

# Floating Air® Series Ductless Split Systems



Control  
with App



Save big  
on energy



Voice command  
compatible



**FRIEDRICH**

1883



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



## COMMERCIAL APPLICATIONS



## WI-FI CONTROL\* ANYTIME, ANYWHERE.

\*Available on Premier and Pro wall-mounted models,  
and on Pro ceiling cassette models

# ALL OF THE ADVANTAGES OF DUCTLESS SPLIT SYSTEMS AND FRIEDRICH QUALITY

## 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 that are eventually blown into your home or office.



## Zone cooling flexibility

Independently condition up to four 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.



## Optimized airflow

4-way air swing quickly disperses cool or warm air to all four corners of the room to provide comfort throughout.

The 'Surge Air' feature moves air at an even higher speed for rapid cooling.



## Available built-in Wi-Fi

Easily adjust settings and power units off and on with your smartphone. The FriedrichGo™ app is easy to set up and use. Compatible with Amazon Alexa or Google Home. Wi-Fi available on 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).

A UNIQUE DESIGN MAKES FRIEDRICH—

# THE EASIEST DUCTLESS TO INSTALL, CLEAN & SERVICE

## FastPro®

EXCLUSIVELY ON  
FLOATING AIR PRO AND  
PREMIER SERIES

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### 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.

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### 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.



**40%**

FASTER\*  
TO INSTALL

**45%**

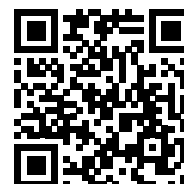
FASTER\*  
TO CLEAN

**50%**

FASTER\*  
TO SERVICE

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Scan the code  
with your smartphone  
camera to learn more  
about **FastPro®**



\*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



**FastPro®**

UNIQUE FEATURES  
FOR FASTER  
INSTALLATION AND  
EASIER SERVICE

- 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 models available
- 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
- 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.

<p><b>FLOATING AIR® PREMIER</b></p> <p><b>SINGLE ZONE</b></p> <p>Wall-mounted</p>	<ul style="list-style-type: none"> <li>• Highest efficiencies</li> <li>• FastPro™ design for fast installation, cleaning and service</li> <li>• Available with built-in Wi-Fi</li> <li>• Extended operating ranges, heating and cooling</li> </ul>	 <p><b>FastPro®</b></p>
<p><b>FLOATING AIR® PRO</b></p> <p><b>SINGLE ZONE AND MULTI ZONE</b></p> <p>Wall-mounted</p> <p>Ceiling Cassettes</p> <p>The Insider® Concealed Ducted Units</p>	<ul style="list-style-type: none"> <li>• Excellent efficiencies</li> <li>• FastPro™ design for fast installation, cleaning and service</li> <li>• Available with built-in Wi-Fi</li> <li>• Extended operating ranges, heating and cooling</li> <li>• 115V wall-mounted heat pumps</li> </ul>	 <p><b>FastPro®</b></p>
<p><b>FLOATING AIR® SELECT</b></p> <p><b>SINGLE ZONE</b></p> <p>Wall-mounted</p>	<ul style="list-style-type: none"> <li>• High efficiency</li> <li>• Moderate pricing</li> <li>• Exceptional value</li> <li>• 115V wall-mounted heat pumps</li> </ul>	

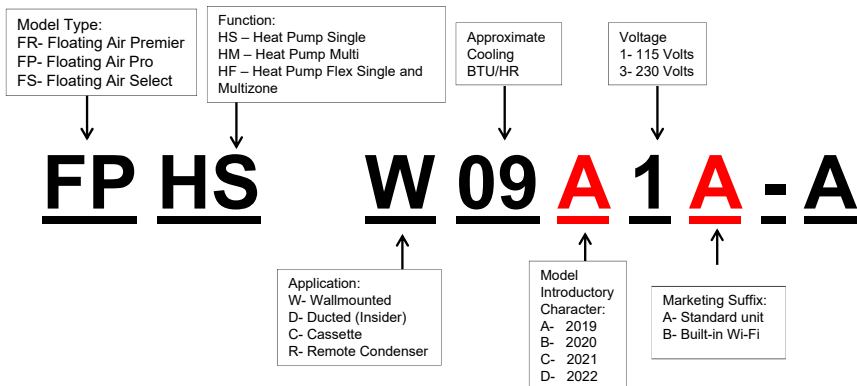
# FEATURE COMPARISON

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

SYSTEM TYPE	WALL-MOUNTED				CASSETTE		CONCEALED DUCTED	
Zones	SINGLE ZONE			MULTI ZONE	SINGLE ZONE	MULTI ZONE	SINGLE ZONE	MULTI ZONE
<b>Floating Air® Series</b>	Premier	Pro	Select	Pro	Pro	Pro	Pro The Insider™	Pro The Insider™
Installation	Wall	Wall	Wall	Wall	Ceiling	Ceiling	Concealed	Concealed
FastPro™ Design	✓	✓	—	✓	—	—	—	—
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*	-4° F**	-13° F	-4° F	-13° F	-4° F	-13° F
Inverter driven compressor	✓	✓	✓	✓	✓	✓	✓	✓
Built-in Wi-Fi models, FriedrichGo app	✓	✓	—	✓	✓	✓	—	—
Google Home/Amazon Alexa compatible	✓	✓	—	✓	✓	✓	—	—
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	✓	✓	✓	✓	✓	✓	—	—
Washable, antimicrobial air filters	✓	✓	✓	✓	✓	✓	✓	✓

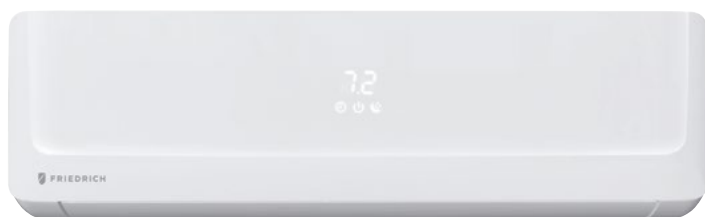
\*FastPro not available on FPHSW36A3A. \*\* [9K/12K/18K -4°F] [18K/24K -13°F]

## MODEL IDENTIFICATION GUIDE



## SINGLE ZONE • WALL-MOUNTED HEAT PUMPS

Top cooling and heating performance in extreme climates.  
28.0 SEER - our highest efficiencies ever!



### Wi-Fi available on select models for control anytime, anywhere

- Easy to use FriedrichGo™ app
- 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

- Create customizable, 7-day schedules
- 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





## PREMIER SERIES SPECIFICATIONS

PERFORMANCE RATINGS		Single Zone Wall-Mounted - Heat Pumps	
		9k	12k
SYSTEM MODEL NO.		FRHW093 FRHW093A <i>Wi-Fi</i>	FRHW123 FRHW123A <i>Wi-Fi</i>
INDOOR MODELS		FRHSW09A3A FRHSW09A3B <i>Wi-Fi</i>	FRHSW12A3A FRHSW12A3B <i>Wi-Fi</i>
OUTDOOR MODEL		FRHSR09A3A	FRHSR12A3A
SPECIFICATIONS			
CAPACITY COOLING (RATED)	Btu	9000	12000
CAPACITY COOLING (MIN-MAX)	Btu	3600-10000	4000-13500
CAPACITY HEATING @47°F (RATED)	Btu	10500	13000
CAPACITY HEATING @17°F (RATED)	Btu	6500	8000
CAPACITY HEATING (MIN-MAX)	Btu	3600-10500	4000-14000
SENSIBLE HEAT RATIO		76%	77%
HSPF		12.5	12.0
SEER		28.0	25.0
EER		16.1	15.4
ENERGY STAR		YES	YES
MOISTURE REMOVAL	Pts/h	1.9	2.5
AIRFLOW (QUIET, LOW, MED, HIGH)	CFM	416/384/355/279	598/536/446/345
SOUND RATING - INDOOR	dB-A	39/34/31	45/41/39
SOUND RATING - OUTDOOR	dB-A	55	55
OPERATING RANGE (COOLING)	°F	0°-115°	0°-115°
OPERATING RANGE (HEATING)	°F	-13°-75°	-13°-75°
EST. YEARLY OPERATING COST	\$	50	70
ELECTRICAL DATA			
POWER SOURCE	V-Hz-Phase	230/208-60-1	230/208-60-1
MINIMUM AMPACITY	A	10A	12A
COOLING WATTS	W	559	779
COOLING AMPS		2.3	4.6
HEATING WATTS	W	905	856
HEATING AMPS		3.4	4.8
MAX. TD FUSE/BREAKER	A	15A	15A
POWER AND COMMUNICATION CABLE	No. x AWG	4 x 14AWG	4 x 14AWG
REFRIGERATION SYSTEM			
REFRIGERANT		R410a	R410a
COMPRESSOR TYPE		Rotary	Rotary
CONNECTIONS		Flare	Flare
LIQUID LINE O.D.	in	1/4	1/4
SUCTION LINE O.D.	in	3/8	3/8
FACTORY PRECHARGE	ft	25	25
REFRIGERANT CHARGE	oz	38.8	45.9
MIN./MAX. LINE LENGTH	ft	10-66	10-66
MAX. HEIGHT DIFFERENCE	ft	33	33
DIMENSIONS & WEIGHT			
INDOOR UNIT			
W X H X D	in	33 7/8 x 11 1/8 x 8 1/2	38 1/8 x 13 1/8 x 10
NET WEIGHT	lbs	22	28.5
SHIPPING WEIGHT	lbs	26.5	34
OUTDOOR UNIT			
W X H X D	in	31 7/8 x 23 x 11	31 7/8 x 23 x 11
NET WEIGHT	lbs	75	84
SHIPPING WEIGHT	lbs	81.5	92.5
TOTAL NET WEIGHT	lbs	97	112.5
TOTAL SHIPPING WEIGHT	lbs	108	126.5

Your operating costs will depend on your utility rates and use.

The estimated operating cost is based on a electricity cost of \$.12 per kWh.

For more information, visit [www.ftc.gov/energy](http://www.ftc.gov/energy).

Due to continuing research in new energy-saving technology, specifications are subject to change without notice.

