



FRIEDRICH

1883



DUCTLESS SPLIT SYSTEMS

ALL NEW LINE



THE EXPERTS IN ROOM AIR CONDITIONING

ALL-NEW, 16.0 SEER wall-mounted ductless
Fully-featured inverter line at attractive price points



Inverter variable capacity advantages

Inverter technology varies the compressor speed and the outdoor and indoor fan speeds, eliminating constant compressor start-ups/shut-downs that traditional systems require to maintain the temperature set point.

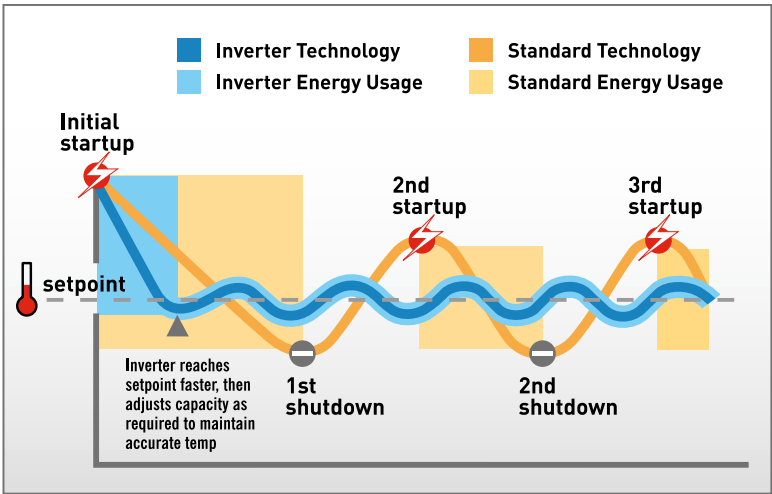
The system can adjust capacity and cooling output to provide only the amount of cooling needed at a given time. The result is optimal comfort with low energy costs.

Zero duct loss

The DOE reports that 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.

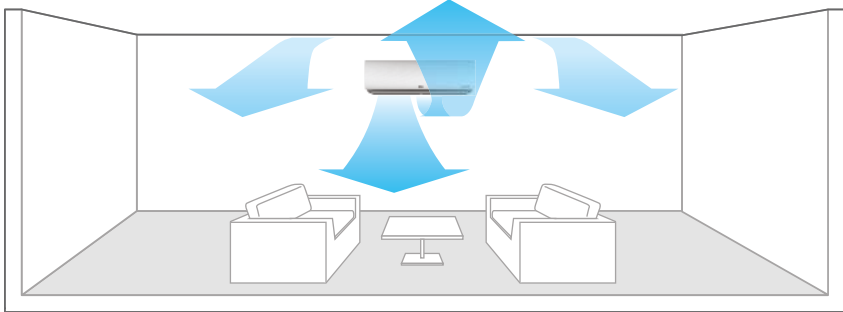
No dirty air ducts

Now 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.



Superior to traditional HVAC systems

TRADITIONAL SYSTEM	INVERTER SYSTEM
At initial start up, 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 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.	



Continuous Air Sweep

The indoor unit's up/down air swing quickly disperses cool air to all four corners of the room to provide comfort throughout the room within a few minutes.



115 volt
MM09YJ
9000 Btu cooling
9800 Btu heating
MM12YJ
11800 Btu cooling
13000 Btu heating



230/208 volt
MM18YJ
18000 Btu cooling
23000 Btu heating
MM24YJ
22000 Btu cooling
26600 Btu heating



Comfort & Convenience

- All models offer heating and cooling capabilities
- Inverter technology is more energy efficient and can self-adjust capacity to match cooling needs
- Multiple operating modes including: AUTO, COOL, DRY (dehumidification), 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
- Auto-restart after power interruptions
- Auto-shut flaps close when unit is off for a sleeker appearance
- Washable, long-life, antimicrobial air filters
- 230 volt models provide cooling in outdoor temperatures down to 5° F
- 4 different transmitter codes to prevent unintentional interference with nearby units



Floating Air Ductless Split Systems

2014 Mid-Tier PERFORMANCE RATINGS					
SYSTEM MODEL NO.		MM09YJ	MM12YJ	MM18YJ	MM24YJ
INDOOR MODEL		MWM09Y1J	MWM12Y1J	MWM18Y3J	MWM24Y3J
OUTDOOR MODEL		MRM09Y1J	MRM12Y1J	MRM18Y3J	MRM24Y3J
CAPACITY COOLING (RATED)	Btu	9000	11800	18000	22000
CAPACITY COOLING MIN - MAX	Btu	3500~11000	3300~12500	4500~21000	6400~24000
COOLING AMPS		9.00	15.00	7.85/7.10	11.50/10.50
HEATING AMPS		9.50	15.5	10.60/11.80	12.80/13.00
SENSIBLE HEAT RATIO		0.79	0.73	0.77	0.77
CAPACITY HEATING (RATED) @ 47°F	Btu	9800	13000	19200	24200
CAPACITY HEATING MIN - MAX	Btu	2500~11000	3400~13500	4000~23000	4100~26600
CAPACITY HEATING (RATED) @ 17°F	Btu	5400	8500	12000	18600
HSPF		8.6	8.6	8.5	8.5
SEER		16.0	16.0	16.0	16.0
EER		12.0	9.4	11.0	10.0
ENERGY STAR		Y	N	N	N
MOISTURE REMOVAL	Pts/h	1.69	2.96	3.80	4.50
AIRFLOW (HIGH/MED/LOW/QUIET)	CFM	330/277/224/188	341/288/235/200	471/400/330/271	588/441/306/206
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
SOUND RATING - OUTDOOR	dB-A	53	55	56	53
OPERATING RANGE (HEATING)	°F	5-75	5-75	-4-75	19-75
OPERATING RANGE (COOLING)	°F	32*-113	32*-113	5-118	5-115
EST. YEARLY OPERATING COST	U.S. \$	67	113	146	198
ELECTRICAL DATA					
POWER SOURCE	V/Hz/Phase	115/60/1	115/60/1	208/230/60/1	208/230/60/1
MIN. AMPACITY	A	13	15	15	16
COOLING WATTS	W	750	1260	1620	2200
HEATING WATTS	W	830	1320	2400	2800
MAX. TD FUSE/BREAKER	A	20	25	25	25
REFRIGERATION SYSTEM					
REFRIGERANT		R410A	R410A	R410A	R410A
COMPRESSOR TYPE		Inverter	Inverter	Inverter	Inverter
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"	1/2"	1/2"
REFRIGERANT CHARGE	oz.	35.3	35.3	45.8	54.7
FACTORY PRECHARGE	ft	24.6	24.6	24.6	24.6
MAX. LINE LENGTH	ft	65	65	82	82
MAX. HEIGHT DIFFERENCE	ft	32	32	32	32
DIMENSIONS & WEIGHT					
INDOOR UNIT					
L X W X H	in	33 5/16"×13 9/16"×10 7/8"	33 5/16"×13 9/16"×10 7/8"	37 5/16"×15 1/8"×12 3/16"	42 3/8"×15 11/16"×12 15/16"
NET WEIGHT	lbs	19	19	26	33
SHIPPING WEIGHT	lbs	25	25	35	44
OUTDOOR UNIT					
L X W X H	in	34 11/16"×14 5/16"×23 7/16"	34 11/16"×14 5/16"×23 7/16"	40 9/16"×18 1/16"×29 9/16"	40 9/16"×18 1/16"×29 9/16"
NET WEIGHT	lbs	68	68	106	115
SHIPPING WEIGHT	lbs	77	77	117	126
TOTAL NET WEIGHT	lbs	87	87	132	148
TOTAL SHIPPING WEIGHT	lbs	102	102	152	170

*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.



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