

# 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"             |        |
| 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"             |        |
| 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"             |        |
| EM-ME00-240-1-14 | 0       | 0           | 0         | N/A         | 1.5       | 1/4      | 1     | 240/208 | 900  |        |               | 14"             |        |
| EM-ME14-208-3-14 | 14.4    | 49134       | 40.0      | 50A         | 1.5       | 1/4      | 3     | 208     | 900  | .50    | 50            | 14"             |        |
| EM-ME10-208-3-14 | 9.6     | 32756       | 26.6      | N/A         | 1.5       | 1/4      | 3     | 208     | 900  | .50    | 35            | 14"             |        |
| EM-ME05-208-3-14 | 4.8     | 16378       | 13.3      | N/A         | 1.5       | 1/4      | 3     | 208     | 900  | .50    | 20            | 14"             |        |
| 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"             |        |
| 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"             |        |
| 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"             |        |
| EM-MF00-240-1-14 | 0       | 0           | 0         | N/A         | 1.5       | 1/4      | 1     | 240/208 | 1050 |        |               | 14"             |        |
| EM-MF14-208-3-14 | 14.4    | 49134       | 40.0      | 50A         | 1.5       | 1/4      | 3     | 208     | 1050 | .50    | 50            | 14"             |        |
| EM-MF10-208-3-14 | 9.6     | 32756       | 26.6      | N/A         | 1.5       | 1/4      | 3     | 208     | 1050 | .50    | 35            | 14"             |        |
| EM-MF05-208-3-14 | 4.8     | 16378       | 13.3      | N/A         | 1.5       | 1/4      | 3     | 208     | 1050 | .50    | 20            | 14"             |        |
| 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"             |        |
| 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"             |        |
| 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"             |        |
| 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"             |        |
| EM-MG00-240-1-14 | 0       | 0           | 0         | N/A         | 3.3       | 1/2      | 1     | 240/208 | 1200 |        |               | 14"             |        |
| EM-MG22-208-3-14 | 21.6    | 73702       | 60.0      | 50A + 30A   | 3.3       | 1/2      | 3     | 208     | 1200 | .50    | 80            | 14"             |        |
| EM-MG14-208-3-14 | 14.4    | 49134       | 40.0      | 50A         | 3.3       | 1/2      | 3     | 208     | 1200 | .50    | 50            | 14"             |        |
| EM-MG07-208-3-14 | 7.2     | 24567       | 20.0      | N/A         | 3.3       | 1/2      | 3     | 208     | 1200 | .50    | 25            | 14"             |        |



All specifications subject to ELECTRO INDUSTRIES STANDARD TERMS AND CONDITIONS, download at [www.electromn.com/terms.pdf](http://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).

