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
- Element operation LED
- ETL/Intertek listed
- Conforms to: UL STD.UL1996/Certified to: CSA STD.C22.2#155

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	Minimum CFM
EM-WC0515H	4800	16,383	20	N/A	1-60	240	30	7	180
EM-WC1025H	9600	32,765	40	N/A	1-60	240	50	7	370
EM-WC0515L	4800	16,383	20	N/A	1-60	240	30	14	180
EM-WC1025L	9600	32,765	40	N/A	1-60	240	50	14	370

OUTLET TEMPERATURE SETTING

The inside circuit board contains two screwdriver switches marked Ø through 7. Adjust them to select the desired set point for your application.

EX: Ideal set point = 86°
Mode Dial would be set to #4
Warm Air Dial would be set to #0
NOTE: MODE DIAL setting # 7 is not applicable to this product

MODE DIAL TEMPERATURE RANGE OPTIONS

	Mode Dial						
Warm Air Dial	**0**	**1**	**2**	**3**	**4**	**5**	**6**
0	-10	14	38	62	86	110	134
1	-7	17	41	65	89	113	137
2	-4	20	44	68	92	116	140
3	-1	23	47	71	95	119	140
4	2	26	50	74	98	122	140
5	5	29	53	77	101	125	140
6	8	32	56	80	104	128	140
7	11	35	59	83	107	131	140

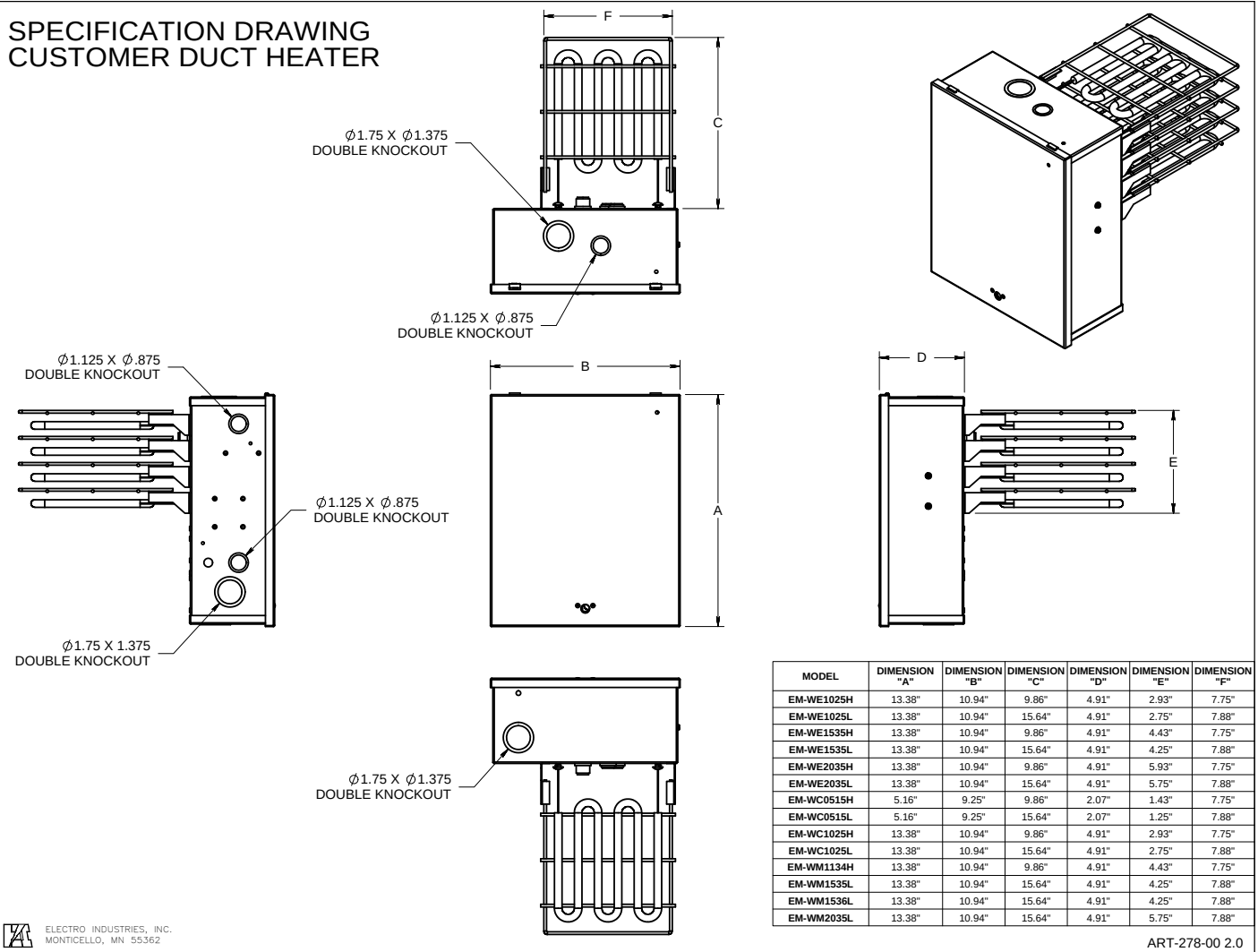
Intertek

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ELECTRO INDUSTRIES

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SPECIFICATION DRAWING
CUSTOMER DUCT HEATER



MODEL	DIMENSION "A"	DIMENSION "B"	DIMENSION "C"	DIMENSION "D"	DIMENSION "E"	DIMENSION "F"
EM-WE1025H	13.38"	10.94"	9.86"	4.91"	2.93"	7.75"
EM-WE1025L	13.38"	10.94"	15.64"	4.91"	2.75"	7.88"
EM-WE1535H	13.38"	10.94"	9.86"	4.91"	4.43"	7.75"
EM-WE1535L	13.38"	10.94"	15.64"	4.91"	4.25"	7.88"
EM-WE2035H	13.38"	10.94"	9.86"	4.91"	5.93"	7.75"
EM-WE2035L	13.38"	10.94"	15.64"	4.91"	5.75"	7.88"
EM-WC0515H	5.16"	9.25"	9.86"	2.07"	1.43"	7.75"
EM-WC0515L	5.16"	9.25"	15.64"	2.07"	1.25"	7.88"
EM-WC1025H	13.38"	10.94"	9.86"	4.91"	2.93"	7.75"
EM-WC1025L	13.38"	10.94"	15.64"	4.91"	2.75"	7.88"
EM-WM1134H	13.38"	10.94"	9.86"	4.91"	4.43"	7.75"
EM-WM1535L	13.38"	10.94"	15.64"	4.91"	4.25"	7.88"
EM-WM1536L	13.38"	10.94"	15.64"	4.91"	4.25"	7.88"
EM-WM2035L	13.38"	10.94"	15.64"	4.91"	5.75"	7.88"

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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 heater inlet and outlet collar*.
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 heater enclosure (electric element).
4. Mounting - there must be at least 2" air clearance around all sides of this sheet metal enclosure (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 enclosure (duct section).
6. The control box must be positioned so it will not receive dripping water or collection of moisture.

*Contact factory for recommendations when transitioning to other duct sizes.