

# EGHB

Heavy Duty, Suspended,  
Electric Unit Heater

## For commercial and industrial use

Model EGHB is designed for areas requiring a high level of air flow. This unit heater may be mounted horizontally (wall or ceiling) using supplied brackets or vertically using 4 threaded rods (not included).

A variety of control options are available in kits or may be factory installed.



showroom

Application  
warehouse

stairwell

factory

## Features

|                        |                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Color</b>           | – Standard: almond.                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Finish</b>          | – Standard: epoxy/polyester powder paint.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Voltage</b>         | – 208V, 240V, 277V, 347V, 480V, 600V, 1 or 3-phase.<br>– Some units may be converted from 3 to 1-phase.                                                                                                                                                                                                                                                                                                   |
| <b>Construction</b>    | – 18 and 20-gauge steel.<br>– Adjustable louvers to direct air flow.<br>– High-limit temperature control with automatic reset.                                                                                                                                                                                                                                                                            |
| <b>Fan</b>             | – Motor mounted in cold compartment.<br>– Thermally-protected motor.<br>– Totally enclosed and factory-lubricated ball bearing motor (except for 15 to 25 kW at 208V/240V).<br>– 58 dBA fan (2–10 kW), 67 dBA fan (15–30 kW) and 77 dBA fan (40–60 kW).<br>– Fan delay purges heater of residual heat.<br><i>(Any remote thermostat or relay must be connected to the heater control terminal block.)</i> |
| <b>Heating element</b> | – Durable tubular heating elements; stainless steel (2–10 kW); finned (15–60 kW).<br>– Concentric disposition of heating elements.                                                                                                                                                                                                                                                                        |

## Features

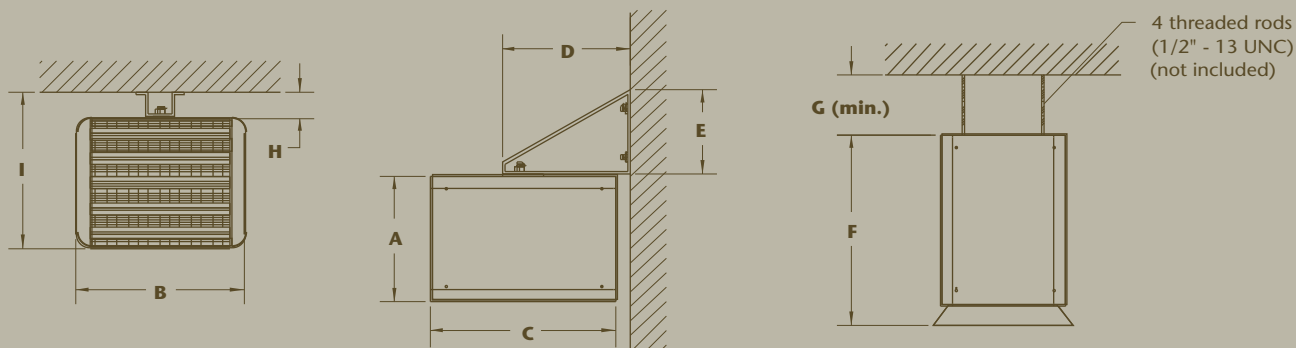
Text

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Comments

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Control</b>      | <ul style="list-style-type: none"> <li>– All models have a factory-installed contactor.</li> <li>– 208V/240V control circuit standard (with transformer if necessary).</li> <li>– 24V relay, with or without transformer available.</li> <li>– Built-in thermostat available.</li> <li>– 120V control circuit available.</li> </ul> <p><i>For greater comfort, it is highly recommended that a wall mounted thermostat be used.</i></p>                                                                                                                                                                                                                                         |
| <b>Installation</b> | <ul style="list-style-type: none"> <li>– Horizontal wall or ceiling mounting using 1 of 2 supplied brackets which allow 360° rotation*.</li> <li>– Vertical mounting using 4 threaded rods 1/2 in. X 13 UNC (not included).</li> <li>– Diffuser cones available.</li> <li>– Large and easily accessible control compartment.</li> <li>– Maximum recommended height (horizontal):<br/>2–10 kW: 8 ft. (2.4 m);<br/>15–30 kW: 10 ft. (3 m);<br/>40–60 kW: 15 ft. (4.5 m).</li> <li>– Protective screen allows lower mounting height (except 40–60 kW).</li> <li>– Minimum height of 8 ft. (2.4 m) for 40–60 kW heaters.</li> <li>– 85 °F maximum operating temperature.</li> </ul> |
| <b>Warranty</b>     | <ul style="list-style-type: none"> <li>– 1-year warranty against defects.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

*\*Horizontal mounting only for 40, 50 and 60kw secured by 4 hooks (ceiling only).*



| Dimension | 2-10 kW |         | 15-30 kW |          | 40-60 kW |        |
|-----------|---------|---------|----------|----------|----------|--------|
|           | mm      | in.     | mm       | in.      | mm       | in.    |
| A         | 305     | 12      | 444      | 17 1/2   | 585      | 23     |
| B         | 419     | 16 1/2  | 556      | 21 7/8   | 641      | 25 1/4 |
| C         | 432     | 17      | 572      | 22 1/2   | 870      | 34 1/4 |
| D         | 357     | 14 1/16 | 470      | 18 1/2   | ■        | ■      |
| E         | 290     | 11 7/16 | 407      | 16       | ■        | ■      |
| F         | 490     | 19 5/16 | 630      | 24 13/16 | 924      | 36 3/8 |
| G         | 305     | 12      | 305      | 12       | 305      | 12     |
| H         | 123     | 4 7/8   | 148      | 5 13/16  | 305      | 12     |
| I         | 428     | 16 7/8  | 572      | 23 5/16  | 890      | 35     |

| EGHB | Forced Air,<br>Heavy Duty<br>Electric Unit Heater | Size                  | 2   | 3   | 4   | 5   | 7   | 10  | 15   | 20   | 25   | 30   | 40   | 50   | 60   |
|------|---------------------------------------------------|-----------------------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
|      |                                                   | kW                    | 2   | 3   | 4   | 5   | 7.5 | 10  | 15   | 20   | 25   | 30   | 40   | 50   | 60   |
|      |                                                   | cfm                   | 510 | 510 | 510 | 700 | 700 | 700 | 1350 | 1350 | 1350 | 1350 | 2000 | 2000 | 2000 |
|      |                                                   | Shipping Weight (lbs) | 45  | 45  | 45  | 45  | 45  | 45  | 85   | 85   | 85   | 85   | 150  | 150  | 150  |

## Factory Installed Options

| Size                                           |                                         |      | 2 | 3 | 4 | 5 | 7 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |
|------------------------------------------------|-----------------------------------------|------|---|---|---|---|---|----|----|----|----|----|----|----|----|
| Supply Voltage/Phase                           | 208/1                                   | AK2  | ✓ | ✓ | ✓ | ■ | ■ | ✓  | ✓  | ✓  | ✓  | ■  | ■  | ■  | ■  |
|                                                | 208/3                                   | AK5  | ✓ | ✓ | ✓ | ■ | ■ | ✓  | ✓  | ✓  | ✓  | ■  | ■  | ■  | ■  |
|                                                | 208/3-1 <sup>A</sup>                    | AK15 | ■ | ■ | ■ | ✓ | ✓ | ■  | ■  | ■  | ■  | ■  | ■  | ■  | ■  |
|                                                | 240/1                                   | AK3E | ☆ | ✓ | ✓ | ■ | ■ | ■  | ✓  | ✓  | ✓  | ■  | ■  | ■  | ■  |
|                                                | 240/3                                   | AK6E | ☆ | ✓ | ✓ | ■ | ■ | ■  | ✓  | ✓  | ✓  | ■  | ■  | ■  | ■  |
|                                                | 240/3-1 <sup>A</sup>                    | AK16 | ■ | ■ | ■ | ✓ | ✓ | ✓  | ■  | ■  | ■  | ■  | ■  | ■  | ■  |
|                                                | 277/1                                   | AK4  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ■  | ■  | ■  | ■  | ■  | ■  | ■  |
|                                                | 347/1                                   | AK34 | ✓ | ✓ | ✓ | ✓ | ✓ | ■  | ■  | ■  | ■  | ■  | ■  | ■  | ■  |
|                                                | 480/1                                   | AK9E | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ■  | ■  | ■  | ■  |
|                                                | 480/3                                   | AK7E | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| 600/3                                          |                                         | AK8E | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| Triple Pole Contactor (3 ph only) <sup>B</sup> |                                         | AN6  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| Disconnect Switch                              | 40A                                     | BA14 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ■  | ■  |
|                                                | 80A                                     | BA15 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                                                | 100A                                    | BA16 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| Branch Circuit Fusing                          |                                         | BA12 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| Unit Mounted Summer Fan Switch                 |                                         | BF4A | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| Control Voltages                               | 208V, 240V, 277V                        | STD  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                                                | 24V relay with transformer <sup>F</sup> | BT1  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                                                | 120V contactor with transformer         | BT2  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| Manual High Limit                              |                                         | BD6  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| Internal Thermostat                            |                                         | IC11 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| Size                                           |                                         |      | 2 | 3 | 4 | 5 | 7 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |

<sup>A</sup> Units are field convertible from 3 to 1-phase.

<sup>B</sup> 2-pole contactor is standard with single and 3-phase units. 3-pole contactor may be required by some codes for 3-phase.

<sup>D</sup> 208V/240V fan motors are standard on higher voltage units. Units up to 30A have 2-pole contactor as standard equipment, units that draw more than 30A have a 3-pole contactor as standard.

<sup>F</sup> For single or multiple unit control.



### Field Installed Options (Shipped Separately)

| Size                                     |                                                  |      | 2 | 3 | 4 | 5 | 7 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |
|------------------------------------------|--------------------------------------------------|------|---|---|---|---|---|----|----|----|----|----|----|----|----|
| 24V Relay Kit <sup>G</sup>               | Without transformer                              | IR24 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                                          | 240V transformer <sup>H</sup>                    | IR2B | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| Unit Mounted Thermostat Kit <sup>K</sup> |                                                  | IT13 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| Wall Mounted Thermostat                  | Single-pole, low-voltage thermostat <sup>L</sup> | CL1A | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                                          | Single-pole, single stage thermostat             | CL5  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| Vertical Cone Diffuser                   |                                                  | CD70 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| Size                                     |                                                  |      | 2 | 3 | 4 | 5 | 7 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |

<sup>G</sup> IR24: 24V signal by others (multiple units per thermostat). IR2B: For 24V thermostat on each unit.

<sup>H</sup> All heaters have a 240V control circuit unless otherwise specified.

<sup>K</sup> Field installed. Same thermostat as option IC11.

<sup>L</sup> CL1A thermostat requires option BT1.