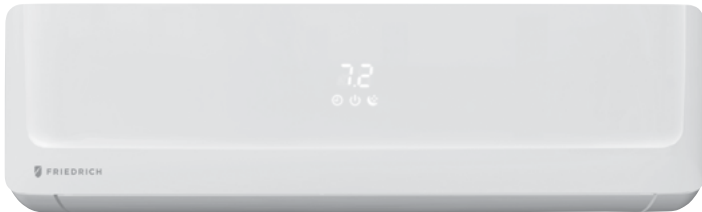




## Friedrich Floating Air® Premier Series Wall-mounted Ductless Heat Pumps



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### HEAT PUMPS

230 volt- 9,000 and 12,000 Btu COOLING  
10,500 and 13,000 Btu HEATING

EFFICIENCY: SEERs up to 28.0

### FEATURES

- Easy to use *FriedrichGo™* app
- Create customizable, 7-day schedules
- Control with smartphone
- Compatible with Amazon Alexa and Google Home Easy to use *FriedrichGo™* app
- Create customizable, 7-day schedules
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- Compatible with Amazon Alexa and Google Home
- *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)
- Low ambient operation down to 0°F (Cooling mode)
- Low ambient operation down to -13°F (Heating mode)
- Low temperature compressor start-up protection



# SPECIFICATIONS

PERFORMANCE RATINGS		Single Zone Wall-Mounted - Heat Pumps	
SYSTEM MODEL NO.		FRHW093A	FRHW123A
INDOOR MODELS		FRHSW09A3B	FRHSW12A3B
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
HSPF2		10.0	10.5
SEER		28.0	25.0
SEER2		27.5	24.5
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

## REFRIGERATION LINE SETS (REQUIRED)

### OUTSIDE DIMENSIONS

Floating Air® Premier Wall-mounted				
FRHW093A	1/4	3/8	T32150	T32350
FRHW123A	1/4	3/8	T32150	T32350

## REFRIGERATION LINE SETS

### MIN./MAX. LENGTHS

Floating Air® Premier		
FRHW093A	10	66
FRHW123A	10	66

## 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



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