

HEAT PUMP UNIT SPECIFICATIONS

IRP NUMBER	240-3001	240-3007	240-3002	240-3008	240-1372	240-1373	240-3003	240-3004	240-3010
System Reference #	MSC49HP13115A	MSC49HP14115B	MSC412HP13115A	MSC412HP13115B	MS412HP13240A	MS418HP13240A	MSC418HP13230B	MSC424HP13230A	MSC424HP13230B
Function	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Rated Voltage	115	115	115	115	208/230	208/230	208/230	208/230	208/230
Cooling/Heating Capacity (BTU)	9,000/9,000	9,000/9,000	12,000/12,000	12,000/12,000	12,000/13,000	18,000/20,000	18,000/18,000	24,000/24,000	24,000/24,000
Seer	13	14	13	13	13	13	13	13	13
Cooling/heating Power input (W)	770/720	770/770	1010/1000	1010/1010	1550/1250	1720/1750	1480/1480	1930/1820	1930/1800
Cooling/Heating Rated Current (A)	7.2/6.8	7.2/6.8	9.6/9.6	9.6/9.6	7.2/7.6	7.3/8.3	6.5/6.5	8.5/8	8.5/8
Air Flow Volume (CFM)	347	294	382	470	325	470	618	736	736
Dehumidifying Volume (pt/Hr)	1.2	1.1	2.8	2.6	2.7	4.4	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	10.6	10.6	13.91	14	5.5	8.6	9.5	13.8	13.8

INDOOR DATA

Indoor Unit Part #	MSC49HP13115EA	MSC49HP14115EB	MSC412HP13115EA	MSC412HP13115EB	MS412HP13240EA	MS418HP13240EA	MSC418HP13230EB	MSC424HP13230EA	MSC424HP13230EB
Fan Motor Speed (r/min)(L/M/H)	950/1100/1250	950/1150/1300	950/1100/1250	1000/1100/1200	1050/1100/1250	1250/1300/1350	1050/1200/1350	1000/1100/1220	1000/1100/1220
Output Of Fan Motor	16	16	16	21	20	21	20	40	40
Fan Motor RLA(A)	0.35	1.4 (FLA)	0.35	1.9 (FLA)	0.152	0.09	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)	1.2	1.2	1.2	1.2	2	2	1.2	1.2	1.2
Sound Pressure Level dB(A)(L/M/H)	32 / 39 / 44	33 / 38 / 42	32 / 39 / 44	35 / 39 / 45	38 / 39 / 43	40 / 43 / 46	46 / 48 / 50	44 / 47 / 49	44 / 47 / 49
Sound Power Level dB(A)(L/M/H)	42 / 49 / 54	43 / 48 / 52	42 / 49 / 54	45 / 49 / 55	48 / 49 / 53	50 / 53 / 56	56 / 58 / 60	54 / 57 / 59	54 / 57 / 59
Dimensions (W/D/H) (inches)	31.1 / 7.1 / 10.6	31.5 / 7.5 / 11	37.1 / 7.1 / 10.6	35.5 / 8.5 / 11.5	33 / 7 / 10.6	40 / 9 / 12	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.)	20	22	22	29	24	31	35	68	68
Filter	Washable	Washable	Washable	Washable	Washable	Washable	Washable	Washable	Washable

OUTDOOR DATA

Outdoor Unit Part #	MSC49HP13115CA	MSC49HP14115CB	MSC412HP13115CA	MSC412HP13115CB	MS412HP13240CA	MS418HP13240CA	MSC418HP13230CB	MSC424HP13230CA	MSC424HP13230CB
Compressor Type	Rotary	Rotary	Rotary	Rotary	Rotary/Inverter	Rotary/Inverter	Rotary	Rotary	Rotary
L.R.A. (A)	47	40.3	53	47.3	33	27	32.6	50.4	50.4
Compressor RLA (A)	7.5	7.46	9.9	9.9	4	6.5	6.65	9.16	9.16
Compressor Power Input (w)	810	810	1085	1085	628	1266	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)	910	910	790	790	830	780 / 620	840	780	780
Output of Fan Motor (w)	35	35	45	45	30	60	60	60	60
Fan Motor RLA (A)	0.081	2.2 (FLA)	0.8	5 (FLA)	0.3	0.3	2.5 (FLA)	0.9	0.9
Air Flow Volume	1265	1059	1265	1471	1100	1037	1765	1912	1912
Fan Type	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial
Defrosting Method	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Sound Pressure level dB (A)	55	53	55	53	54	56	57	60	60
Sound Power Level dB (A)	65	63	65	63	64	66	67	68	68
Dimensions (W/D/H) (inches)	31.3 / 10 / 21.3	31.3 / 10 / 21.3	33.5 / 11.6 / 23.8	33.5 / 11.6 / 23.8	33 / 13 / 21	37 / 13 / 27	35.4 / 13 / 33	35.4 / 13 / 33	35.4 / 13 / 33
Net Weight (lb.)	73	70.5	86	79.3	99	130	143	150	150
Refrigerant Charge (lb)	R410A / 2.12	R410A / 1.96	R410A / 2.65	R410A / 2.55	R410A / 2.8	R410A / 3.85	R410A / 5.0	R410A / 5.3	R410A / 5.3

CONNECTION PIPE

Design Length Ft.	24.6	24.6	19.2	24.6	19	26	24.6	24.6	24.6
Design Pressure High/Low (PSIG) Extra Refrigerant Charge Per Feet	465 / 252	465 / 252	495 / 252	465 / 252	551 / 174	551 / 174	652.5 / 290	445 / 445	445 / 445
Above Design Length (oz/ft)	0.3	0.32	0.3	0.32	0.21	0.26	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)	16.4	16.4	16.4	16.4	20	31	16.4	16.4	16.4
Max Distance Length (ft)	32.8	49.2	32.8	49.2	39	59	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