Specification Sheet - Modulating Electric Duct Heater

STANDARD EQUIPMENT

- Control wiring terminals
- Stage LED indicators
- Quiet DC power relays
- Hi-limits, automatic reset - 135° F & 150° F/180° fused link
- Compact enclosure
- Two element sizes available - 8 x 10/8 x 16
- 5-year element warranty
- 2-year parts warranty
- Temperature sensing with full modulation
- Unique design allows for simplified installation
- Cooling mode element disable option
- Dual fuel and heat pump compatible when used with a WF-EM3 or WF-EZ3 interface module
- Outdoor and supply temperature sensors
- 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-WE1025H	9600	378	432	504	604	756	1007
EM-WE1535H	14400	567	648	756	907	1133	1511
EM-WE2035H	19200	756	863	1007	1209	1511	2015
EM-WE1025L	9600	378	432	504	604	756	1007
EM-WE1535L	14400	567	648	756	907	1133	1511
EM-WE2035L	19200	756	863	1007	1209	1511	2015

*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-WE1025H	9.6	32,760	40	N/A	1-60	240	50	12	EI508	370
EM-WE1535H	14.4	49,150	60	30 + 50	1-60	240	80	16	EI508	560
EM-WE2035H	19.2	65,530	80	50 + 50	1-60	240	100	19	EI508	750
EM-WE1025L	9.6	32,760	40	N/A	1-60	240	50	15	EI508	370
EM-WE1535L	14.4	49,150	60	30 + 50	1-60	240	80	19	EI508	560
EM-WE2035L	19.2	65,530	80	50 + 50	1-60	240	100	21	EI508	750

CHIP CODE OPTIONS†

Switch Position	HPEL @ 0° F Outside	HPDH @ 0° F Outside	EMA
0	100°	100°	100°
1	110°	110°	104°
2	114°	114°	108°
3	118°	118°	112°
4	122°	122°	116°
5	125°	125°	119°
6	125° @ 10°F	125° @ 10°F	122°
7	DT flat	DT flat	124°

†Comfort level temperature setting - choose correct chip code for application.

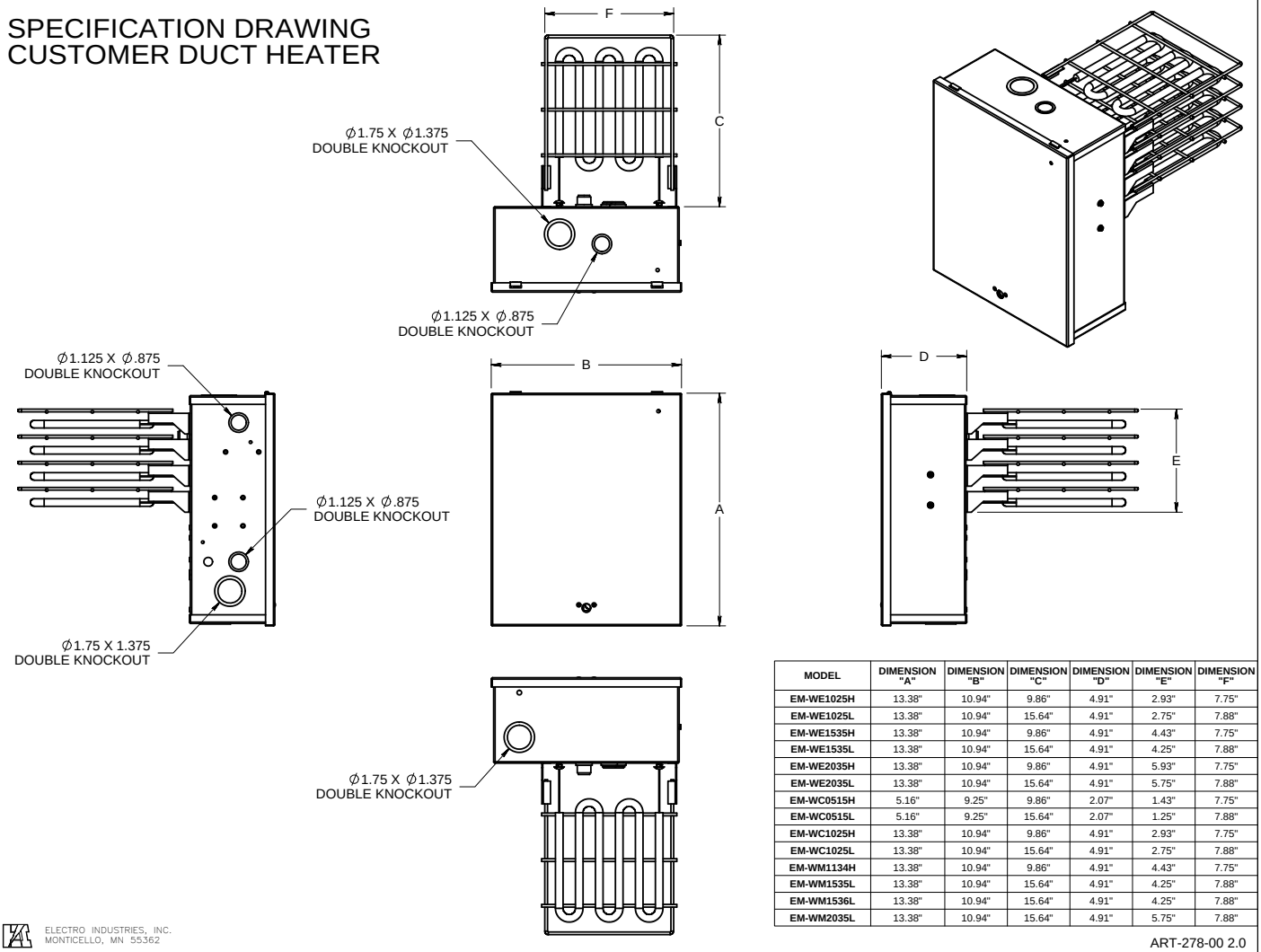
Intertek

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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 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.