



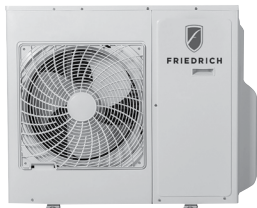
Friedrich Floating Air® Pro Series Wall-mounted Ductless Heat Pumps



HEAT PUMPS

230 volt- 7,000 to 24,000 Btu COOLING
8,500 to 24,200 Btu HEATING

EFFICIENCY: SEERs up to 22.5



FPHMR18A3A , FPHMR24A3A



FPHMR36A3A



FPHMR42A3A

FEATURES

- Easy to use *FriedrichGo™* app
- Create customizable, 7-day schedules
- Control with smartphone
- 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 14°F (Cooling mode)
- Low ambient operation down to -13°F (Heating mode)
- Low temperature compressor start-up protection



SPECIFICATIONS

PERFORMANCE RATINGS		Multi Zone Wall-Mounted - Heat Pumps				
		7k	9k	12k	18k	24k
INDOOR MODEL		FPHMW07A3B	FPHFW09A3B	FPHFW12A3B	FPHFW18A3B	FPHFW24A3B
SPECIFICATIONS						
CAPACITY COOLING (RATED)	Btu	7000	9000	12000	18000	24000
CAPACITY HEATING (RATED)	Btu	8500	9500	13000	19000	24200
MOISTURE REMOVAL	Pts/h	2.5	2.5	3.2	4.2	5.3
AIRFLOW	CFM	424/382/323/247	424/382/323/247	424/382/323/247	618/565/482/382	735/665/559/441
SOUND RATING (HIGH/MED/LOW)	dB-A	38/32/29	38/32/29	39/32/29	45/41/37	48/45/40
ELECTRICAL DATA						
POWER SOURCE	V-Hz-Phase	230/208-60-1	230/208-60-1	230/208-60-1	230/208-60-1	230/208-60-1
REFRIGERATION SYSTEM						
CONNECTIONS		Flare	Flare	Flare	Flare	Flare
LIQUID LINE O.D.	in	1/4	1/4	1/4	1/4	3/8
SUCTION LINE O.D.	in	3/8	3/8	3/8	1/2	5/8
DIMENSIONS & WEIGHT						
W x H x D	in	37 ³ / ₈ " x 10 ³ / ₄ " x 8 ¹ / ₈ "			48" x 12 ⁵ / ₈ " x 9 ¹ / ₄ "	48" x 12 ⁵ / ₈ " x 9 ¹ / ₄ "
NET WEIGHT	lbs	18.7	18.7	18.7	32	32
SHIPPING WEIGHT	lbs	24.3	24.3	24.3	37.5	37.5

PERFORMANCE RATINGS		Multi Outdoor			
		18k	24k	36k	42K
OUTDOOR MODEL		FPHMR18A3A	FPHMR24A3A	FPHMR36A3A	FPHMR42A3A
SPECIFICATIONS					
POWER SOURCE		208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
EST. YEARLY OPERATING COST	\$	\$90	\$172	\$259	\$277
RUNNING CURRENT COOLING RATED	A	6.5	8.7	11	17.5
RUNNING CURRENT HEATING RATED	A	7.3	8.7	13	17
POWER INPUT COOLING MIN. - RATED - MAX.	W	1440 (510-2610)	1920 (420-2640)	2520 (700-5000)	4020 (700-5000)
POWER INPUT HEATING MIN. - RATED - MAX.	W	1530 (450-3510)	1920 (420-4020)	3060 (600-6000)	3870 (600-6000)
POWER AND COMMUNICATION CABLE	No. x AWG	4 x 14AWG	4 x 14AWG	4 x 14AWG	4 x 14AWG
DIMENSIONS W x H x D	in	33 ⁷ / ₈ x 26 ³ / ₈ x 12 ¹ / ₄	37 ³ / ₈ x 33 x 13 ³ / ₈	37 ³ / ₈ x 41 ³ / ₈ x 13 ³ / ₈	37 ³ / ₈ x 41 ³ / ₈ x 13 ³ / ₈
NET WEIGHT	lbs	108	159	186	196
SHIPPING WEIGHT	lbs	119	170	216	225
REFRIGERATION SYSTEM					
REFRIGERANT		R410A	R410A	R410A	R410A
FACTORY PRECHARGE	oz	63	81	106	120
FACTORY PRECHARGE	ft	50	75	100	125
LIQUID LINE O.D.	in	1/4	1/4	1/4	1/4
SUCTION LINE O.D.	in	3/8	3/8	3/8	3/8
MIN./MAX. LINE LENGTH (EACH)	ft	25/82	25/66	25/66	25/66
LINE LENGTH (TOTAL)	ft	164	197	197	262
MAX. HEIGHT DIFFERENCE	ft	49	49	49	49
SOUND PRESSURE LEVEL COOLING	dB	55	59	59	59
SOUND PRESSURE LEVEL HEATING	A	55	59	59	59
OPERATING RANGE COOLING	°F DB	14-115	14-115	14-115	14-115
OPERATING RANGE HEATING	°F WB	-13-75	-13-75	-13-75	4-75
MINIMUM AMPACITY	A	21A	25A	32A	35A
MAX. TD FUSE/BREAKER	A	30A	30A	50A	50A

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.

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

MULTI ZONE CONFIGURATION, AHRI RATINGS

Friedrich Model	AHRI Reference		System Capacity	EER	SEER	High Heat		Low Heat
	Number	Indoor Type				47 °F	HSPF	
FPHMR18A3A	205150429	Non-ducted Indoor Units	18000	12.50	22.00	18000	11.00	12200
	205150428	Ducted Indoor Units	18000	11.50	19.00	18000	9.60	12200
	205150430	Mixed Ducted and Non-ducted Indoor Units	18000	12.00	20.50	18000	10.30	12200
FPHMR24A3A	204101246	Non-ducted Indoor Units	24000	12.50	22.00	24000	11.00	15400
	204005731	Ducted Indoor Units	24000	12.10	21.00	24000	10.00	15400
	203999079	Mixed Ducted and Non-ducted Indoor Units	24000	12.30	21.50	24000	10.50	15400
FPHMR36A3A	204101247	Non-ducted Indoor Units	32000	12.50	21.00	36000	11.00	23200
	203996910	Ducted Indoor Units	32000	12.00	19.50	36000	10.80	22600
	203999080	Mixed Ducted and Non-ducted Indoor Units	32000	12.25	20.25	36000	10.90	22600
FPHMR42A3A	205141512	Non-ducted Indoor Units	42000	10.50	20.00	42000	10.00	24000
	205141511	Ducted Indoor Units	41000	10.00	18.00	42000	9.50	24000
	205141513	Mixed Ducted and Non-ducted Indoor Units	41500	10.25	19.00	42000	9.75	24000

REFRIGERATION LINE SETS (REQUIRED)

OUTSIDE DIMENSIONS

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

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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ACCESSORIES

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WALL CONTROLLERS

(OPTIONAL)



FPWC1



DSSXEMWRT3

- FPWC1 Optional wired wall controller for Floating Air® Pro, single and multi zone models. Does not work with FPHSW36A3B at this time. Please check with your Friedrich representative for options.
- DSSXEMWRT3 Optional wireless energy management thermostat with occupancy sensor. For Floating Air® Pro, single and multi zone models.
- EMOCT- Online connection kit EMRAF- Remote access fee EMROS- Remote occupancy sensor
 EMRTS- Remote Temperature sensor EMRDS- Door switch EMCWP- Wall plate
 EMRWOS- Wireless occupancy sensor



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