

Air Conditioning Unit Specifications

IRP NUMBER	240-1360	240-2001	240-1361	240-2002	240-1362	240-1363	240-2003	240-2004	240-2006
System Reference #	MS29A13115A	MSC49A14115B	MS212A13115A	MSC412A14115B	MS212A13240A	MS218A13240A	MSC418A14230B	MSC424A13230A	MSC424A14230B
Function	Cooling	Cooling	Cooling	Cooling	Cooling	Cooling	Cooling	Cooling	Cooling
Rated Voltage	115	115	115	115	208-230	208-230	208-230	208-230	208-230
Rated Frequency (Hz)	60	60	60	60	60	60	60	60	60
Cooling/Heating Capacity (BTU)	9,000	9,000	12,000	12,000	12,000	18,000	18,000	24,000	24,000
Seer	13	14	13	14	13	13	13	13	13
Cooling/Heating Power Input (W)	800	770	960	770	960	1610	1460	1930	1930
Cooling/Heating Rated Current (A)	7.82	7.2	9.56	1010	5	11.4	6.4	8.5	8.5
Air Flow Volume (CFM)	350	294	388	470	483	706	618	736	736
Dehumidifying Volume (pt/H)	4.2	1.1	4.2	2.6	4.2	6.3	3	2.67	2.67
Auto Restart	yes	yes	yes	yes	yes	yes	yes	yes	yes
Breaker Size	15	15	20	20	15	20	15	20	20
Minimum Circuit Ampacity	10	10.6	11.6	14	5.4	10.5	9.5	13.8	13.8

INDOOR DATA

Indoor Unit Part #	MS29A13115EA	MSC49A14115EB	MS212A13115EA	MSC412A14115EB	MS212A13240EA	MS218A13240EA	MSC418A14230EB	MSC424A13230EA	MSC424A14230EB
Fan Motor Speed (r/min)/L/M/H	1100/1200/1300	950/1150/1300	1100/1200/1300	1000/1100/1200	1350/1450/1550	1200/1300/1400	1050/1200/1350	1000/1100/1220	1000/1100/1220
Output of Fan Motor (W)	20	16	20	16	20	25	30	40	40
Fan Motor RLA(A)	0.17	1.4 (FLA)	0.17	1.9 (FLA)	0.09	0.4	1.6 (FLA)	0.4	0.4
Fan Type	Cross Flow	Cross Flow	Cross Flow	Cross Flow	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	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube
Output Of Swing Motor (w)	1.5	1.2	1.5	1.2	1.5	2	1.2	1.2	1.2
Sound Pressure Level dB(A)/(L/M/H)	38 / 41 / 45	33 / 38 / 42	39 / 42 / 46	35 / 39 / 45	40 / 43 / 47	48 / 50 / 52	46 / 48 / 50	44 / 47 / 49	44 / 47 / 49
Sound Power Level dB(A)/(L/M/H)	46 / 50 / 55	43 / 48 / 52	47 / 51 / 56	45 / 49 / 55	48 / 52 / 57	58 / 60 / 62	56 / 58 / 60	54 / 57 / 59	54 / 57 / 59
Dimensions(W/D/H) (inches)	35.7 / 7.6 / 11.4	31.5 / 7.5 / 11	35.7 / 7.6 / 11.4	35.5 / 8.5 / 11.5	35.7 / 7.6 / 11.4	46.3 / 8.9 / 12.8	42.5 / 8.9 / 12.1	48.6 / 8.9 / 12.8	48.6 / 8.9 / 12.8
Air Detection	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Timer (24 Hr Programmable)	On/Off	On/Off	On/Off	On/Off	On/Off	On/Off	On/Off	On/Off	On/Off
Net Weight (lb.)	26.5	22	26.5	29	26.5	38.5	35	68	68
Filter	Washable	Washable	Washable	Washable	Washable	Washable	Washable	Washable	Washable

OUTDOOR DATA

Outdoor Unit Part#	MS29A13115CA	MSC49A14115CB	MS212A13115CA	MSC412A14115CB	MS212A13240CA	MS218A13240CA	MSC418A14230CB	MSC424A13230CA	MSC424A14230CB
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
L.R.A. (A)	49	40.3	54	47.3	26	39	32.6	50.4	50.4
Compressor RLA (A)	7.5	7.46	8.8	9.9	4.1	7.6	6.65	9.16	9.16
Compressor Power Input (w)	855	810	750	1085	930	1685	1510	1650	1650
Throttling Method	Capillary	Capillary	Capillary	Capillary	Capillary	Capillary	Capillary	Capillary	Capillary
Outdoor Operating Range (F)	23 to 109	20 to 110	23 to 109	20 to 110	23 to 109	23 to 109	20 to 110	20 to 110	20 to 110
Condenser	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	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	910	885	790	920	780	840	780	780
Output of Fan Motor (w)	48	35	48	45	48	60	60	60	60
Fan Motor RLA (A)	0.42	2.2 (FLA)	0.42	5 (FLA)	0.22	0.56	2.5 (FLA)	0.9	0.9
Air Flow Volume	1265	1059	1265	1471	1265	1265	1765	1912	1912
Fan Type	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial
Defrosting Method	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sound Pressure Level dB(A)	55	53	55	53	55	58	57	60	60
Sound Power Level dB(A)	65	63	65	63	65	68	67	68	68
Dimensions(W/D/H) (inches)	33 / 13 / 21	31.3 / 10 / 21.3	34 / 13 / 21	33.5 / 11.6 / 23.8	35 / 13 / 21	40 / 13 / 33	35.4 / 13 / 33	35.4 / 13 / 33	35.4 / 13 / 33
Net Weight (lbs)	86	70.5	88	79.3	88	139	143	150	150
Refrigerant Charge (lb)	R22 / 2.2	R410A / 1.96	R22 / 2.75	R410A / 2.55	R22 / 2.75	R22 / 3.63	R410A / 4.8	R410A / 5.3	R410A / 5.3

CONNECTION PIPE

Design Length Ft	26.25	24.6	26.25	24.6	26.25	24.6	24.6	24.6	24.6
Design Pressure High/Low (PSIG)	362 / 145	465 / 252	362 / 146	465 / 252	362 / 147	362 / 148	652.5 / 290	445 / 237	445 / 237
Above Design Length (oz/ft)	0.32	0.32	0.32	0.32	0.32	0.43	0.86	0.5	0.86
Outer Diameter Liquid Pipe (in)	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8
Outer Diameter Gas Pipe (in)	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8
Max Distance Height (ft)	16	16.4	16	16.4	16	32	16.4	16.4	16.4
Max Distance Length (ft)	32	49.2	32	49.2	32	49	49.2	50	50
Installation Kit Part Number	2433-1412	2433-1412	2433-1412	2433-1412	2433-1412	2425-3858 / 2450-3858	2425-3858 / 2450-3858	2425-3858 / 2450-3858	2425-3858 / 2450-3858
	line set length - 33 ft	line set length - 33 ft	line set length - 33 ft	line set length - 33 ft	line set length - 33 ft	line set length - 25 or 50 ft	line set length - 25 or 50 ft	line set length - 25 or 50 ft	line set length - 25 or 50 ft