

TECHNICAL SPECIFICATIONS FOR MODEL EGHB

**INDOOR COMMERCIAL/INDUSTRIAL HEAVY-DUTY
ELECTRIC SUSPENDED UNIT HEATER**



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In keeping with our policy of continuous product improvement, we reserve the right to alter, at any time, the design, construction, dimensions, weights, etc., of equipment information shown here.

TECHNICAL SPECIFICATIONS—CONTINUED

Unit Sizes

These heaters are available in three unit sizes based on heating capacity of 40,000–60,000 watts.

Features

- Voltage/phase options: 480/3 and 600/3
- Almond epoxy/polyester powder paint finish
- 18- and 20-gauge steel construction
- Adjustable louvers to direct airflow
- High-temperature limit control with automatic reset
- Thermally-protected, totally-enclosed, factory-lubricated fan motor (fan delay purges residual heat)
- Durable tubular finned heating elements with concentric disposition (factory-sealed upon request)
- Large and easily-accessible control compartment
- Factory-installed contactor
- Standard 240V control circuit

NOTE: Manufacturer highly recommends to use a wall thermostat for greater comfort. Any remote thermostat or relay must be connected to the heater control terminal block.

Factory-Installed Options

Option	Description
AK7E	Voltage/phase 480/3
AK8E	Voltage/phase 600/3
AN6*	Contactor, triple-pole
BA12	Branch circuit fusing
BA14	Disconnect switch, 40A
BA15	Disconnect switch, 80A
BD6	High-temperature limit control with manual reset
BF4A	Fan ON switch
BT1	24V control relay with transformer
BT2	120V control circuit
CV24	24V summer fan control relay (switch not included)
HK2	Almond cabinet color
IC11	Unit-mounted thermostat

Field-Installed Options

Option	Description
CD70	Vertical cone diffuser
CL1A	Single-pole low-voltage wall-mounted thermostat (requires option BT1)
CL5	Single-pole single-stage wall-mounted thermostat
IR2B	240/24V transformer
IR24	24V control relay without transformer (24V signal by others)
IT13	Unit-mounted thermostat (same thermostat as option IC11)

Technical Data

Parameter	Unit of Measure	Unit Size (kW)		
		40	50	60
Heating capacity	watt	40,000	50,000	60,000
	BTUh	136,000	171,000	205,000
Airflow	CFM	2000		
Temperature rise	°F	63	79	95
	°C	35	44	53
Maximum operating ambient temperature	°F	85		
	°C	30		
Air throw (approximate)	feet	50–55		
Fan speed	RPM	1140		
Fan horsepower	HP	3/4		
Sound level	dBa	77		

Voltage/Phase	Unit Size (kW)		
	40	50	60
Amp Draw for Disconnect Sizing			
480/3	48.17*	60.21*	72.25*
600/3	38.54**	48.17*	57.80*
*Uses 80A disconnect switch (option BA15).			
**Uses 40A disconnect switch (option BA14).			

Dimensions

Dimensions (length × height × width) = 34-1/4 × 23 × 25-1/4 inches (870 × 585 × 641 mm).

Shipping Weight

Unit Size (kW)		
40	50	60
Pounds (kg)		
150 (68)		

Mounting

- Minimum height: 8 feet (2.4 meters)
- Maximum recommended height: 15 feet (4.5 meters)
- Four hooks provided with unit for suspension-mounting using four 1/2-13UNC field-supplied threaded rods

⚠ DANGER ⚠

- This heater has hot parts inside. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces.
- Do not operate any heater after it malfunctions. Disconnect power at the service panel and have the heater inspected by a reputable electrician before reusing.
- Do not use outdoors.
- Do not insert or allow foreign objects to enter any heater opening as this may cause electrical shock, fire, or damage to the heater.
- To prevent a possible fire, do not block air intakes or exhaust in any way whatsoever.
- Use this heater only as recommended by the manufacturer. Any other use may cause electrical shock, fire, or damage to the heater.

For more information on Reznor HVAC products:

- **Contact your local Reznor representative at 1-800-695-1901**
- **Refer to the manuals and additional consumer materials found at www.reznorhvac.com**

