

- HIGH EFFICIENCY
- MINI SPLIT HEAT PUMPS

Inverter



Comfort
at it's best !



MINI SPLIT HEAT PUMPS



INVERTER up to 24 SEER

Model MS11M

Contemporary indoor unit

-  3D AIR SWEEP
-  HEATS UP TO -25°C
COOLS UP TO 0°C
-  REFRIGERANT LEAK DETECTION

Comfort-related features:

- Easy-to-use infrared remote control unit
 - Quiet, three-speed fans
 - Louver position memory function
 - Auto pivot air sweep
 - Reusable, washable filters for quick and easy maintenance
- R410A refrigerant meets industry standards and protects environment
- Digital display on unit ensures optimal operation



Compact and quiet outdoor unit

Remote Control Unit

- 1 - MODE :**
Auto – Cool – Heat – Dry – Fan.
Cycles through the different modes at each press of the button.
- 2 - FAN SPEED :**
Chooses the fan speed in 4 steps; Auto, Low, Medium, High.
- 3- SLEEP :**
Adjusts the temperature and maintains it for 5 hours before shutting down.
- 4 - TURBO :**
Allows the fan to operate at high speed to reach the set temperature faster.
- 5- LED :**
Allows to display or not the information in the display window.

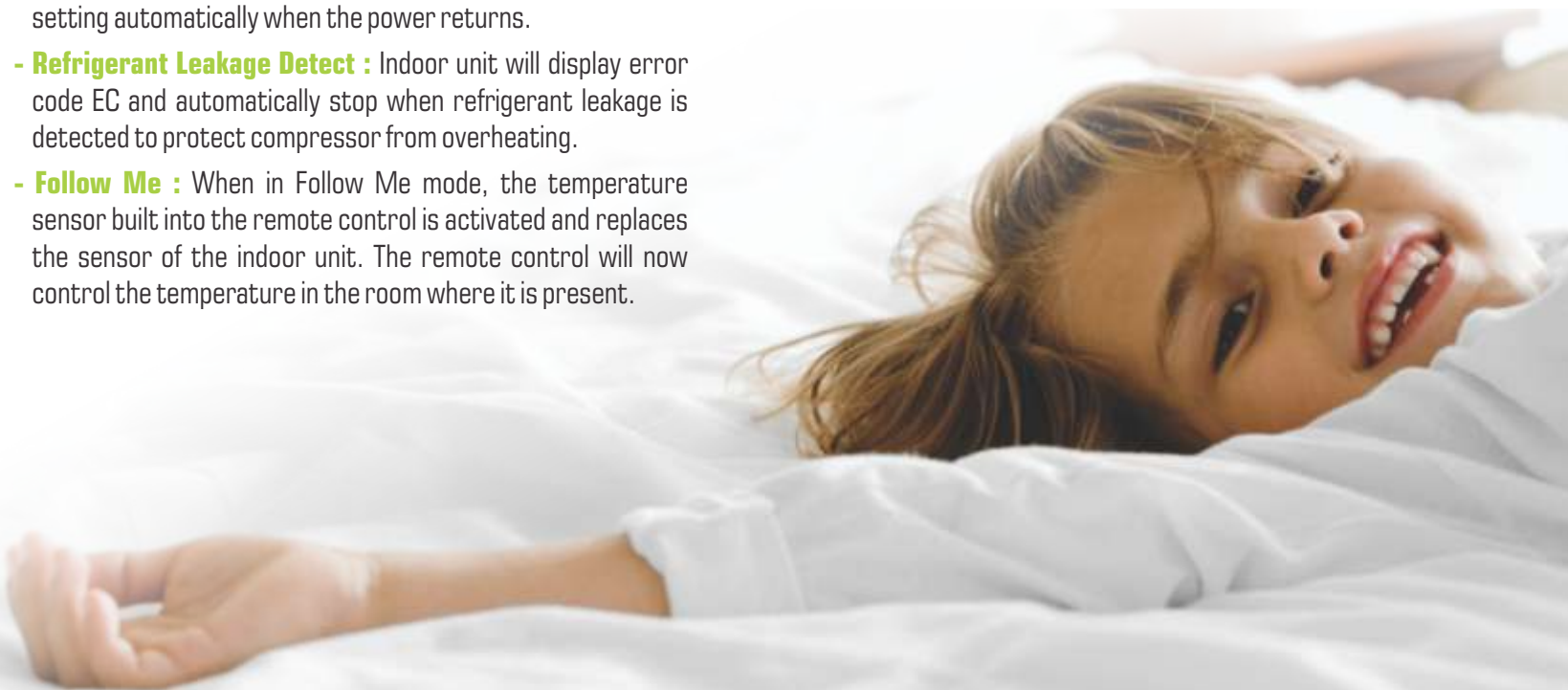
- 6 - TEMP:**
Sets the desired temperature up or down.
- 7 - SHORTCUT:**
Sets current settings or returns to previous settings.
- 8 - TIMER:**
Sets the start and stop time of the HP in increments of 30 minutes.
- 9 - SWING:**
Adjusts the angle of the louvers to direct the air where you want it.
- 10 - FOLLOW-ME:**
Starts the thermostatic function Follow-Me and displays actual temperature of room and adjusts it according to set temperature.



EACH DIRECT AIR
MINI-SPLIT HEAT PUMP SYSTEM
COMES WITH THESE STANDARD FEATURES:



- **Turbo Mode** : This function will heat or cool a room to the desired temperature more rapidly.
- **Cold Catalyst Filter** : Eliminates VOCs (Volatile Organic Compounds) and other harmful gases as well as odors.
- **Low Ambient Kit** : The air conditioner equipped with the low ambient kit can be used even if the outdoor temperature is as low as 0°C.
- **Energy saving Protection** : When the outdoor temperature reaches -25°C, the unit will turn off by itself to save energy.
- **Auto-restart** : If the unit shuts down unexpectedly due to power outage, it will restart with the previous function setting automatically when the power returns.
- **Refrigerant Leakage Detect** : Indoor unit will display error code EC and automatically stop when refrigerant leakage is detected to protect compressor from overheating.
- **Follow Me** : When in Follow Me mode, the temperature sensor built into the remote control is activated and replaces the sensor of the indoor unit. The remote control will now control the temperature in the room where it is present.
- **3D Ventilation** : Combines an horizontal and a vertical sweep of the ventilation fins for a more uniform air distribution.
- **Bio Filter** : It consists of a specialized biological enzyme that kill bacteria and eliminates the problem of re-pollution.
- **Gold Plated Fins** : The evaporator fins are gold plated so dust and grease deposits will not adhere easily.
- **PTC Heat Strap** : The PTC heat strap prevents the accumulation of snow and ice at the base of the outdoor unit.





MULTI-ZONE FLEXIBILITY

When you need to cool more than one room, you don't have to install a separate system. You can choose our multi-zone models which will heat or cool many rooms by matching **up to 4 indoor units** to different outdoor units. Each system uses an outdoor unit connected to multiple indoor units and each of these indoor units is independently controlled to meet specific comfort needs. No complicated system or control is necessary to heat or cool separate rooms. The temperature setting is simply adjusted with the remote control supplied with each ventilation unit.



■ ■ SPECIFICATIONS HEAT PUMP

Model/Indoor Unit	MS11M-09HRFN1-MX4W	MS11M-12HRFN1-MWOW	MS11M-18HRFN1-MUOW	MS11M-24HRDN1-MTOW
Cooling Capacity Min/Max (Btu/h)	2 050/9 000	4 500/12 000	6 000/18 000	6 500/24 000
Heating Capacity Min/Max (Btu/h)	3 200/11 000	5 000/12 000	6 000/18 000	6 500/24 000
SEER	24,4	23,0	21,0	19,0
EER	15,0	13,5	12,5	12,5
HSPF Region 5	8,0	8,0	7,2	7,2
HSPF Region 4	10,5	10,0	9,5	9,0
Humidity Removal (L/h)	1,0	1,2	1,7	2,5
Air Flow H-M-L (CFM)	425 / 350 / 280	425 / 350 / 280	710 / 560 / 440	850 / 770 / 620
Noise H-M-L (Db)	43/37/27	43/38/28	47/40/31	50/45/40
Width (mm/in)	835 / 32.75	835 / 32.75	990 / 39.0	1 186 / 46.7
Height (mm/in)	280 / 11.0	280 / 11.0	315 / 12.4	340 / 13.4
Depth (mm/in)	198 / 7.75	198 / 7.75	218 / 8.6	258 / 10.2
Weight (Kg/lbs)	8,7 / 19	8,7 / 19	12 / 26,5	18,5 / 40,8
Model/Outdoor Unit				
Model	MOZ-09HFN1-MX4W	MOZ-12HFN1-MWOW	MOF-18HFN1-MUOW	MOG-24HFN1-MTOW
Voltage	208-230V 1Ph/60HZ	208-230V 1Ph/60HZ	208-230V 1Ph/60HZ	208-230V 1Ph/60HZ
Breaker Amp	15	15	20	25
Noise (Db)	57	57	60	60
Width (mm/in)	760 / 30	760 / 30	845 / 33.25	900 / 35.5
Height (mm/in)	590 / 23.25	590 / 23.25	700 / 27.50	860 / 23.75
Depth (mm/in)	285 / 11.25	285 / 11.25	320 / 12.6	315 / 12.4
Weight (Kg/lbs)	33 / 73	33 / 73	46,5 / 102	59 / 130
Line Sets				
Size	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	3/8" - 5/8"
Max Length	82 ft	82 ft	98 ft	98 ft
Max Vertical Distance	33 ft	33 ft	66 ft	66 ft

■ ■ SPECIFICATIONS HEAT PUMP MULTI-ZONE

Model/Indoor Unit		MS11M-09HRFN1-MX4W	MS11M-12HRFN1-MWOW	MS11M-18HRFN1-MUOW
Capacity min/max (Btu/h)		2 050/9 000	4 500/12 000	6 000/18 000
Cooling Capacity min/max (Btu/h)		3 200/9 000	5 000/12 000	6 000/18 000
Heating Air Flow Maximum (cfm)		425 / 350 / 280	425 / 350 / 280	710 / 560 / 440
Noise Level (dB(A))	Hi/Med/Lo	43/37/27	43/37/27	47/40/31
Dimensions (mm)	W*H*D	835x280x198	835x280x198	990x315x218
Dimensions (inches)	W*H*D	33x11x7.75	33x11x7.75	39x12.50x8.50
Weight (kg/lbs)		8 / 18	8,5 / 19	12 / 26
Piping Size (inches)	Liquid - Gas	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2
Model/Outdoor Unit		2 ZONES	3 ZONES	4 ZONES
Model		M20D-18HFN1-M	M30C-30HFN1-M	M40C-36HFN1-M
Capacity min/max (Btu/h)	Cooling	7 000/18 000	7 500/30 000	9 500/36 000
Capacity min/max (Btu/h)	Heating	8 000/19 000	7 500/31 000	9 800/36 000
SEER		21	18.5	16
HSPF Region 5		8,2	8,5	7,6
HSPF Region 4		10,2	10,0	9,1
Refrigerant			R410A	
Voltage			208-230V/1Ph/60HZ	
Breaker A		20	30	40
Noise (Db)		60	63	65
Width (mm/in)		845 / 33.25	900 / 35.50	990 / 39
Height (mm/in)		700 / 27.5	860 / 34.0	965 / 38
Depth (mm/in)		320 / 12.50	315 / 12.50	345 / 13.50
Weight (Kg/lbs)		53.5 / 118	62 / 137	82 / 180
Piping Size (inches)		1/4 - 3/8	1/4 - 3/8	1/4 - 3/8
Max Total Length (ft)		99	150	200
Maximum Height Diff. (ft)		50	50	50

LIMITED WARRANTY

THE MS11M SERIES OF HEAT PUMPS

have a 10 year limited warranty
on the compressor, 5 years
on parts and 5 years on labour.



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To find the nearest Direct Air dealer, please contact the Powrmatic branch of your area

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