

# Specification Sheet - Electric Make-Up Air/Boost Heater

## STANDARD EQUIPMENT

- 240V, single phase, external fusing required
- Quiet DC power relays
- Thermostat end switch connection point
- Hi-limits, automatic reset - 150° F/180° fused link
- Compact enclosure
- Two element sizes available - 8 x 10 or 8 x 16
- 5-year element warranty
- 2-year parts warranty
- Temperature sensing with full modulation
- Maintains specific temperature set point
- Unique design allows for simplified installation
- Cooling mode element disable option
- Requires 24V external control power supply
- ARL listed
- Made in the USA

## TEMPERATURE RISE CHART\*

Temperature Rise Needed		80° F	70° F	60° F	50° F	40° F	30° F
Model	Watts	CFM	CFM	CFM	CFM	CFM	CFM
EM-WC0515H	4800	198	216	252	302	378	504
EM-WC1025H	9600	378	432	504	604	756	1007
EM-WC0515L	4800	189	216	252	302	378	504
EM-WC1025L	9600	378	432	504	604	756	1007

\*Typically the maximum temperature rise for this product is 40° F for room air inlet. If used for make-up air, larger temperature rises are permissible, see table above.

## ELECTRIC SUPPLY

Model	kW	Btu/h	Amps	Fuse	Phase	Voltage	Source CB	Shipping Weight	Installation Manual	Minimum CFM
EM-WC0515H	4800	16,383	20	N/A	1-60	240	30	7	HI309	180
EM-WC1025H	9600	32,765	40	N/A	1-60	240	50	7	HI309	370
EM-WC0515L	4800	16,383	20	N/A	1-60	240	30	14	HI309	180
EM-WC1025L	9600	32,765	40	N/A	1-60	240	50	14	HI309	370

## CHIP CODE OPTIONS†

Switch Position	B	C	D	E	H
0	96°	20°	40°	60°	88°
1	100°	25°	52°	65°	90°
2	104°	30°	64°	70°	92°
3	108°	35°	76°	75°	94°
4	112°	40°	88°	80°	96°
5	116°	45°	100°	85°	98°
6	120°	50°	112°	90°	100°
7	124°	55°	124°	95°	102°

†Comfort level temperature setting - choose correct chip code for application. Note: Unless otherwise specified, product will be shipped with a default "D" chip.



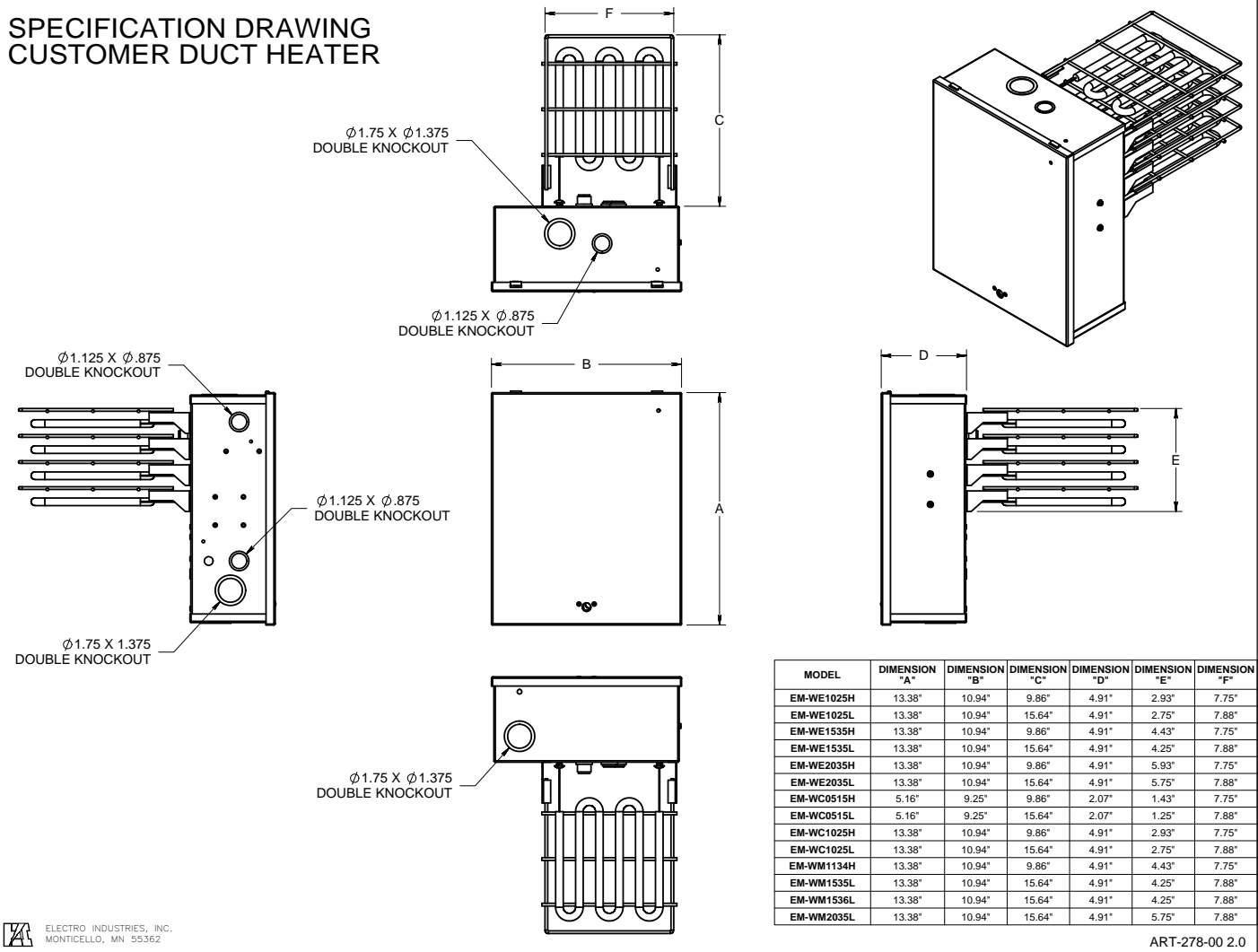
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# SPECIFICATION DRAWING CUSTOMER DUCT HEATER



ELECTRO INDUSTRIES, INC.  
MONTICELLO, MN 55362

ART-278-00 2.0

## Installation Specifications

When installing this duct heater, NEC 424, Part IV, Duct Heaters, applies.

When installed in an "inline" duct or round pipe adapter for a general distribution boost heater or make-up air application, observe the following guidelines:

1. This product must be installed in a metal duct, size of element rack.
2. There shall be no insulation on the inside of this sheet metal duct section.
3. Any flex-pipe or other insulated pipe must be at least 24" from the electric element.
4. Mounting - there must be at least 2" air clearance around all sides of this sheet metal duct section.
5. If there is a need to insulate this duct section for moisture condensation or in an unheated compartment, it is permissible to wrap insulation around the exterior of this metal duct section.
6. The control box must be positioned so it will not receive dripping water or collection of moisture.