Floating Air®

Ductless Split Systems



PRO Series

High efficiency single and multizone ductless with Fast Pro™, Friedrich's contractor-friendly features for easy installation and faster service

PREMIER Series

Exceptional quality and our highest efficiency line with Fast Pro™, Friedrich's contractor-friendly features for easy installation and faster service

SELECT Series

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

FRIEDRICH
1883

THE EXPERTS IN ROOM AIR CONDITIONING

THE CONTRACTOR'S CHOICE FOR DUCTLESS.

Three exceptional lines of ductless with unique features for easy installation and fast service. All with the performance and value you expect from Friedrich.



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. Soft start technology starts the compressor with minimal amperage at start up, saving energy versus compressors utilizing locked rotor amperage (LRA).

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 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.	



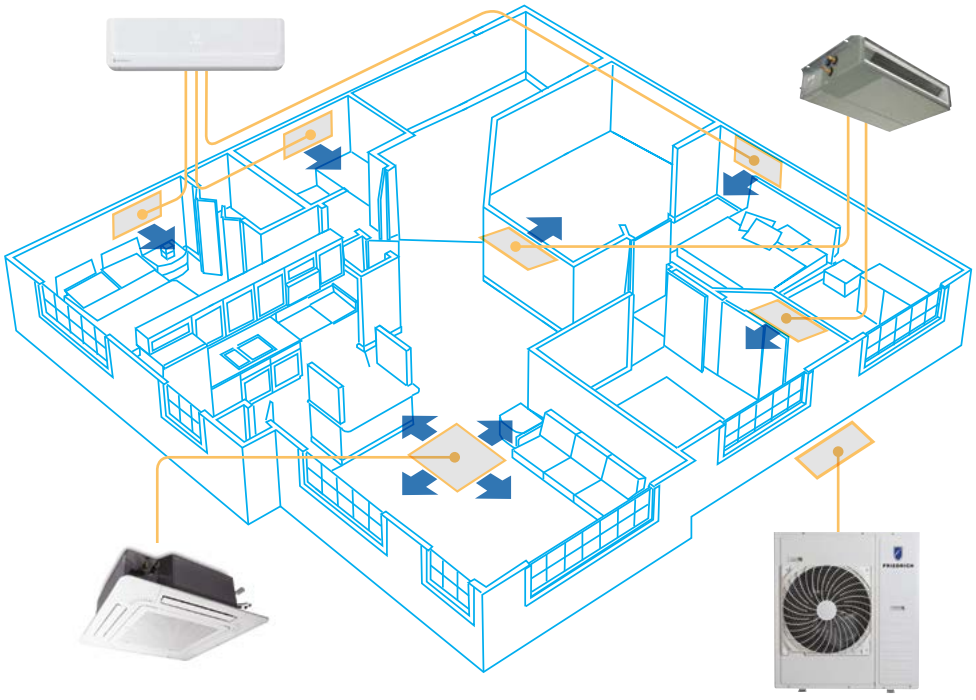
MULTIZONE SYSTEMS PROVIDE TOTAL FLEXIBILITY.

MIX AND MATCH SYSTEMS TO FIT MOST APPLICATIONS.

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 Multizone System.



*Multizone units cannot heat and cool simultaneously.

FastPro™

A UNIQUE DESIGN THAT MAKES FRIEDRICH—

THE EASIEST DUCTLESS TO INSTALL, CLEAN & SERVICE

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.

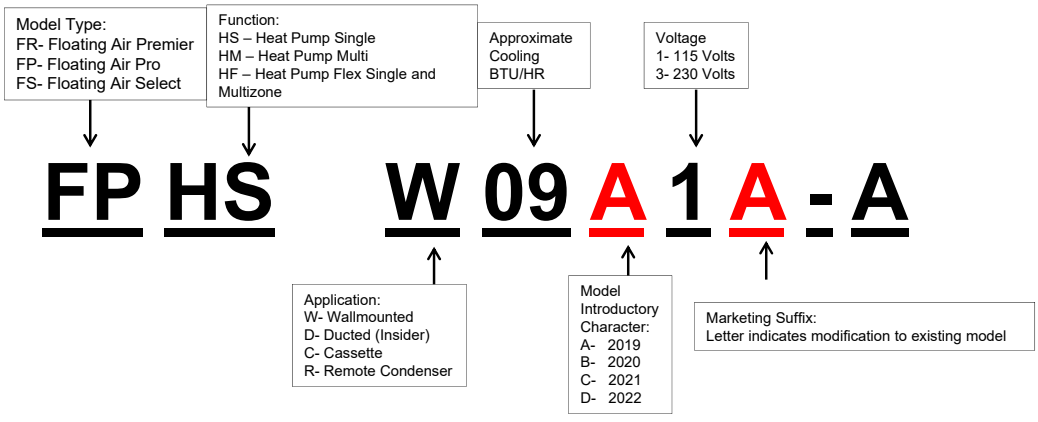


THE SOLUTION:

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 jobsite.



MODEL IDENTIFICATION GUIDE



FastPro is available on **Floating Air® Pro** and **Floating Air® Premier** 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
- Easy access to the wire terminal blocks
- Kickstand on the wall bracket provides ample space for your hands to work
- Auto leak detection
- Advanced corrosion protection
- Auto clean
- Washable, antimicrobial air filters

SINGLE ZONE • WALL-MOUNTED HEAT PUMPS

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





WIRELESS
REMOTE CONTROL



Features

- Precision Inverter® technology (variable speed compressor)
- Fast Pro™ blower wheel assembly for the fastest access for maintenance of any wall-mounted ductless split systems
- Soft start compressor
- BLDC motor
- High efficiency for low operating cost
- DiamonBlue Advanced Corrosion Protection®
- 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 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

FastPro™ | DIAMONDBLUE Advanced Corrosion Protection® | PRECISION INVERTER® | 5 YR. PARTS WARRANTY | 7 YR. COMPRESSOR WARRANTY

PRO SERIES SPECIFICATIONS

PERFORMANCE RATINGS		115 volt models		230/208 volt models	
SYSTEM MODEL NO.		FPHW091	FPHW121	FPHW093	FPHW123
INDOOR MODEL		FPHSW09A1A	FPHSW12A1A	FPHFW09A3A	FPHFW12A3A
OUTDOOR MODEL		FPHSR09A1A	FPHSR12A1A	FPHSR09A3A	FPHSR12A3A
SPECIFICATIONS					
CAPACITY COOLING (RATED)	Btu	9000	12000	9000	12000
CAPACITY COOLING MIN - MAX	Btu	3600-10000	4000-13500	3600-10000	4000-13500
COOLING AMPS		6.3	8.3	2.9	4.3
HEATING AMPS		7.0	9.7	3.1	5.0
SENSIBLE HEAT RATIO		76%	77%	76%	77%
CAPACITY HEATING (RATED) @ 47°F	Btu	9500	13000	9500	13000
CAPACITY HEATING MIN - MAX	Btu	3600-10500	4000-14000	3600-10500	4000-14000
CAPACITY HEATING (RATED) @ 17°F	Btu	5000	7500	5000	7500
COP		3.56	3.46	3.88	3.42
HSPF		10.00	10.50	10.70	10.50
SEER		19.5	22.0	22.5	22.0
EER		12.8	13.0	13.7	13.0
MOISTURE REMOVAL	Pts/h	1.9	2.5	1.9	2.5
AIRFLOW (HIGH/MED/LOW/QUIET)	CFM	424/382/323/247	424/382/323/247	424/382/323/247	424/382/323/247
SOUND RATING - INDOOR (HIGH/MED/LOW/QUIET)	dB-A	39/32/29/26	39/32/29/26	39/32/29/26	39/32/29/26
SOUND RATING - OUTDOOR	dB-A	53	53	53	53
OPERATING RANGE (HEATING)	°F	(-4° – 75°)	(-4° – 75°)	(-4° – 75°)	(-4° – 75°)
OPERATING RANGE (COOLING)	°F	(5° – 115°)	(5° – 115°)	(5° – 115°)	(5° – 115°)
EST. YEARLY OPERATING COST	U.S. $	$61	$72	$53	$72
ELECTRICAL DATA					
POWER SOURCE	V/Hz/Phase	115V~,60Hz,1P	115V~,60Hz,1P	230V~,208V~,60Hz,1P	230V~,208V~,60Hz,1P
MIN. AMPACITY	A	13.5	16.5	10	10
COOLING WATTS	W	700	950	655	960
HEATING WATTS	W	780	1100	720	1110
MAX. TD FUSE/BREAKER	A	20	25	15	15
POWER AND COMMUNICATION CABLE	No. x AWG	4 x 14AWG	4 x 14AWG	4 x 14AWG	4 x 14AWG
REFRIGERATION SYSTEM					
REFRIGERANT		R410a	R410a	R410a	R410a
COMPRESSOR TYPE		Rotary	Rotary	Rotary	Rotary
CONNECTIONS		Flare	Flare	Flare	Flare
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
REFRIGERANT CHARGE	oz.	33.5	40.9	33.5	40.9
FACTORY PRECHARGE	ft.	25	25	25	25
MIN. / MAX. LINE LENGTH	ft	9.8-50	9.8-50	9.8-50	9.8-50
MAX. HEIGHT DIFFERENCE	ft	33	33	33	33
DIMENSIONS & WEIGHT					
INDOOR UNIT					
W x H x D	in	33 7/8 x 11 3/16 x 8 1/2		33 7/8 x 11 3/16 x 8 1/2	
NET WEIGHT	lbs	20	20	20	20
SHIPPING WEIGHT	lbs	24.25	24.25	24.25	24.25
OUTDOOR UNIT					
W x H x D	in	28 1/8 x 19 x 9 7/16	31 7/8 x 23 x 11	28 1/8 x 19 x 9 7/16	31 7/8 x 23 x 11
NET WEIGHT	lbs	65	78	59.5	72.5
SHIPPING WEIGHT	lbs	68	82.5	65	79
TOTAL NET WEIGHT	lbs	85	98	79.5	92.5
TOTAL SHIPPING WEIGHT	lbs	92.25	106.75	89.25	103.25

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.

SINGLE ZONE • WALL-MOUNTED HEAT PUMPS

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



FPHFW18A3A, FPHFW24A3A



FPHSW36A3A



WIRELESS
REMOTE CONTROL



Features

- Precision Inverter® technology (variable speed compressor)
- Fast Pro™ blower wheel assembly for the fastest access for maintenance of any wall-mounted ductless split systems (feature not on model FPHSW36A3A)
- Soft start compressor
- BLDC motor
- High efficiency for low operating cost
- DiamonBlue Advanced Corrosion Protection®
- 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

FastPro™ | DIAMONDBLUE Advanced Corrosion Protection® | PRECISION INVERTER® | 5 YR. PARTS WARRANTY | 7 YR. COMPRESSOR WARRANTY

PRO SERIES SPECIFICATIONS

PERFORMANCE RATINGS		230/208 volt models		
SYSTEM MODEL NO.		FPHW183	FPHW243	FPHW363
INDOOR MODEL		FPHFW18A3A	FPHFW24A3A	FPHSW36A3A
OUTDOOR MODEL		FPHSR18A3A	FPHSR24A3A	FPHSR36A3A
SPECIFICATIONS				
CAPACITY COOLING (RATED)	Btu	18000	23500	36000
CAPACITY COOLING MIN - MAX	Btu	6500-19500	8000-26500	12000--38000
COOLING AMPS		6.3	8.3	18.5
HEATING AMPS		7.2	11.1	16
SENSIBLE HEAT RATIO		80%	76%	79%
CAPACITY HEATING (RATED) @ 47°F	Btu	19000	26000	36000
CAPACITY HEATING MIN - MAX	Btu	6500-20000	8000-26500	12000--38000
CAPACITY HEATING (RATED) @ 17°F	Btu	11600	14500	18700
COP		3.40	3.05	3.05
HSPF		11.6	10.5	8.8
SEER		23.3	21	16.4
EER		13	12.5	8.6
MOISTURE REMOVAL	Pts/h	3.2	5.1	6.8
AIRFLOW (HIGH/MED/LOW/QUIET)	CFM	618/565/482/382	735/665/559/441	1030/824/706/588
SOUND RATING - INDOOR (HIGH/MED/LOW/QUIET)	dB-A	45/41/37/34	47/42/36/33	50/45/40/38
SOUND RATING - OUTDOOR	dB-A	55	58	60
OPERATING RANGE (HEATING)	°F	-4° – 75°	-4° – 75°	-4° – 75°
OPERATING RANGE (COOLING)	°F	5° – 115°	5° – 115°	5° – 115°
EST. YEARLY OPERATING COST	U.S. $	$124	$169	$376
ELECTRICAL DATA				
POWER SOURCE	V/Hz/Phase	230V~,208V~,60Hz,1P	230V~,208V~,60Hz,1P	230V~,208V~,60Hz,1P
MIN. AMPACITY	A	15	20	30
COOLING WATTS	W	1385	1880	4186
HEATING WATTS	W	1638	2500	3459
MAX. TD FUSE/BREAKER	A	20	30	35
POWER AND COMMUNICATION CABLE	No.x AWG	4 x 14AWG	4 x 14AWG	4 x 14AWG
REFRIGERATION SYSTEM				
REFRIGERANT		R410a	R410a	R410a
COMPRESSOR TYPE		Rotary	Rotary	Rotary
CONNECTIONS		Flare	Flare	Flare
LIQUID LINE O.D.	in	1/4	3/8	3/8
SUCTION LINE O.D.	in	1/2	5/8	3/4
REFRIGERANT CHARGE	oz.	54.7	66.3	81.2
FACTORY PRECHARGE	ft.	25	25	25
MIN. / MAX. LINE LENGTH	ft	9.8-66	9.8-66	9.8-66
MAX. HEIGHT DIFFERENCE	ft	33	33	33
DIMENSIONS & WEIGHT				
INDOOR UNIT				
W x H x D	in	45 3/16 x 13 1/8 x 9 15/16		50 5/8 X 13 5/8 X 10 5/16
NET WEIGHT	lbs	33	33	40
SHIPPING WEIGHT	lbs	38.5	38.5	48
OUTDOOR UNIT				
W x H x D	in	33 7/8 x 25 9/16 x 12 3/16	34 7/8 x 31 5/16 x 14 3/8	34 7/8 x 31 5/16 x 14 3/8
NET WEIGHT	lbs	99	123.5	141
SHIPPING WEIGHT	lbs	108	141	152
TOTAL NET WEIGHT	lbs	132	156.5	181
TOTAL SHIPPING WEIGHT	lbs	146.5	179.5	200

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.

SINGLE ZONE • CEILING CASSETTE HEAT PUMPS

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



MC24Y3J, MC36Y3J

Low profile indoor unit is recessed into the ceiling for a clean look and greater clearance.

NOTE: Grilles are sold separately.

- 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
- Evaporator frost control
- 24-hour on/off timer
- Auto restart
- Auto changeover
- Temperature display on remote
- Ultra-quiet turbo fan
- DiamonGold Advanced Corrosion Protection™
- Clean, modern look
- Flexible installation
- ENERGY STAR® qualified models
- Precise air distribution
- Capable of branch duct to adjacent closet or bathroom

Operates in extreme conditions

- Built-in low ambient standard, down to 14°F (Cooling mode)
- Low ambient operation down to -4°F (Heating mode)



WIRELESS
REMOTE CONTROL



MR24UY3J



MR36UY3J

DIAMONDGOLD Advanced Corrosion Protection™ | PRECISION INVERTER® | 5 YR. PARTS WARRANTY | 7 YR. COMPRESSOR WARRANTY

PRO SERIES SPECIFICATIONS

PERFORMANCE RATINGS		Single Zone Cassette - Heat Pumps	
SYSTEM MODEL NO.		C24YJ	C36YJ
INDOOR MODEL		MC24Y3J	MC36Y3J
OUTDOOR MODEL		MR24UY3J	MR36UY3J
SPECIFICATIONS			
CAPACITY COOLING (RATED)	Btu	24,000	36,000
CAPACITY COOLING (MIN~MAX)	Btu	9,700~26,700	14,000~42,000
CAPACITY HEATING @47^{0}F (RATED)	Btu	27,000	40,000
CAPACITY HEATING @17^{0}F (RATED)	Btu	18,600	26,000
CAPACITY HEATING (MIN~MAX)	Btu	10,900~30,000	14,500~45,000
COOLING AMPS		15.1	20.2
HEATING AMPS		16.0	24.0
COP	.	2.84	2.78
SENSIBLE HEAT RATIO		.77	.76
SEER		17.0	19.0
EER		12.6	13.5
HSPF		9.7	9.5
ENERGY STAR *		Yes	Yes
MOISTURE REMOVAL	Pts/h	5.1	7.7
AIRFLOW (LOW, MED, HIGH)	CFM	459 / 530 / 600	918 / 989 / 1,060
SOUND RATING - INDOOR H/M/L	dB(A)	38/36/34	46/44/43
SOUND RATING - OUTDOOR	dB(A)	62	67
OPERATING RANGE (COOLING)	°FDB	14~118	14~118
OPERATING RANGE (HEATING)	°FWB	-4~64	-4~64
EST. YEARLY OPERATING COST	$	172	240
ELECTRICAL DATA			
POWER SOURCE	V	208/230/60/1	208/230/60/1
MINIMUM AMPACITY	A	18.1	24.5
COOLING WATTS	W	1910	2970
MAX. TD FUSE/BREAKER	A	30	40
POWER AND COMMUNICATION CABLE	No. x AWG	4 x 14AWG	4 x 14AWG
REFRIGERATION SYSTEM			
REFRIGERANT		R410A	R410A
COMPRESSOR TYPE		Twin Rotary	Twin Rotary
CONNECTIONS		Flare	Flare
LIQUID LINE O.D.	in	3/8	3/8
SUCTION LINE O.D.	in	5/8	5/8
FACTORY PRECHARGE	ft	25	25
REFRIGERANT CHARGE	oz	71	120
MIN./MAX. LINE LENGTH	ft	25~164	25~246
MAX. HEIGHT DIFFERENCE	ft	98	98
DIMENSIONS & WEIGHT			
INDOOR UNIT			
W X H X D	in	33-1/16 x 8-1/16 x 33-1/16	33-1/16 x 11-3/8 x 33-1/16
NET WEIGHT	lbs	45	54
SHIPPING WEIGHT	lbs	58	65
INDOOR UNIT GRILLE** W X H X D	in	37-3/8 x 15/16 x 37-3/8	37-3/8 x 15/16 x 37-3/8
INDOOR UNIT GRILLE** NET WEIGHT	lbs	11	11
OUTDOOR UNIT			
W X H X D	in	37-7/16 x 32-7/8 x 13	37-13/32 x 54-3/8 x 13
NET WEIGHT	lbs	132	203
SHIPPING WEIGHT	lbs	146	227
TOTAL NET WEIGHT	lbs	178	257
TOTAL SHIPPING WEIGHT	lbs	203	293

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.

*System meets ENERGY STAR® published minimums. **Models require grille. Sold separately.

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

SINGLE ZONE • THE INSIDER® CONCEALED DUCTED HEAT PUMPS

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

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 (ESP)
  - 24,000 (0.1 – 0.78) WC
  - 36,000 (0.15 – 0.6) WC



Operates in extreme conditions

- Built-in low ambient standard, down to 5°F (Cooling mode)
- Low ambient operation down to -4°F (Heating mode)



WIRED WALL CONTROLLER



MR24UY3J



MR36UY3J

DIAMONDGOLD Advanced Corrosion Protection™ | PRECISION INVERTER® | 5 YR. PARTS WARRANTY | 7 YR. COMPRESSOR WARRANTY

PRO SERIES SPECIFICATIONS

PERFORMANCE RATINGS		Single Zone - The Insider™ Concealed Ducted Heat Pumps	
SYSTEM MODEL NO.		D24YJ	D36YJ
INDOOR MODEL		MD24Y3J	MD36Y3J
OUTDOOR MODEL		MR24UY3J	MR36UY3J
SPECIFICATIONS			
CAPACITY COOLING (RATED)	Btu	24,000	36,000
CAPACITY COOLING (MIN~MAX)	Btu	9,700~26,700	16,000~41,400
CAPACITY HEATING @47°F (RATED)	Btu	27,000	40,000
CAPACITY HEATING @17°F (RATED)	Btu	17,600	24,600
CAPACITY HEATING (MIN~MAX)	Btu	10,900~30,000	17,500~48,000
COOLING AMPS		15.1	20.8
HEATING AMPS		15.1	21.4
SENSIBLE HEAT RATIO		.68	.67
SEER		17.0	17.6
EER		12.0	12.1
COP	.	2.84	2.78
HSPF		10.0	9.2
ENERGY STAR		No	No
MOISTURE REMOVAL	Pts/h	7.0	10.6
AIRFLOW (LOW, MED, HIGH)	CFM	530 / 618 / 688	706 / 953 / 1,130
SOUND RATING - INDOOR H/M/L	dB(A)	38/36/35	39/38/37
SOUND RATING - OUTDOOR	dB(A)	62	67
OPERATING RANGE (COOLING)	°F	5~118	5~118
OPERATING RANGE (HEATING)	°F	-4~64	-4~64
EST. YEARLY OPERATING COST	$	180	268
ELECTRICAL DATA			
POWER SOURCE		208/230/60/1	208/230/60/1
MINIMUM AMPACITY	A	18.1	24.5
COOLING WATTS	W	2000	2910
MAX. TD FUSE/BREAKER	A	30	40
POWER AND COMMUNICATION CABLE	No. x AWG	4 x 14AWG	4 x 14AWG
REFRIGERATION SYSTEM			
REFRIGERANT		R410A	R410A
COMPRESSOR TYPE		Twin Rotary	Twin Rotary
CONNECTIONS		Flare	Flare
LIQUID LINE O.D.	in	3/8	3/8
SUCTION LINE O.D.	in	5/8	5/8
FACTORY PRECHARGE	ft	25	25
REFRIGERANT CHARGE	oz	71	120
MIN./MAX. LINE LENGTH	ft	25~164	25~246
MAX. HEIGHT DIFFERENCE	ft	98	98
DIMENSIONS & WEIGHT			
INDOOR UNIT			
W X H X D	in	46-9/16 x 11-3/4 x 17-3/4	48-1/2 x 15 x 23-1/4
NET WEIGHT	lbs	73	125
SHIPPING WEIGHT	lbs	95	139
OUTDOOR UNIT			
W X H X D	in	37-7/16 x 32-7/8 x 13	37-7/16 x 54-3/8 x 13
NET WEIGHT	lbs	132	203
SHIPPING WEIGHT	lbs	146	227
TOTAL NET WEIGHT	lbs	205	327
TOTAL SHIPPING WEIGHT	lbs	240	366

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.

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MULTIZONE HEAT PUMP SYSTEMS

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





WIRELESS
REMOTE CONTROL



FPHMR24A3A



FPHMR36A3A

Features

- Precision Inverter® technology (variable speed compressor)
- Fast Pro™ blower wheel assembly for the fastest access for maintenance of any wall-mounted ductless split systems
- Soft start compressor
- BLDC motor
- High efficiency for low 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 5°F (Cooling mode)
- Low ambient operation down to -4°F (Heating mode)
- Low temperature compressor start-up protection

FastPro™ | DIAMONDBLUE Advanced Corrosion Protection® | PRECISION INVERTER® | 5 YR. PARTS WARRANTY | 7 YR. COMPRESSOR WARRANTY

PRO SERIES SPECIFICATIONS

PERFORMANCE RATINGS		Multizone Wall-Mounted - Heat Pumps				
		7k	9k	12k	18k	24k
INDOOR MODEL		FPHMW07A3A	FPHFW09A3A	FPHFW12A3A	FPHFW18A3A	FPHFW24A3A
SPECIFICATIONS						
CAPACITY COOLING (RATED)	Btu	7,000	9,000	12,000	18,000	24,000
CAPACITY HEATING (RATED)	Btu	8,500	9,500	13,000	19,000	24,200
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, Ø, Hz	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
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	
		24k	36k
OUTDOOR MODEL		FPHMR24A3A	FPHMR36A3A
SPECIFICATIONS			
POWER SOURCE		208~230/60/1	208~230/60/1
EST. YEARLY OPERATING COST	$	$172	$259
RUNNING CURRENT COOLING RATED	A	8.7	11
RUNNING CURRENT HEATING RATED	A	8.7	13
POWER INPUT COOLING MIN. – RATED – MAX.	W	1920 (420~2640)	2520(700~5000)
POWER INPUT HEATING MIN. – RATED – MAX.	W	1920 (420~4020)	3060(600~6000)
POWER AND COMMUNICATION CABLE	No. x AWG	4 x 14AWG	4 x 14AWG
DIMENSIONS W x H x D	in	37 3/8 x 33 x 13 3/8	37 3/8 x 41 3/8 x 13 3/8
NET WEIGHT	lbs	159	186
SHIPPING WEIGHT	lbs	170	216
REFRIGERATION SYSTEM			
REFRIGERANT		R410A	R410A
FACTORY PRECHARGE	oz	81.13	105.82
LIQUID LINE O.D.	in	1/4	1/4
SUCTION LINE O.D.	in	3/8	3/8
MIN./MAX. LINE LENGTH (EACH)	ft	66	66
MIN./MAX. LINE LENGTH (TOTAL)	ft	197	197
MAX. HEIGHT DIFFERENCE	ft	49	49
SOUND PRESSURE LEVEL COOLING	A	59	59
SOUND PRESSURE LEVEL HEATING	A	59	59
OPERATING RANGE COOLING	°F DB	14~114.8	14~114.8
OPERATING RANGE HEATING	°F WB	-13~75.2	-13~75.2
MINIMUM AMPACITY	A	30A	30A
MAX. TD FUSE/BREAKER	A	45A	45A

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 • CEILING CASSETTE HEAT PUMPS

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



Low profile indoor unit is recessed into the ceiling for a clean look and greater clearance.

NOTE: Grilles are sold separately.

Features

- 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
- Evaporator frost control
- 24-hour on/off timer
- Auto restart
- Auto changeover
- Temperature display on remote
- Ultra-quiet turbo fan
- DiamonBlue Advanced Corrosion Protection®
- Clean, modern look
- Flexible installation
- ENERGY STAR® qualified models
- Precise air distribution
- Capable of branch duct to adjacent closet or bathroom

Operates in extreme conditions

- Built-in low ambient standard, down to 14°F (Cooling mode)
- Low ambient operation down to -13°F (Heating mode)



FPHMR24A3A



FPHMR36A3A

DIAMONDBLUE Advanced Corrosion Protection®

PRECISION INVERTER®

5 YR. PARTS WARRANTY

7 YR. COMPRESSOR WARRANTY

PRO SERIES SPECIFICATIONS

PERFORMANCE RATINGS		Multizone Cassette - Heat Pumps			
		9k	12k	18k	24k
INDOOR MODEL		FPHFC09A3A	FPHFC12A3A	FPHFC18A3A	FPHFC24A3A
SPECIFICATIONS					
CAPACITY COOLING (RATED)	Btu	9,000	12,000	18,000	24,000
CAPACITY HEATING (RATED)	Btu	10,200	13,500	20,400	27,000
MOISTURE REMOVAL	Pts/h	1.9	2.5	3.2	5.0
AIRFLOW (HIGH)	CFM	306	471	559	1100
SOUND RATING (MAX.-MIN.)	dB-A	40/28	40/28	40/28	40/28
ELECTRICAL DATA					
POWER SOURCE		208/230/60/1	208/230/60/1	208/230/60/1	208/230/60/1
POWER AND COMMUNICATION CABLE	No. x AWG	4 x 14AWG	4 x 14AWG	4 x 14AWG	4 x 14AWG
REFRIGERATION SYSTEM					
CONNECTIONS		Flare	Flare	Flare	Flare
LIQUID LINE O.D.	in	1/4	1/4	1/4	3/8
SUCTION LINE O.D.	in	3/8	3/8	1/2	5/8
DIMENSIONS & WEIGHT					
W X H X D	in	22 7/16 x 8 7/16 x 22		33 x 9 3/4 x 33	
NET WEIGHT	lbs	31.9	34	61.8	59.5
SHIPPING WEIGHT	lbs	38.5	40.7	81.6	79.5
PACKAGE DIMENSIONS W X H X D	in	28 3/4 x 11 1/2 x 26		39 1/4 x 37 1/16 x 14	39 1/4 x 37 1/16 x 14 9/16

PERFORMANCE RATINGS		Multi Outdoor	
		24k	36k
OUTDOOR MODEL		FPHMR24A3A	FPHMR36A3A
SPECIFICATIONS			
POWER SOURCE		208~230/60/1	208~230/60/1
EST. YEARLY OPERATING COST	$	$172	$259
RUNNING CURRENT COOLING RATED	A	8.7	11
RUNNING CURRENT HEATING RATED	A	8.7	13
POWER INPUT COOLING MIN. – RATED – MAX.	W	1920 (420~2640)	2520 (700~5000)
POWER INPUT HEATING MIN. – RATED – MAX.	W	1920 (420~4020)	3060 (600~6000)
POWER AND COMMUNICATION CABLE	No. x AWG	4 x 14AWG	4 x 14AWG
DIMENSIONS W x H x D	in	37 3/8 x 33 x 13 3/8	37 3/8 x 41 3/8 x 13 3/8
NET WEIGHT	lbs	159	186
SHIPPING WEIGHT	lbs	170	216
REFRIGERATION SYSTEM			
REFRIGERANT		R410A	R410A
FACTORY PRECHARGE	oz	81.13	105.82
LIQUID LINE O.D.	in	1/4	1/4
SUCTION LINE O.D.	in	3/8	3/8
MIN./MAX. LINE LENGTH (EACH)	ft	66	66
MIN./MAX. LINE LENGTH (TOTAL)	ft	197	197
MAX. HEIGHT DIFFERENCE	ft	49	49
SOUND PRESSURE LEVEL COOLING	A	59	59
SOUND PRESSURE LEVEL HEATING	A	59	59
OPERATING RANGE COOLING	°F DB	14~114.8	14~114.8
OPERATING RANGE HEATING	°F WB	-13~75.2	-13~75.2
MINIMUM AMPACITY	A	30A	30A
MAX. TD FUSE/BREAKER	A	45A	45A

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.

Models require grille. Sold separately.

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

MULTI ZONE • THE INSIDER® CONCEALED DUCTED HEAT PUMPS

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



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)
  - 9,000 (0.1 – 0.6) WC
  - 12,000 (0.1 – 0.6) WC
  - 18,000 (0.1 – 0.6) WC

Operates in extreme conditions

- Built-in low ambient standard, down to 5°F (Cooling mode)
- Low ambient operation down to -13°F (Heating mode)



FPHMR24A3A



FPHMR36A3A

DIAMONDBLUE Advanced Corrosion Protection®

PRECISION INVERTER®

5 YR. PARTS WARRANTY

7 YR. COMPRESSOR WARRANTY

PRO SERIES SPECIFICATIONS

PERFORMANCE RATINGS		Multizone - The Insider™ Concealed Ducted Heat Pumps		
		9k	12k	18k
INDOOR MODEL		FPHFD09A3A	FPHFD12A3A	FPHFD18A3A
SPECIFICATIONS				
CAPACITY COOLING (RATED)	Btu	9,000	12,000	18,000
CAPACITY HEATING (RATED)	Btu	10,000	12,500	19,000
MOISTURE REMOVAL	Pts/h	1.9	3.2	3.2
AIRFLOW	CFM	294	353	529
SOUND RATING (MAX.-MIN.)	dB-A	33/26	34/27	35/31
ELECTRICAL DATA				
POWER SOURCE		208/230, 1, 60	208/230, 1, 60	208/230, 1, 60
POWER AND COMMUNICATION CABLE	No. x AWG	4 x 14AWG	4 x 14AWG	4 x 14AWG
REFRIGERATION SYSTEM				
CONNECTIONS		Flare	Flare	Flare
LIQUID LINE O.D.	in	1/4	1/4	1/4
SUCTION LINE O.D.	in	3/8	3/8	1/2
DIMENSIONS & WEIGHT				
W X H X D	in	35 7/8 x 7 7/16 x 17		46 7/16 x 7 1/2 x 17 1/2
NET WEIGHT	lbs	45.2	45.2	66.2
SHIPPING WEIGHT	lbs	51.8	51.8	77.2

PERFORMANCE RATINGS		Multi Outdoor	
		24k	36k
OUTDOOR MODEL		FPHMR24A3A	FPHMR36A3A
SPECIFICATIONS			
POWER SOURCE		208~230/60/1	208~230/60/1
EST. YEARLY OPERATING COST	$	$172	$259
RUNNING CURRENT COOLING RATED	A	8.7	11
RUNNING CURRENT HEATING RATED	A	8.7	13
POWER INPUT COOLING MIN. – RATED – MAX.	W	1920 (420~2640)	2520(700~5000)
POWER INPUT HEATING MIN. – RATED – MAX.	W	1920 (420~4020)	3060(600~6000)
POWER AND COMMUNICATION CABLE	No. x AWG	4 x 14AWG	4 x 14AWG
DIMENSIONS W x H x D	in	37 3/8 x 33 x 13 3/8	37 3/8 x 41 3/8 x 13 3/8
NET WEIGHT	lbs	159	186
SHIPPING WEIGHT	lbs	170	216
REFRIGERATION SYSTEM			
REFRIGERANT		R410A	R410A
FACTORY PRECHARGE	oz	81.13	105.82
LIQUID LINE O.D.	in	1/4	1/4
SUCTION LINE O.D.	in	3/8	3/8
MIN./MAX. LINE LENGTH (EACH)	ft	66	66
MIN./MAX. LINE LENGTH (TOTAL)	ft	197	197
MAX. HEIGHT DIFFERENCE	ft	49	49
SOUND PRESSURE LEVEL COOLING	A	59	59
SOUND PRESSURE LEVEL HEATING	A	59	59
OPERATING RANGE COOLING	°F DB	5~114.8	5~114.8
OPERATING RANGE HEATING	°F WB	-13~75.2	-13~75.2
MINIMUM AMPACITY	A	30A	30A
MAX. TD FUSE/BREAKER	A	45A	45A

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.

SINGLE ZONE • WALL-MOUNTED HEAT PUMPS

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





WIRELESS
REMOTE CONTROL



Features

- Precision Inverter® technology (variable speed compressor)
- Soft start compressor
- BLDC motor
- High efficiency for low 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

FastPro™ | DIAMONDBLUE Advanced Corrosion Protection® | PRECISION INVERTER® | 5 YR. PARTS WARRANTY | 7 YR. COMPRESSOR WARRANTY

PREMIER SERIES SPECIFICATIONS

PERFORMANCE RATINGS		Single Zone Wall-Mounted - Heat Pumps	
		9k	12k
SYSTEM MODEL NO.		FRHW093	FRHW123
INDOOR MODEL		FRHSW09A3A	FRHSW12A3A
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
COOLING AMPS		2.3	4.6
HEATING AMPS		3.4	4.8
SENSIBLE HEAT RATIO		76%	77%
SEER		28	25
EER		16.1	15.4
HSPF		12.5	12
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	230V~,208V~,60Hz,1P	230V~,208V~,60Hz,1P
MINIMUM AMPACITY	A	10A	12A
COOLING WATTS	W	559	779
HEATING WATTS	W	905	856
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 3/16 x 8 1/2	38 1/8 X 13 1/8 X 9 15/16
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.

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SINGLE ZONE • WALL-MOUNTED HEAT PUMPS

Superb performance and excellent value, you get both at exceptional pricing.



115 volt models
MWM09Y1J, MWM12Y1J



WIRELESS
REMOTE CONTROL

230/208 volt models



MWM18Y3J, MWM24Y3J



MWM36Y3J

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
- 230 volt models will provide cooling in outdoor temperatures down to 5°F



MRM09Y1J, MRM12Y1J



MRM18Y3J, MRM24Y3J, MRM36Y3J



OPTIONAL ACCESSORY FOR FLOATING AIR® SELECT MODELS

DFACC

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

PRECISION INVERTER® | 5YR. PARTS WARRANTY | 5YR. COMPRESSOR WARRANTY

SELECT SERIES SPECIFICATIONS

PERFORMANCE RATINGS		115 volt models		230/208 volt models		
SYSTEM MODEL NO.		MM09YJ	MM12YJ	MM18YJ	MM24YJ	MM36YJ
INDOOR MODEL		MWM09Y1J	MWM12Y1J	MWM18Y3J	MWM24Y3J	MWM36Y3J
OUTDOOR MODEL		MRM09Y1J	MRM12Y1J	MRM18Y3J	MRM24Y3J	MRM36Y3J
SPECIFICATIONS						
CAPACITY COOLING (RATED)	Btu	9000	11800	18000	22000	33600
CAPACITY COOLING MIN - MAX	Btu	3500~11000	3300~12500	4500~21000	6400~24000	7404~35997
COOLING AMPS		9.00	15.00	7.85/7.10	11.50/10.50	17.0/17.0
HEATING AMPS		9.50	15.5	11.77/10.65	12.80/13.00	16.5/16.5
SENSIBLE HEAT RATIO		0.79	0.73	0.77	0.77	0.75
CAPACITY HEATING (RATED) @ 47°F	Btu	9800	13000	19200	24200	34600
CAPACITY HEATING MIN - MAX	Btu	2500~11000	3400~13500	4000~23000	4100~26600	14979~35997
CAPACITY HEATING (RATED) @ 17°F	Btu	5400	8500	13500	18600	20200
HSPF		8.6	8.6	8.5	8.5	9.0
SEER		16.0	16.0	16.0	16.0	18.0
EER		12.0	9.4	11.0	10.0	8.20
MOISTURE REMOVAL	Pts/h	1.69	2.96	3.80	4.50	7.40
AIRFLOW (HIGH/MED/LOW/QUIET)	CFM	330/277/224/188	341/288/235/200	471/400/330/271	588/441/306/206	736/647/530/412
SOUND RATING - INDOOR (HIGH/MED/LOW/QUIET)	dB-A	41/37/35/32	43/39/35/32	48/43/38/34	49/43/39/34	54/49/44/37
SOUND RATING - OUTDOOR	dB-A	53	55	56	53	65
OPERATING RANGE (HEATING)	°F	5-75	5-75	5-75	5-75	-4-75
OPERATING RANGE (COOLING)	°F	32*-113	32*-113	5-118	5-115	0~109
EST. YEARLY OPERATING COST	U.S. $	$67	$113	$146	$198	$368
ELECTRICAL DATA						
POWER SOURCE	V/Hz/Phase	115/60/1	115/60/1	208/230/60/1	208/230/60/1	208/230/60/1
MIN. AMPACITY	A	13	15	15	16	24
COOLING WATTS	W	750	1260	1620	2200	4100
HEATING WATTS	W	830	1320	2400	2800	3800
MAX. TD FUSE/BREAKER	A	20	25	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"	1/2"	5/8"
REFRIGERANT CHARGE	oz.	35.3	35.3	45.8	54.7	91.7
FACTORY PRECHARGE	ft	24.6	24.6	24.6	24.6	24.6
MIN. / MAX. LINE LENGTH	ft	7 / 65	7 / 65	10 / 82	10 / 82	98
MAX. HEIGHT DIFFERENCE	ft	32	32	32	32	32
DIMENSIONS & WEIGHT						
INDOOR UNIT						
W x H x D	in	30"× 11"× 8"		34"× 12"× 8"	39 11/16"× 12 3/8"× 8"	53"x 13"x 10"
NET WEIGHT	lbs	19	19	26	33	42
SHIPPING WEIGHT	lbs	25	25	35	44	52
OUTDOOR UNIT						
W x H x D	in	33 3/8"× 24 1/4"× 12 5/8"		37 5/8"x 27 5/8"x 15 5/8"		38 1/4"x 31"x 17"
NET WEIGHT	lbs	68	68	106	115	161
SHIPPING WEIGHT	lbs	77	77	117	126	172
TOTAL NET WEIGHT	lbs	87	87	132	148	203
TOTAL SHIPPING WEIGHT	lbs	102	102	152	170	224

*Capacity is reduced as 32 degrees Fahrenheit is approached.
Due to continuing research in new energy-saving technology, specifications are subject to change without notice.
All Friedrich ductless split products require a licensed contractor for installation.

MULTIZONE SEER, HSPF RATINGS

Model Number	AHRI Reference Number	IndoorType	System Capacity	EER	SEER	High Heat 47°F	HSPF	Low Heat 17°F
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

ACCESSORIES

REFRIGERATION LINE SETS

Kit#	Length (ft.)	Liquid	Suction	System Model		
T32150	15'	1/4"	3/8"	FPHW091	FPHW093	MM09YJ
				FPHW121	FPHW123	MM12YJ
T32350	35'	1/4"	3/8"	FPHMR24A3A	FRHW123	MM09YJ
				FPHMR36A3A	FRHW093	MM12YJ
T42150	15'	1/4"	1/2"	FPHW183		MM18YJ
T42350	35'	1/4"	1/2"			MM24YJ
T52150	15'	1/4"	5/8"			MM36YJ
T52350	35"	1/4"	5/8"			
T53150	15'	3/8"	5/8"	FPHW243	C24YJ	
T53350	35'	3/8"	5/8"	D24YJ	C36YJ	
				D36YJ		
T63150	15'	3/8"	3/4"	FPHW363		
T63350	35'	3/8"	3/4"			

CONTROLLER

FPWC1

Wired wall controller option for Floating Air Premier and Pro Single/Multizone



CEILING CASSETTE GRILLES (REQUIRED ACCESSORY)

Required decorative grille for ceiling cassette models

Decorative Grille	
FPCG0912	FPCG182436
FPHFC09A3A, FPHFC12A3A	FPHFC18A3A, FPHFC24A3A

Decorative Grille	
DCG2436	
MC24Y3J	MC36Y3J

REFRIGERATION LINE SETS MIN./MAX. LENGTHS

Floating Air® Pro		
System Model	Min. (ft.)	Max. (ft.)
FPHW091	10	50
FPHW121	10	50
FPHW093	10	50
FPHW123	10	50
FPHW183	10	66
FPHW243	10	66
FPHW363	10	66
C24YJ	25	164
C36YJ	25	246
D24YJ	25	164
D36YJ	25	246
FPHMR24A3A	25	66
FPHMR36A3A	25	66
Floating Air® Premier		
System Model	Min. (ft.)	Max. (ft.)
FRHW123	10	66
FRHW093	10	66
Floating Air® Select		
System Model	Min. (ft.)	Max. (ft.)
MM09YJ	10	66
MM12YJ	10	66
MM18YJ	10	82
MM24YJ	10	82
MM36YJ	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

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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