Specification Sheet - EM-MC/MD* Packaged Electric Make-Up Air

STANDARD EQUIPMENT

- Models available in 350 and 600 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.

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	Sound Noise dB	Unit Weight lbs
									Max	Static				
EM-MC05-240-1-08	5/3.8	17060/12795	20.8/18.0	N/A	0.4	1/10	1	240/208	350	.50	30	8”	61	55
EM-MC00-240-1-08	0	0	0	N/A	0.4	1/10	1	240/208	350	.50	15	8”	61	51
EM-MC05-208-3-08	4.8	16378	13.3	N/A	0.4	1/10	3	208	350	.50	20	8”	61	55
EM-MD10-240-1-10	10/7.5	34121/25591	41.7/36.1	N/A	0.8	1/5	1	240/208	600	.50	60	10”	70	60
EM-MD05-240-1-10	5/3.8	17060/12795	20.8/18.0	N/A	0.8	1/5	1	240/208	600	.50	30	10”	70	56
EM-MD00-240-1-10	0	0	0	N/A	0.8	1/5	1	240/208	600	.50	15	10”	70	52
EM-MD10-208-3-10	9.6	32756	26.6	N/A	0.8	1/5	3	208	600	.50	35	10”	70	60
EM-MD05-208-3-10	4.8	16378	13.3	N/A	0.8	1/5	3	208	600	.50	20	10”	70	56

NOTE: Fan data supplied by fan manufacturer.

Intertek

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

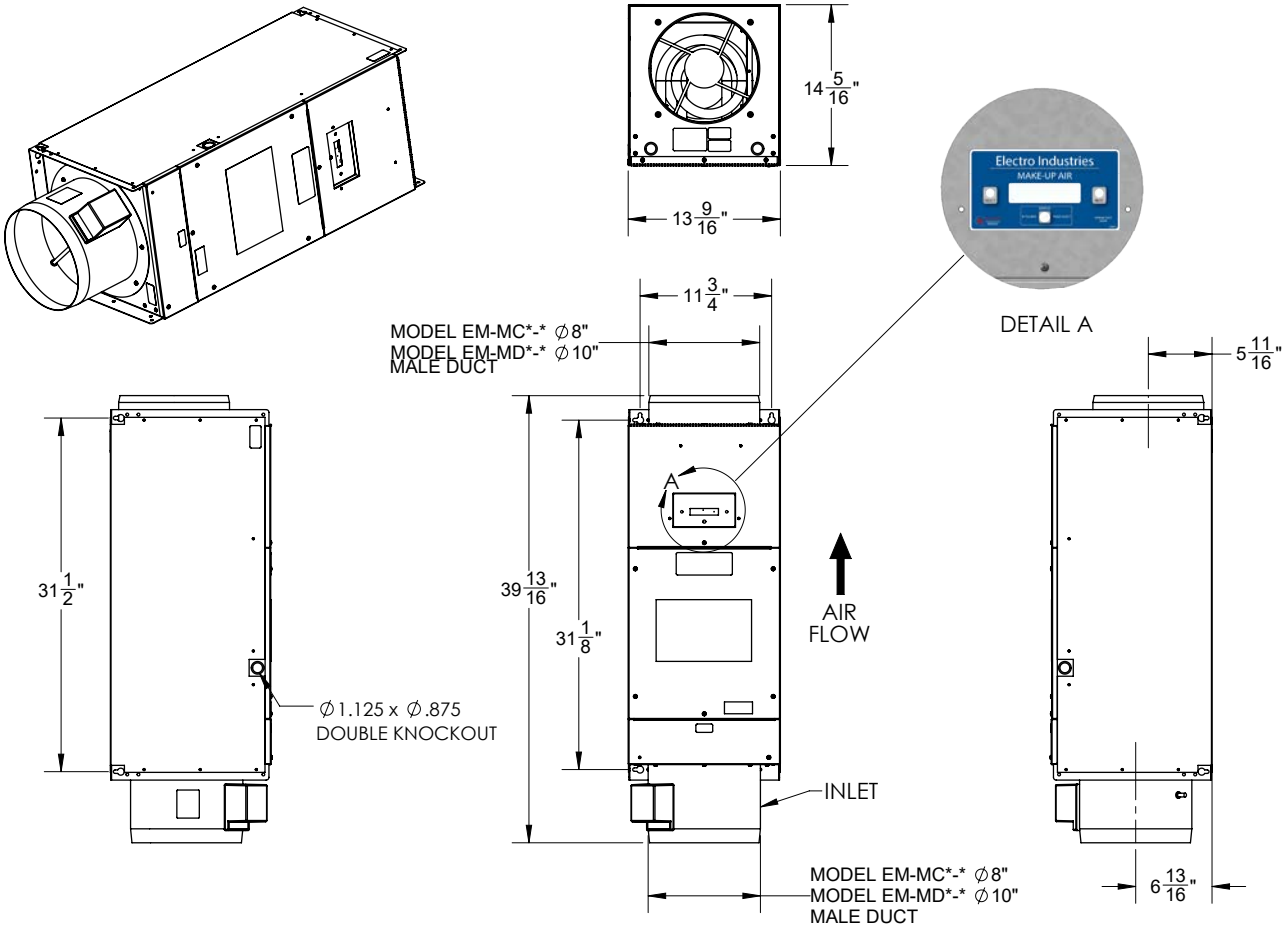
ELECTRO INDUSTRIES
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Installation Specifications (Reference Installation & Operating Instructions, EI916 or EI917)

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).

MAKE-UP AIR



MODELS EM-MC* & EM-MD*