ELECTRO DUCT ™

Generic strip heat designed for air handler, heat pump, or blower cabinet outlet duct installation. The approved relationship of the air moving blower to this insert unit is detailed in the installation manual.

FEATURES

- Flexibility of "stab in" element rack
- Factory started plenum available
- kW sized for optimum service CB
- 240 volts, 60 hertz
- 30 amp, overrated, relays
- 4.8 kW staging, hookup selectable
- Two level auto reset hi-limit
- Third level hi-limit, self destruct
- ARL, NRTL certified to UL1996

Control Board Module

- No internal control wires
- Simple troubleshooting/repair
- Six monitor lights
- Only three functional parts
- Electronic delay staging
- No snap switch sequencers
- Blower interlock relay
- Optional plug, 10 pin PCB connector

WarmFlo Compatible (see next page)

- Duct and outdoor temperature sensing
- Universal smart heat pump controller

Heating-Temp. Control Blower Speed

- The WarmFlo ST sensor provides Air Handler Y1 and Y2 at program ST and OT sensing
- See update hook-up HH210 for added cable and EE-5053 relay
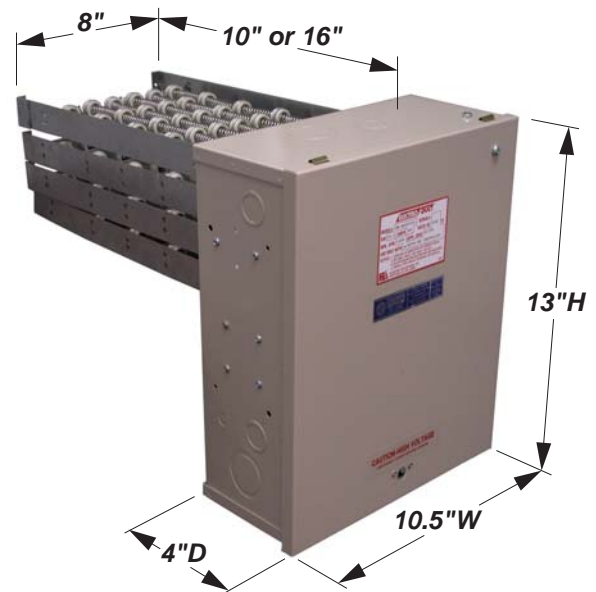- Must use WFII with 10 pin and 2.30 version

Make-Up Air

- Duct sensor, element modulation
- Request HL309, EM-WM series

Forced Air Strip Heater

Insert Style, Two Element Rack Sizes

8"
10" or 16"
13"H
10.5"W
4"D

ELECTRO INDUSTRIES

Monticello, Minnesota
800.922.4138
www.electromn.com

Model	Nominal kW	Current	Min. CFM*	Element Cross Section	Stages	Shipping Weight
EM-DI1025H	9.6	40	600	8W x 10D	2	12
EM-DI1535H	14.4	60	900	8W x 10D	3	16
EM-DI2035H	19.2	80	1200	8W x 10D	3	19
EM-DI1025L	9.6	40	600	8W x 16D	2	15
EM-DI1535L	14.4	60	900	8W x 16D	3	19
EM-DI2035L	19.2	80	1200	8W x 16D	3	21
EM-DI1025C†	9.6	40	600	15W x 16D	2	20
EM-DI1535C†	14.4	60	900	15W x 16D	3	24
EM-DI2035C†	19.2	80	1200	15W x 16D	3	26

* Assume all air passes through element rack. If duct/plenum is larger than element rack (without factory deflector kit), the air volume external (bypassing) to the element rack must be added to this CFM requirement.

† Includes factory supplied starter plenum.

OPTIONAL CONFIGURATIONS

WarmFlo Compatible - prepackaged as WarmFlo strip heater inserts, EM-WE series. Reference above model numbers, replace "DI" with "WE". Example: EM-WE1025H.

Commerical Duct Heater Package - these insert duct heaters can be combined with Electro's IH series controller (procedure and wiring, EH306). Configurations up to 58 kW per controller. Three phase is configured with two pole source breakers properly staggered in separate 3-phase panelboard.

Make-Up Air - suggest EM-WM or EM-WC series with duct sensing controller and element modulation. These units are more efficient and do not overheat or inefficiently use electric energy.

Off-Peak or Load Management - DFC type controllers and other Electro heat pump controllers can provide load management interface (procedure and cable EH007).

WarmFlo Compatible

Prewired assembly, the complete WarmFlo/strip heater package is as simple as a one control wire connection to any heat pump manufacturer's unit. As a WarmFlo upgrade package, this is external to the HP manufacturer's cabinet and does not compromise warranty or other product listings.

Factory Supplied Starter Plenum

Factory assembled with internal deflector, this can be a complete unit with starter plenum for the larger blower outlet arrangements. Starter plenum - 16W x 16D x 15H.

A-Coil, Plenum Heater

If your application involves a heat pump A-coil, use the Electro-Mate models especially designed for A-coil zero clearance - furnace conversion, split HP strip heat, dual fuel HP updates, etc. See separate sheet 0151A.