

Specification Sheet - Packaged Electric Make-Up Air Heater

STANDARD EQUIPMENT

- Integrated powered inlet damper
- WarmFlo digital proportional temperature control
- Variable CFM, auto adjust based on CT input (208/240V models only)
- Included CT detects LO/MED/HI exhaust fan levels (208/240V models only)
- Full element modulation
- Inlet and supply air temperature sensors
- Three CT inputs available for multiple fan applications (208/240V models only)
- LCD display:
 - Convenient CFM exhaust fan calibration
 - Real time estimated CFM
 - Desired target temperature
 - Incoming and supply temperature
- Listed for horizontal or vertical installation
- Unique design allows for simplified installation
- Hi-limits, automatic and manual reset
- Multiple interfacing options to external controls
- Aluminum mesh permanent washable filter
- Thermostat end switch connection point
- Includes chain for suspended installations
- Can be easily wall-hung
- 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:

- 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 400 CFM you would select the MA10.

| Model → | SINGLE PHASE MODELS | | | | | | 3-PHASE MODELS | |
|---------|---------------------|------|------|------|------|------|----------------|------|
| | MA01 | MA02 | MA05 | MA10 | MA15 | MA20 | MA14 | MA22 |
| | CFM | CFM | CFM | CFM | CFM | CFM | CFM | CFM |
| 80° F | 39 | 71 | 197 | 395 | 604 | 790 | 553 | 869 |
| 70° F | 45 | 81 | 225 | 451 | 677 | 903 | 632 | 993 |
| 60° F | 53 | 95 | 260 | 526 | 790 | 1053 | 737 | 1160 |
| 50° F | 63 | 114 | 316 | 632 | 948 | 1264 | 885 | N/A |
| 40° F | 79 | 158 | N/A | N/A | 1185 | N/A | N/A | N/A |
| 30° F | 105 | 168 | N/A | N/A | 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 | Shipping Weight |
|-------------------|------|--------|------|-------------|-----------|----------|---------|---------|------|--------|---------------|-----------------|-----------------|
| | | | | | | | | | Max | Static | | | |
| EM-MA01-120-1-06* | 1 | 3,410 | 8.3 | N/A | 0.5 | 1/16 | 1-50/60 | 120 | 150 | 0.03" | 15 | 6" | 39 |
| EM-MA02-120-1-06* | 1.6 | 5,460 | 13.3 | N/A | 0.5 | 1/16 | 1-50/60 | 120 | 150 | 0.03" | 20 | 6" | 41 |
| EM-MA05-240-1-08 | 5 | 17,070 | 20.8 | N/A | 0.4 | 1/10 | 1-50/60 | 240 | 350 | 0.40" | 30 | 8" | 59 |
| EM-MA10-240-1-10 | 10 | 34,150 | 41.6 | N/A | 0.8 | 1/5 | 1-50/60 | 240 | 600 | 0.40" | 60 | 10" | 65 |
| EM-MA15-240-1-14 | 15 | 51,220 | 62.4 | 60 + 30 | 1.7 | 1/4 | 1-50/60 | 240 | 1050 | 0.50" | 90 | 14" | 117 |
| EM-MA20-240-1-14 | 20 | 68,300 | 83.2 | 60 + 60 | 2.5 | 1/2 | 1-50/60 | 240 | 1200 | 0.50" | 120 | 14" | 130 |
| EM-MA14-208-3-14 | 14.4 | 49,170 | 40.0 | 50 | 1.7 | 1/4 | 3-50/60 | 208 | 900 | 0.50" | 50 | 14" | 117 |
| EM-MA22-208-3-14 | 21.6 | 73,760 | 60.0 | 50 + 30 | 2.5 | 1/2 | 3-50/60 | 208 | 1250 | 0.50" | 80 | 14" | 130 |

*Variable Speed: Medium and Low input are **NOT** available on 120V single phase models.



Specifications subject to change without notice, all rights reserved.



ELECTRO INDUSTRIES

Monticello, Minnesota
800.922.4138
www.electromn.com

Installation Specifications (Reference Installation & Operating Instructions, EI906)

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).

