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THERMALZONE MS212A13240A Owner's Manual

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13 Seer Ductless Mini-Split Air Conditioning Systems



Indoor Unit is easily mounted on the wall. The quiet operation and sleek design will complement many rooms.

Thermal Zone Ductless Mini-Split Air Conditioning Systems offer an excellent solution when adding duct-work is expensive and cumbersome. The systems are easy to install and only require a 3 inch opening in a wall.



FEATURES:

- 4 Operating Modes -Cooling, Fan, Dehumidifying and Automatic)
- 3 Fan Speeds - Low, Medium, High
- Auto Restart After Power Failure
- Sleep Mode allowing for a gradual change in temperature over a period of time.
- 24 Hour Timer
- Insulated Compressor Jacket
- Wireless Non Communicating Remote Control for convenience and precision control.
- Swing Feature allows for the adjustment of louvers at the push of a button.
- Easy to read LCD display
- Easy to clean removable cover panel and air filter
- Self Diagnostic Capabilities (29 Codes)
- Warranty - 5 Year Compressor/1 Year Parts

Specifications listed on back



IRP - International Refrigeration Products
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www.irproducts.biz



AIR CONDITIONING UNIT SPECIFICATIONS

PERFORMANCE DATA



System Reference #	MS29A13115	MS212A13115	MS212A13240	MS218A13240	MSC424A13230
Function	COOLING	COOLING	COOLING	COOLING	COOLING
Rated Voltage	115	115	208-230	208-230	208-230
Rated Frequency (Hz)	60	60	60	60	60
Cooling/Heating Capacity (BTU)	9,000	12,000	12,000	18,000	24,000
Seer	13	13	13	13	13
Cooling/Heating Power Input (W)	800	960	960	1610	1930
Cooling/Heating Rated Current (A)	7.82	9.56	5	11.4	8.5
Air Flow Volume (CFM)	350	388	483	706	706
Dehumidifying Volume (pt/H)	4.2	4.2	4.2	6.3	4.8
Auto Restart	Yes	Yes	Yes	Yes	Yes
Breaker Size	15	20	15	20	20
Minimum Circuit Ampacity	10	11.6	5.4	10.5	12.5

INDOOR DATA

Indoor Unit Part #	MS29A13115EA	MS212A13115EA	MS212A13240EA	MS218A13240EA	MSC424A13230EA
Fan Motor Speed (r/min)(L/M/H)	1100/1200/1300	1100/1200/1300	1350/1450/1550	1200/1300/1400	1000/1100/1220
Output Of Fan Motor (W)	20	20	20	25	40
Fan Motor RLA(A)	0.17	0.17	0.09	0.4	0.4
Fan Type	Cross Flow	Cross Flow	Cross Flow	Cross Flow	Cross Flow
Evaporator	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube
Output Of Swing Motor(W)	1.5	1.5	1.5	2	1.2
Sound Pressure Level dB(A)(L/M/H)	38/41/45	39/42/46	40/43/47	48/50/52	44/47/49
Sound Power Level dB(A)(L/M/H)	46/50/55	47/51/56	48/52/57	58/60/62	47/50/52
Dimensions(W/D/H) (inches)	36 x 8 x 11	36 x 8 x 11	36 x 8 x 11	46 x 9 x 13	48.6 x 8.9 x 12.8
Air Detection	Automatic	Automatic	Automatic	Automatic	Automatic
Timer (24 Hr Programmable)	On/Off	On/Off	On/Off	On/Off	On/Off
Net Weight (lb.)	26.5	26.5	26.5	38.5	44
Filter	Washable	Washable	Washable	Washable	Washable

OUTDOOR DATA

Outdoor Unit Part #	MS29A13115CA	MS212A13115CA	MS212A13240CA	MS218A13240CA	MSC424A13230CA
Compressor Type	Rotary	Rotary	Rotary	Hermetic	Rotary
L.R.A. (A)	49	54	26	39	46
Compressor RLA (A)	7.5	8.8	4.1	7.6	9.0
Compressor Power Input (W)	855	750	930	1685	1650
Throttling Method	Capillary	Capillary	Capillary	Capillary	Capillary
Outdoor Operating Range (°F)	23 to 109	23 to 109	23 to 109	23 to 109	23 to 109
Condenser	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube
Fan Motor Speed (rpm)	885	885	920	780	780
Output of Fan Motor (w)	48	48	48	60	60
Fan Motor RLA (A)	0.42	0.42	0.22	0.56	0.7
Air Flow Volume	1265	1265	1265	1265	1913
Fan Type	Axial	Axial	Axial	Axial	Axial
Defrosting Method	Auto	Auto	Auto	Auto	Auto
Sound Pressure Level dB(A)	55	55	55	58	60
Sound Power Level dB(A)	65	65	65	68	68
Dimensions(W/D/H) (inches)	33 x 13 x 21	33 x 13 x 21	33 x 13 x 21	40 x 13 x 33	35.4 x 13 x 33
Net Weight (lb.)	86	88	88	139	143
Refrigerant Charge (lb)	R22/2.2	R22/2.75	R22/2.75	R22/3.63	410A/5.3

CONNECTION PIPE

Design Length Ft	26.25	26.25	26.25	24.6	24.6
Design Pressure High/Low (PSIG)	362/145	362/145	362/145	362/145	594/160
Extra Refrigerant Charge Per Feet					
Above Design Length (oz/ft)	.32	.32	.32	.43	0.5
Outer Diameter Liquid Pipe (in)	1/4	1/4	1/4	3/8	3/8
Outer Diameter Gas Pipe (in)	1/2	1/2	1/2	5/8	5/8
Max Distance Height (ft)	16	16	16	32	16.4
Max Distance Length (ft)	32	32	32	49	50
Installation Kit Part Number	2432-1412	2432-1412	2432-1412	2432-3858	24323858CTZ

ALL LINE SETS ARE 32 FEET

Not designed to operate under 28°F without low ambient control.