

Emerson Climate Technologies
Integrated Products Division



60Hz Air - Cooled Unit Performance

Release Date:05/11/2017

Unit Model: M7JH-H038-IAV-177
Compressor: ARE48C5E-IAV-103
Condenser: 066-0333-04 x 1
Fan Motor: 050-0358-04 x 1
Fan Blade: 083-0122-00 x 1
Unit Dimensions: 14.39``L x 11.45``W x 11.37``H

Refrigerant R-134a
Return Gas Temp. (°F): 65
Subcooling (°F): 5
Air Flow Rate (CFM) 201
Fan Motor Power (Watt): 33
Unit Dwg. No: 496-7140-34

APPLICATION APPROVAL REQUIRED

Performance: 90°F Ambient Air Temperature

Evap. Temp (°F)	Capacity (Btu/hr):	Power (Watts):	EER (Btu/Wh):	Cond. Temp. (°F)	Temp. Diff. (°F)	Refr. Pd. (Psi)
0	1,930	404	4.8	107.1	17.1	0.3
5	2,200	435	5.1	109.2	19.2	0.3
10	2,490	469	5.3	111.5	21.5	0.4
15	2,800	505	5.5	113.9	23.9	0.5
20	3,120	543	5.7	116.5	26.5	0.6
25	3,450	585	5.9	119.2	29.2	0.7
30	3,800	630	6.0	122.0	32.0	0.9
35	4,170	678	6.2	125.1	35.1	1.0
40	4,540	731	6.2	128.2	38.2	1.2
45	4,930	788	6.3	131.5	41.5	1.4

Performance: 100°F Ambient Air Temperature

Evap. Temp (°F)	Capacity (Btu/hr):	Power (Watts):	EER (Btu/Wh):	Cond. Temp. (°F)	Temp. Diff. (°F)	Refr. Pd. (Psi)
0	1,810	414	4.4	116.8	16.8	0.3
5	2,070	447	4.6	118.9	18.9	0.3
10	2,330	483	4.8	121.1	21.1	0.4
15	2,620	521	5.0	123.4	23.4	0.5
20	2,910	562	5.2	125.9	25.9	0.6
25	3,220	605	5.3	128.5	28.5	0.7
30	3,540	653	5.4	131.2	31.2	0.8
35	3,870	704	5.5	134.2	34.2	1.0
40	4,210	759	5.5	137.2	37.2	1.2

Performance 11556

Performance: 110°F Ambient Air Temperature

<u>Evap. Temp</u> (°F)	<u>Capacity</u> (Btu/hr):	<u>Power</u> (Watts):	<u>EER</u> (Btu/Wh):	<u>Cond. Temp.</u> (°F)	<u>Temp. Diff.</u> (°F)	<u>Refr. Pd.</u> (Psi)
20	2,700	580	4.7	135.1	25.1	0.5
25	2,980	626	4.8	137.6	27.6	0.6

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