

Specification Sheet - EM-ME/MF/MG* Packaged Electric Make-Up Air

STANDARD EQUIPMENT

- Models available in 900, 1050, and 1200 CFM
- Voltage - 240/208VAC, single phase or 208VAC, three phase
- WarmFlo® Digital Proportional Element Modulation
- Inlet and outlet digital temperature sensors for precise set points
- Integrated powered inlet damper
- Washable aluminum mesh filter
- Current transformer technology for full interlock with exhaust systems
- Included CT detects LO/MED/HI exhaust fan levels
- Three speeds, auto adjust based on CT input
- Three CT inputs available for multiple fan applications
- Multiple control inputs (i.e. end switches, zone valves, etc.)
- Easy programming for multi-speed kitchen exhaust fans
- Multiple interfacing options to external controls
- Thermostat end switch connection point
- LCD display provides status and temperatures
 - Real time estimated CFM
 - Desired target temperature
 - Incoming and supply temperature
- LO and HI temperature set point ranges, 20°F to 55°F and 60°F to 90°F
- Hi-limits, automatic and manual reset
- Unique design allows for simplified installation
- Listed for horizontal or vertical installation
- Can be easily wall-hung
- Includes chain for suspended installations
- Best in the industry warranty:
 - 20-year finned rod element warranty
 - 2-year parts warranty
- Made in the USA

TEMPERATURE RISE & CFM CHART - Selecting the best model for your application:

- Choose your desired temperature rise (this is the difference between the coldest design day temperature and desired duct air temperature).
- Move across the chart from your desired temperature rise to the CFM required (you may have to select a model with a higher CFM and adjust down to your required CFM at installation).

Example: In an application where your coldest day averages 0° F and you require 50° F duct air, choose 50° F temperature rise. If you require 500 CFM you would select the MD10.

Required Temp Rise	kW →	1	1.6	5	7.2	10	15	20	14.4	21.6
		CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
80° F		39	71	197	277	395	604	790	553	869
70° F		45	81	225	325	451	677	903	632	993
60° F		53	95	260	379	526	790	1053	737	1160
50° F		63	114	316	455	632	948	1264	885	N/A
40° F		79	158	395	568	790	1185	N/A	1130	N/A
30° F		105	168	526	758	1053	N/A	N/A	N/A	N/A

SPECIFICATIONS

Model	kW	Btu/h	Amps	Internal CB	Motor FLA	Motor HP	Phase	Voltage	CFM		Max Fuse/HACR	Duct Connection	Weight
									Max	Static			
EM-ME15-240-1-14	15/11.3	51182/38386	62.5/54.1	60A + 30A	1.5	1/4	1	240/208	900	.50	90	14"	119
EM-ME10-240-1-14	10/7.5	34121/25591	41.7/36.1	N/A	1.5	1/4	1	240/208	900	.50	60	14"	114
EM-ME05-240-1-14	5/3.8	17060/12795	20.8/18.0	N/A	1.5	1/4	1	240/208	900	.50	30	14"	111
EM-ME00-240-1-14	0	0	0	N/A	1.5	1/4	1	240/208	900			14"	100
EM-ME14-208-3-14	14.4	49134	40.0	50A	1.5	1/4	3	208	900	.50	50	14"	117
EM-ME10-208-3-14	9.6	32756	26.6	N/A	1.5	1/4	3	208	900	.50	35	14"	114
EM-ME05-208-3-14	4.8	16378	13.3	N/A	1.5	1/4	3	208	900	.50	20	14"	111
EM-MF15-240-1-14	15/11.3	51182/38386	62.5/54.1	60A + 30A	1.5	1/4	1	240/208	1050	.50	90	14"	119
EM-MF10-240-1-14	10/7.5	34121/25591	41.7/36.1	N/A	1.5	1/4	1	240/208	1050	.50	60	14"	114
EM-MF05-240-1-14	5/3.8	17060/12795	20.8/18.0	N/A	1.5	1/4	1	240/208	1050	.50	30	14"	111
EM-MF00-240-1-14	0	0	0	N/A	1.5	1/4	1	240/208	1050			14"	106
EM-MF14-208-3-14	14.4	49134	40.0	50A	1.5	1/4	3	208	1050	.50	50	14"	117
EM-MF10-208-3-14	9.6	32756	26.6	N/A	1.5	1/4	3	208	1050	.50	35	14"	114
EM-MF05-208-3-14	4.8	16378	13.3	N/A	1.5	1/4	3	208	1050	.50	20	14"	111
EM-MG20-240-1-14	20/15	68242/51182	83.3/72.1	60A + 60A	3.3	1/2	1	240/208	1200	.50	120	14"	131
EM-MG15-240-1-14	15/11.3	51182/38336	62.5/54.1	60A + 30A	3.3	1/2	1	240/208	1200	.50	90	14"	127
EM-MG10-240-1-14	10/7.5	34121/25591	41.7/36.1	N/A	3.3	1/2	1	240/208	1200	.50	60	14"	123
EM-MG05-240-1-14	5/3.8	17060/12795	20.8/18.0	N/A	3.3	1/2	1	240/208	1200	.50	30	14"	120
EM-MG00-240-1-14	0	0	0	N/A	3.3	1/2	1	240/208	1200			14"	116
EM-MG22-208-3-14	21.6	73702	60.0	50A + 30A	3.3	1/2	3	208	1200	.50	80	14"	133
EM-MG14-208-3-14	14.4	49134	40.0	50A	3.3	1/2	3	208	1200	.50	50	14"	117
EM-MG07-208-3-14	7.2	24567	20.0	N/A	3.3	1/2	3	208	1200	.50	25	14"	120



All specifications subject to ELECTRO INDUSTRIES STANDARD TERMS AND CONDITIONS, download at www.electromn.com/terms.pdf.



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Installation Specifications (Reference Installation & Operating Instructions, EI916 or EI917)

This product is designed for zero clearance, but use the following mounting and spacing criteria:

1. Unit can be installed vertically or horizontally. When vertical, inlet must face down.
2. When using CT doughnut, use Class II low voltage wiring methods to connect CT to Make-Up Air unit.
3. Make mounting provisions for a 1" air space at the top.
4. The sides, any location, can be in direct contact with wood framing materials.
5. No materials shall be in contact with the cabinet housing which has a flame point less than wood, 300° F (150° C).
6. Product shall be installed in a conditioned space only.
7. Heating elements are locked out when entering air temperature is > 55° F (12.8° C).

