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

STANDARD EQUIPMENT

- Models available in 900, 1050, 1200, 1600 and 2000 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
- Conforms to: UL STD.UL60335-1/UL60335-2-40
- Certified to: CSA STD.C22.2/#60335-1/#60335-2-40

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

1 Choose your desired temperature rise (this is the difference between the coldest design day temperature and desired duct air temperature).

2 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.

	kW →	1	1.6	5	7.2	10	15	20	14.4	21.6
		CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
Required Temp Rise	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 (continued on next page)

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

Intertek

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

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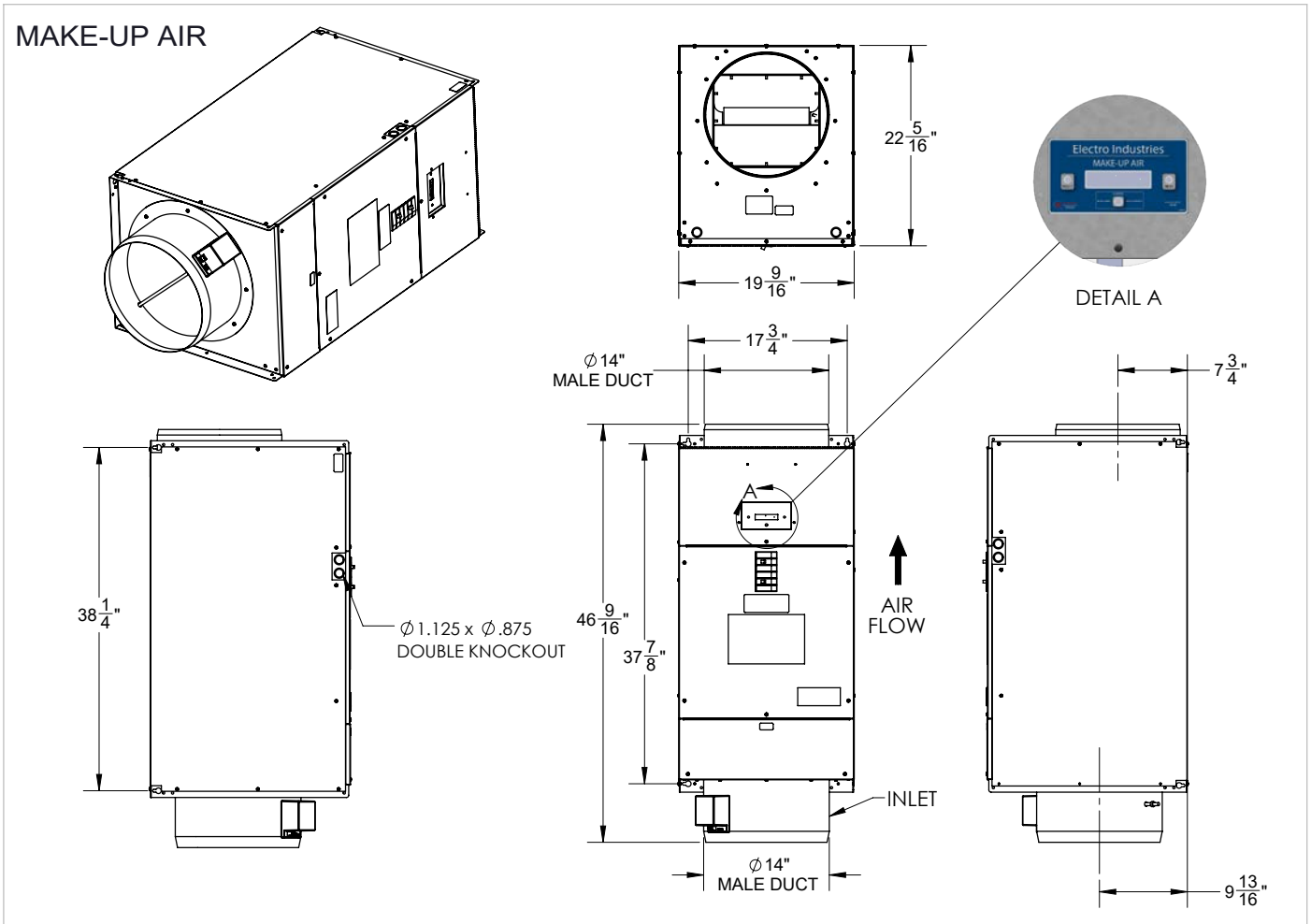
SPECIFICATIONS *(continued from previous page)*

Model	kW	Btu/h	Amps	Internal CB	Motor FLA	Motor HP	Phase	Voltage	CFM		Max Fuse/ HACR	Duct Connection	Weight
									Max	Static			
EM-MH20-240-1-14	20/15	68242/51182	83.3/72.1	60A + 60A	3.3	1	1	240/208	1600	.50	120	14”	131
EM-MH15-240-1-14	15/11.3	51182/38336	62.5/54.1	60A + 30A	3.3	1	1	240/208	1600	.50	90	14”	127
EM-MH10-240-1-14	10/7.5	34121/25591	41.7/36.1	N/A	3.3	1	1	240/208	1600	.50	60	14”	123
EM-MH05-240-1-14	5/3.8	17060/12795	20.8/18.0	N/A	3.3	1	1	240/208	1600	.50	30	14”	120
EM-MH00-240-1-14	0	0	0	N/A	3.3	1	1	240/208	1600			14”	116
EM-MH22-208-3-14	21.6	73702	60.0	50A + 30A	3.3	1	3	208	1600	.50	80	14”	133
EM-MH14-208-3-14	14.4	49134	40.0	50A	3.3	1	3	208	1600	.50	50	14”	117
EM-MH07-208-3-14	7.2	24567	20.0	N/A	3.3	1	3	208	1600	.50	25	14”	120
EM-MI20-240-1-14	20/15	68242/51182	83.3/72.1	60A + 60A	3.3	1	1	240/208	2000	.50	120	14”	131
EM-MI15-240-1-14	15/11.3	51182/38336	62.5/54.1	60A + 30A	3.3	1	1	240/208	2000	.50	90	14”	127
EM-MI10-240-1-14	10/7.5	34121/25591	41.7/36.1	N/A	3.3	1	1	240/208	2000	.50	60	14”	123
EM-MI05-240-1-14	5/3.8	17060/12795	20.8/18.0	N/A	3.3	1	1	240/208	2000	.50	30	14”	120
EM-MI00-240-1-14	0	0	0	N/A	3.3	1	1	240/208	2000			14”	116
EM-MI22-208-3-14	21.6	73702	60.0	50A + 30A	3.3	1	3	208	2000	.50	80	14”	133
EM-MI14-208-3-14	14.4	49134	40.0	50A	3.3	1	3	208	2000	.50	50	14”	117
EM-MI07-208-3-14	7.2	24567	20.0	N/A	3.3	1	3	208	2000	.50	25	14”	120

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).**



MODELS EM-ME*, MF* & MG*