max. connected capacity

42000 BTU

54000 BTU Max. connected capacity

Select the outdoor unit that is applicable to the number of indoor spaces you want to condition. 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.

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

INDOOR UNITS



Wall-mounted



Ceiling cassette



Concealed ducted

MODEL	BTU
FPHMW07A3B	7000
FPHFW09A3B	9000
FPHFW12A3B	12000
FPHFW18A3B	18000
FPHFW24A3B	24000

MODEL	BTU
FPHFC09A3B	9000
FPHFC12A3B	12000
FPHFC18A3B	18000
FPHFC24A3B	24000

MODEL	BTU
FPHFD09A3A	9000
FPHFD12A3A	12000
FPHFD18A3A	18000
FPHFD24A3A	24000

MULTI ZONE ALLOWABLE CONFIGURATIONS

FPHMR42A3A					
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
7	12	18	24		61
9	9	9	9		36
9	9	9	12		39
9	9	9	18		45
9	9	9	24		51
9	9	12	12		42
9	9	12	18		48
9	9	12	24		54
9	9	18	24		60
9	12	12	12		45
9	12	12	18		51
9	12	12	24		57
9	12	18	24		63
12	12	12	12		48
12	12	12	18		54

FPHMR42A3A					
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	12	12	51
9	9	12	12	12	54



3, 4 OR 5
ZONES

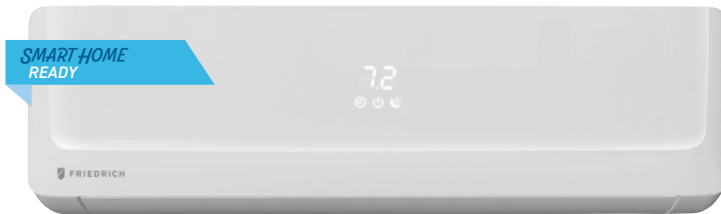
PRO SERIES

MULTI ZONE | WALL-MOUNTED HEAT PUMPS

The contractor's line with features that make installation and service faster and easier. Exceptional efficiency and dependable performance.



FastPro® DESIGN



Built-in Wi-Fi for control anytime, anywhere

- ✔ Easy to use **FriedrichGo™** app
- ✔ Create customizable, 7-day schedules
- ✔ Control with smartphone
- ✔ Compatible with Amazon Alexa and Google Home



WIRELESS REMOTE WITH THE ABILITY TO CHANGE TO A COOL-ONLY REMOTE

Features for comfort and convenience

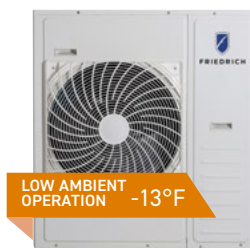
- ✔ **Precision Inverter®** technology (variable speed compressor)
- Fast Pro® design for the fastest access for maintenance of any wall-mounted ductless system
- ✔ Soft start compressor
- ✔ BLDC motor
- Auto Clean indoor coil
- Cooling/Heating/Fan/Auto mode
- Surge Cool/Heat
- Natural air flow
- Ultra quiet operation
- ✔ Sleep mode
- Auto restart
- Auto changeover
- ✔ 24-hour on/off timer
- ✔ ENERGY STAR® qualified model
- Hidden display (only visible during operation)

Operates in extreme conditions

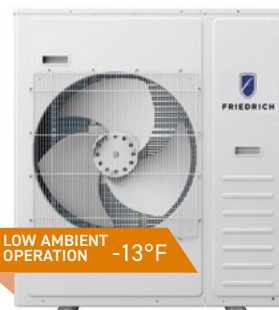
- Low ambient operation down to 14°F (Cooling mode)
- Low ambient operation down to -13°F (Heating mode)
- Low temperature compressor start-up protection



FPHMR18A3A , FPHMR24A3A



FPHMR36A3A



FPHMR42A3A

PRO SERIES

MULTI ZONE | CEILING CASSETTE HEAT PUMPS



Compact cassette units install in a drop ceiling and mount flush to the ceiling for a clean look and efficient installation.



Built-in Wi-Fi for control anytime, anywhere

- ✓ Easy to use **FriedrichGo™** app
- ✓ Create customizable, 7-day schedules
- ✓ Control with smartphone
- ✓ Compatible with Amazon Alexa and Google Home



WIRELESS REMOTE WITH THE ABILITY TO CHANGE TO A COOL-ONLY REMOTE

Features for comfort and convenience

- 24-hour on/off timer
- ✓ **Precision Inverter®** technology (variable speed compressor)
- ✓ BLDC motor
- ✓ Soft start compressor
- Natural air flow
- 4-way cooling
- Surge Cool/Heat
- Cooling/Heating/Fan mode
- Dry mode
- ✓ Sleep mode
- Independent vane control
- 3 fan speeds
- Ultra-quiet turbo fan
- Evaporator frost control
- Auto restart
- Auto changeover
- **DiamonBlue Advanced Corrosion Protection®**
- Clean, modern look
- Flexible installation
- ✓ ENERGY STAR® qualified models
- Precise air distribution

Operates in extreme conditions

- 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

NOTE:

Cassette grilles are sold separately. See accessories page.



FPHMR18A3A, FPHMR24A3A



FPHMR36A3A



FPHMR42A3A



PRO SERIES

MULTI ZONE | THE INSIDER® CONCEALED DUCTED HEAT PUMPS

Indoor unit installs in the ceiling or furr down for unobtrusive installation. Conditioned or non-conditioned air can be added to ducting to allow fresh air into the conditioned space whenever required.

Features

- **Precision Inverter®** technology (variable speed compressor)
- Soft start compressor
- BLDC motor
- Cooling/Heating/Fan mode
- Dry mode
- 3 fan speeds
- Auto restart
- Auto changeover
- **DiamonBlue Advanced Corrosion Protection®**
- Control lock function on controller
- External Static Pressure Range (ESP)
 - 9K/12K/18K (0 - .40) WC
 - 24K (0 - .40) WC

Operates in extreme conditions

- 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



WIRED WALL CONTROLLER



LOW AMBIENT OPERATION

FPHMR18A3A, FPHMR24A3A



LOW AMBIENT OPERATION

FPHMR36A3A



LOW AMBIENT OPERATION

FPHMR42A3A



SELECT SERIES

SINGLE ZONE | WALL-MOUNTED HEAT PUMPS

Excellent efficiency and outstanding quality make Floating Air® Select a truly exceptional value line



115 VOLT MODELS
FSHSW09A1A, FSHSW12A1A



230/208 VOLT MODELS

FSHSW18A3A, FSHSW24A3A



FSHSW36A3A



WIRELESS
REMOTE CONTROL

Features

- ✔ Inverter technology is more energy efficient and can self-adjust capacity to match cooling needs
- Multiple operating modes including: auto, cool, dry, fan only and heat
- TURBO mode operates the unit at maximum performance to quickly bring the room to set temperature
- 4 fan speeds heating or cooling: high, medium, low, "quiet", plus auto-fan
- Continuous 'Air Sweep' up & down
- LCD remote
- ✔ 24-hour timer and sleep timer
- ✔ Soft start compressor
- ✔ BLDC motor
- Indoor unit will briefly display set or room temperature
- Auto-restart after power interruptions
- Auto-shut flaps close when unit is off for a sleek appearance
- Washable antimicrobial air filters
- 115V/230V models will provide cooling in outdoor temperatures down to 0°F



LOW AMBIENT
OPERATION



LOW AMBIENT
OPERATION

REFRIGERATION LINE SETS (REQUIRED)
OUTSIDE DIMENSIONS

Floating Air® Pro Wall-mounted				
SYSTEM MODEL	Liquid	Suction	15' Lineset Kit	35' Lineset Kit
FPHW091A	1/4	3/8	T32150	T32350
FPHW121A	1/4	3/8	T32150	T32350
FPHW093A	1/4	3/8	T32150	T32350
PFHW123A	1/4	3/8	T32150	T32350
FPHW183A	1/4	1/2	T42150	T42350
FPHW243A	3/8	5/8	T53150	T53350
FPHW363B	3/8	5/8	T53150	T53350
Floating Air® Pro Multi Zone Outdoor				
FPHMR18A3A	1/4	3/8	T32150	T32350
FPHMR24A3A	1/4	3/8	T32150	T32350
FPHMR36A3A	1/4	3/8	T32150	T32350
FPHMR42A3A	1/4	3/8	T32150	T32350
Floating Air® Premier Wall-mounted				
FRHW093A	1/4	3/8	T32150	T32350
FRHW123A	1/4	3/8	T32150	T32350
Floating Air® Select Wall-mounted				
FSHW091	1/4	3/8	T32150	T32350
FSHW121	1/4	3/8	T32150	T32350
FSHW183	1/4	1/2	T42150	T42350
FSHW243	1/4	5/8	T52150	T52350
FSHW363	1/4	5/8	T52150	T52350
Floating Air® Pro Cassette Single Zone				
FPHC093A	1/4	3/8	T32150	T32350
FPHC123A	1/4	3/8	T32150	T32350
FPHC183A	1/4	1/2	T42150	T42350
FPHC243A	3/8	5/8	T53150	T53350
FPHC363A	3/8	3/4	T63150	T63350
Floating Air® Pro The Insider® Single Zone Concealed Ducted				
FPHD093	1/4	3/8	T32150	T32350
FPHD123	1/4	3/8	T32150	T32350
FPHD183	1/4	1/2	T42150	T42350
FPHD243	3/8	5/8	T53150	T53350
FPHD363	3/8	3/4	T63150	T63350

REFRIGERATION LINE SETS
MIN./MAX. LENGTHS

Floating Air® Pro Wall-mounted		
SYSTEM MODEL	Min. (ft.)	Max. Each/Total (ft.)
FPHW091A	10	50
FPHW121A	10	50
FPHW093A	10	50
PFHW123A	10	50
FPHW183A	10	66
FPHW243A	10	66
FPHW363B	10	66
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	66/197
FPHMR36A3A	25	66/246
FPHMR42A3A	25	66/246
Floating Air® Premier		
FRHW093A	10	66
FRHW123A	10	66
Floating Air® Select		
FSHW091	10	66
FSHW121	10	66
FSHW183	10	82
FSHW243	10	82
FSHW363	15	98

TORQUE WRENCH SETTINGS

Outside Diameter		Torque	
mm	inch	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

CEILING CASSETTE GRILLES

(REQUIRED)

Decorative Grille	
FPCG0912	FPCG182436
Fits FPHFC09A3B FPHFC12A3B	Fits FPHFC18A3B FPHFC24A3B FPHFC36A3B



WALL CONTROLLERS

(OPTIONAL)



FPWC1




FSWC1



DSSXEMWRT3

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

FSWC1- Optional wired wall controller for Floating Air® Select single zone models.

DSSXEMWRT3-  Optional wireless energy management thermostat with occupancy sensor. For Floating Air® Pro, single and multi zone models.

WIRELESS REMOTE ACCESSORY FOR FLOATING AIR® SELECT MODELS

(OPTIONAL)

DFACC- LCD remote for cooling only operation of all Floating Air Select heat pump models.



DFACC

FreshAir® IAQ READY

Introducing Friedrich FreshAir® IAQ.

Proven solutions that improve the health and quality of indoor air, and ease customer concerns about the air they breathe. Easy-to-install FreshAir IAQ accessories improve the health and quality of indoor air.

AIR PURIFICATION

FreshAir® Purifier APWM1

FreshAir Purifier by iWave® features needlepoint bi-polar ionization to address any mold, bacteria, virus, allergens, and VOC's that may be in your air stream to ensure delivery of healthy, clean, purified air. Optional accessory for all Friedrich wall-mounted ductless models.



ULTRAVIOLET LED

Friedrich UV UVL1

Germicidal UV light kits have been tested and certified for use on Friedrich products. The UV kit can be installed on the indoor coil and is designed to disinfect surfaces and the air as it circulates through the ventilation system. UV light can kill airborne bacteria, viruses, mold, reduce maintenance costs and extend the life of an HVAC system. Optional accessory for all Friedrich wall-mounted ductless models.





Friedrich Air Conditioning Co. | 10001 Reunion Place, Suite 500 | San Antonio, TX 78216 | 877.599.5665 | www.friedrich.com

BR_DSS_2023