

TECHNICAL SPECIFICATIONS FOR MODEL EWHB

INDOOR COMMERCIAL/INDUSTRIAL WASH-DOWN ELECTRIC 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 nine unit sizes based on heating capacity of 3,000–38,400 watts.

Features

- Voltage/phase options: 208/1, 208/3, 240/1, 240/3, 480/3, and 600/3
- 16-gauge SST moisture- and corrosion-resistant housing
- NEMA 4X nonmetallic electrical enclosure on bottom of unit for ease of installation and servicing
- SST swivel mounting bracket included for wall- or ceiling-mounting
- SST rear grill to prevent accidental contact with fan blade
- SST adjustable outlet louvers
- High-temperature limit control with automatic reset (manual reset available upon request)
- Optional watertight 40A disconnect switch
- Epoxy-painted anodized-aluminum delayed-action fan with permanently-lubricated enclosed motor
- Optional watertight unit-mounted fan control switch
- Sealed tubular heating element with SST fins
- Watertight POWER ON indicator
- 24V control circuit with transformer and contactor
- Internal watertight thermostat

Factory-Installed Options

Option	Description
AK2	Voltage/phase 208/1 (not available for unit sizes 10–38)
AK5	Voltage/phase 208/3 (not available for unit sizes 20–38)
AK3E	Voltage/phase 240/1 (not available for unit sizes 15–38)
AK6E	Voltage/phase 240/3 (not available for unit sizes 20–38)
AK7E	Voltage/phase 480/3
AK8E	Voltage/phase 600/3
BA5A	Watertight disconnect switch, 600V, triple-pole, 40A (not available for unit size 38)
BB13	Watertight POWER ON indicator
BF4B	Watertight unit-mounted fan control switch
IC18	Internal watertight thermostat

Field-Installed Options

Option	Description
CL5A	Thermostat, NEMA 4X, 40–110°F (4–43°C), 25A

Technical Data

Parameter	Unit of Measure	Unit Size (kW)								
		3	5	7	10	15	20	25	30	38
Heating capacity	watt	3000	5000	7500	10,000	15,000	20,000	25,000	30,000	38,400
	BTUh	10,000	17,000	26,000	34,000	51,000	68,000	85,000	102,000	131,000
Airflow	CFM	700			1450	2400				
Temperature rise	°F	14	24	35	22	21	28	35	42	54
	°C	8	13	19	12	12	16	19	23	30
Air throw	foot	26			43	50				
	meter	8			13	15				

Voltage/ Phase	Unit Size (kW)									
	3	5	7	10	15	20	25	30	38	
	Amp Draw for Disconnect Sizing									
208/1	14.42	24.04	36.06	—						
208/3	8.34	13.90	20.84	27.79	—					
240/1	12.50	20.83	31.25	—						
240/3	7.23	12.04	18.06	24.08	36.13	—				
480/3	3.61	6.02	9.03	12.04	18.06	24.08	30.11	36.13	—	

NOTE: 40A disconnect switch (option BA5A) used.

Clearances

Unit Surface	Minimum Clearance (Inches (mm))
Top	8 (203)
Side	
Rear	3-1/4 (80)
Bottom (from floor)	72 (1829)

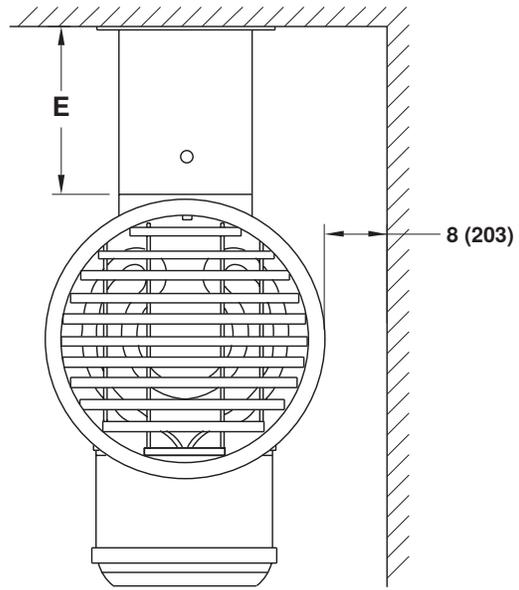
Shipping Weight

Unit Size (kW)								
3	5	7	10	15	20	25	30	38
Pounds (kg)								
70 (32)				130 (59)				

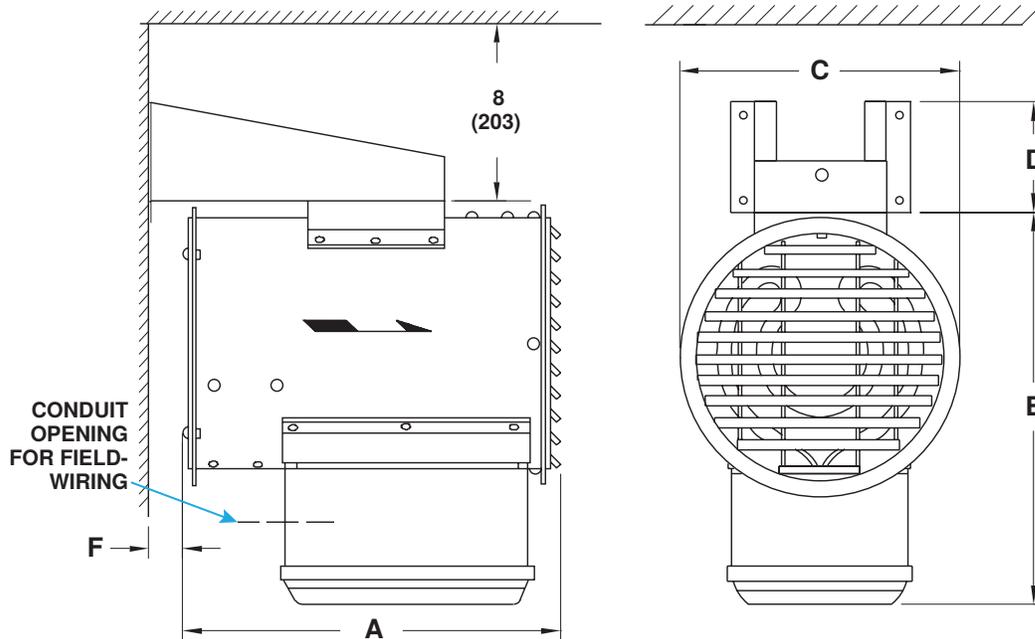
TECHNICAL SPECIFICATIONS—CONTINUED

Dimensions

Dimension (See Graphic Below)	Unit Size (kW)							
	3	5	7	10	15	20	25	30
	Inches (mm)							
A	15-1/2 (390)				26 (660)			
B	21-1/2 (550)				28 (710)			
C	13 (330)				20 (510)			
D	4-1/4 (110)				7-1/8 (180)			
E	19-1/8 (490)				22-1/4 (570)			
F	8-1/2 (220)				3-1/4 (80)			



CEILING-MOUNTED



WALL-MOUNTED

NOTES

⚠ 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

