

SINGLE ZONE • WALL-MOUNTED HEAT PUMPS

Excellent efficiency and outstanding quality make 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
- 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



OPTIONAL ACCESSORY FOR FLOATING AIR® SELECT MODELS

DFACC

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



SELECT SERIES SPECIFICATIONS

PERFORMANCE RATINGS		115 volt models		230/208 volt models		
SYSTEM MODEL NO.		FSHW091	FSHW121	FSHW183	FSHW243	FSHW363
INDOOR MODEL		FSHSW09A1A	FSHSW12A1A	FSHSW18A3A	FSHSW24A3A	FSHSW36A3A
OUTDOOR MODEL		FSHSR09A1A	FSHSR12A1A	FSHSR18A3A	FSHSR24A3A	FSHSR36A3A
SPECIFICATIONS						
CAPACITY COOLING (RATED)	Btu	9000	12000	18000	24000	36000
CAPACITY COOLING MIN - MAX	Btu	3753-9724	3753-12500	3412-20472	8600-24000	7404-35997
CAPACITY HEATING (RATED) @ 47°F	Btu	9500	13000	19800	24000	34600
CAPACITY HEATING (RATED) @ 17°F	Btu	6800	7100	12800	14600	20200
CAPACITY HEATING MIN - MAX	Btu	2081-12283	3412-05013	3412-21837	8600-26000	14979-35997
SENSIBLE HEAT RATIO		0.79	0.73	0.77	0.77	0.75
HSPF		9.0	9.0	9.0	10.0	9.0
SEER		18.0	18.0	18.0	18.0	18.0
EER		10.0	10.1	9.89	11.0	8.2
MOISTURE REMOVAL	Pts/h	1.69	2.96	3.8	4.23	7.4
AIRFLOW (HIGH/MED/LOW/QUIET)	CFM	318/288/241/171	400/318/241/194	500/441/383/294	588/441/306/206	883/765/647/559
SOUND RATING - INDOOR (HIGH/MED/LOW/QUIET)	dB-A	43/38/34/28	43/39/35/29	47/44/41/35	49/46/42/36	54/49/44/37
SOUND RATING - OUTDOOR	dB-A	52	53	57	58	65
OPERATING RANGE (HEATING)	°F	-4-75	-4-75	-13-75	-13-75	-4-75
OPERATING RANGE (COOLING)	°F	0-115	0-115	0-115	0-115	0-115
EST. YEARLY OPERATING COST	U.S. \$	\$67	\$113	\$146	\$198	\$368
ELECTRICAL DATA						
POWER SOURCE	V-Hz-Phase	115-60-1	115-60-1	230/208-60-1	230/208-60-1	230/208-60-1
MIN. AMPACITY	A	17	20	16	16	24
COOLING WATTS	W	900	194	1820	2010	4100
COOLING AMPS	A	10.87	13.0	8.1	17.0	10.87
HEATING WATTS	W	870	1250	2090	2130	3800
HEATING AMPS	A	10.36	13.5	8.5	9.45	16.5
MAX. TD FUSE/BREAKER	A	25	30	25	25	40
REFRIGERATION SYSTEM						
REFRIGERANT		R410A	R410A	R410A	R410A	R410A
COMPRESSOR TYPE		Inverter	Inverter	Inverter	Inverter	Inverter
CONNECTIONS		Flare	Flare	Flare	Flare	Flare
LIQUID LINE O.D.	in	1/4"	1/4"	1/4"	1/4"	1/4"
SUCTION LINE O.D.	in	3/8"	3/8"	1/2"	5/8"	5/8"
REFRIGERANT CHARGE	oz.	24.7	31.8	45.68	56.4	91.71
FACTORY PRECHARGE	ft	25	25	25	25	25
MIN. / MAX. LINE LENGTH	ft	7/66	7/98	10/82	10/82	15/98
MAX. HEIGHT DIFFERENCE	ft	32.8	49.2	65.0	65.6	32.8
DIMENSIONS & WEIGHT						
INDOOR UNIT						
W x H x D	in	31 1/8 x 10 7/8 x 8	31 1/8 x 11 3/8 x 8	33 1/4 x 11 7/8 x 9	42 1/2 x 12 7/8 x 10	53 1/8 x 12 7/8 x 10
NET WEIGHT	lbs	20.9	23.2	30.9	37.5	42.0
SHIPPING WEIGHT	lbs	25.4	27.6	37.5	45.2	51.8
OUTDOOR UNIT						
W x H x D	in	33 1/2 x 21 1/4 x 12 5/8		37 5/8 x 27 5/8 x 15 5/8		38 5/8 x 31 1/8 x 16 7/8
NET WEIGHT	lbs	62.8	67.3	97.0	103.6	161
SHIPPING WEIGHT	lbs	68.4	72.8	106.9	113.5	171.9
TOTAL NET WEIGHT	lbs	83.7	90.5	127.9	141.1	203
TOTAL SHIPPING WEIGHT	lbs	93.8	100.4	144.4	158.7	223.7

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



ACCESSORIES

REFRIGERATION LINE SETS (REQUIRED) OUTSIDE DIMENSIONS

Floating Air® Pro Wall-mounted				
SYSTEM MODEL	Liquid	Suction	15' Lineset Kit	35' Lineset Kit
FPHW091 / FPHW091A	1/4	3/8	T32150	T32350
FPHW121 / FPHW121A	1/4	3/8	T32150	T32350
FPHW093 / FPHW093A	1/4	3/8	T32150	T32350
FPHW123 / FPHW123A	1/4	3/8	T32150	T32350
FPHW183 / FPHW183A	1/4	1/2	T42150	T42350
FPHW243 / FPHW243A	3/8	5/8	T53150	T53350
FPHW363 / FPHW363A	3/8	3/4	T63150	T63350
Floating Air® Pro Multizone Outdoor				
FPHMR18A3A	1/4	3/8	T32150	T32350
FPHMR24A3A	1/4	3/8	T32150	T32350
FPHMR36A3A	1/4	3/8	T32150	T32350
Floating Air® Premier Wall-mounted				
FRHW093 / FRHW093A	1/4	3/8	T32150	T32350
FRHW123 / 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				
FPHC093 / FPHC093A	1/4	3/8	T32150	T32350
FPHC123 / FPHC123A	1/4	3/8	T32150	T32350
FPHC183 / FPHC183A	1/4	1/2	T42150	T42350
FPHC243 / 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.)
FPHW091 / FPHW091A	10	50
FPHW121 / FPHW121A	10	50
FPHW093 / FPHW093A	10	50
FPHW123 / FPHW123A	10	50
FPHW183 / FPHW183A	10	66
FPHW243 / FPHW243A	10	66
FPHW363 / FPHW363A	10	66
Floating Air® Pro Ceiling Cassette		
FPHC093 / FPHC093A	25	82
FPHC123 / FPHC123A	25	82
FPHC183 / FPHC183A	25	82
FPHC243 / 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
Floating Air® Premier		
FRHW093 / FRHW093A	10	66
FRHW123 / FRHW123A	10	66
Floating Air® Select		
FSHW091	10	66
FSHW121	10	66
FSHW183	10	82
FSHW243	10	82
FSHW363	15	98

CEILING CASSETTE GRILLES (REQUIRED)

Decorative Grille	
FPCG0912	FPCG182436
Fits FPHFC09A3A (B) FPHFC12A3A (B)	Fits FPHFC18A3A (B) FPHFC24A3A (B) FPHFC36A3B

WALL CONTROLLERS (OPTIONAL)



FPWC1



FSWC1

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

FPWC1 Optional wired wall controller for Floating Air® Pro and Premier, single and multizone models.

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

Many Friedrich ductless models qualify for rebates

Many utility companies offer rebates on ductless air conditioners. Contact your local energy provider for information on ductless rebates or visit: <http://www.dsireusa.org>

Find a factory trained Friedrich ductless installer at www.friedrich.com



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