

TECHNICAL SPECIFICATIONS FOR MODEL EHC

**INDOOR COMMERCIAL/RESIDENTIAL FORCED-AIR
ELECTRIC WALL-MOUNTED 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 eight unit sizes based on heating capacity of 1,500–12,000 watts.

Features

- Voltage/phase options: 120/1, 208/1, 208/3, 240/1, 240/3, 277/1, 347/1, 480/1, 480/3, 600/1, and 600V/3
- White or almond epoxy/polyester powder paint finish (special colors available for high-volume orders)
- 18-gauge steel front cover
- Bottom air outlet
- High-temperature limit control with automatic reset
- Factory-lubricated closed fan motor (fan delay purges residual heat)
- Durable tubular heating element with fins
- Up to three units may be mounted side-by-side
- Thermostat with control knob (optional built-in tamper-proof thermostat available)

NOTE: A thermostat is not included with a heater with a factory-installed relay. Any remote thermostat or relay must be connected to the heater control terminal block.

Factory-Installed Options

Option	Description
AK1E	Voltage/phase 120/1 (not available for unit sizes 2–12)
AK2	Voltage option 208/1 (not available for unit sizes 1, 3, 6 and 12)
AK5	Voltage option 208/3 (not available for unit sizes 1–8)
AK3E*	Voltage option 240/1
AK6E*	Voltage option 240/3 (not available for unit sizes 1–8)
AK4	Voltage option 277/1
AK34	Voltage option 347/1
AK9E	Voltage option 480/1
AK7E	Voltage option 480/3 (not available for unit sizes 1–8)
AK10	Voltage option 600/1
AK8E	Voltage option 600/3 (not available for unit sizes 1–8)
BT1	24V control relay with transformer
BA14	Disconnect switch, 600V, triple-pole, 40A
BA15	Disconnect switch, 600V, triple-pole, 80A
BA21	Disconnect switch, up to 277V, double-pole, 20A
BF23	Unit-mounted fan switch
HK1	White cabinet color
HK2	Almond cabinet color
IC11	Internal tamper-proof thermostat
*May be connected to 208V supply with 25% reduction in heating capacity.	

Field-Installed Options

Option	Description
CL1A	Thermostat, single-pole, low-voltage
CL5	Thermostat, single-stage, single-pole, line voltage, 120-277V
HY6	Color-matched surface mounting box (required if unit is flush-mounted)
HY4A	Recessed trim kit, 1-inch (for recess-mounting)
HY4B	Recessed trim kit, 2-inch (for recess-mounting)

Technical Data

Parameter	Unit of Measure	Unit Size (kW)							
		1	2	3	4	5	6	8	12
Heating capacity	watt	1500	2000	3000	4000	4800	6000	8000	12,000
	BTUh	5125	6825	10,250	13,660	16,400	20,500	27,620	40,975
Airflow	CFM	160					320		480
Sound level, single unit	dBa	55							
Sound level, double unit		58							
Sound level, triple unit		61							
NOTE: Unit size 6 is two size 3 units. Unit size 8 is two size 4 units. Unit size 12 is three size 4 units.									

Voltage/Phase	Unit Size (kW)							
	1	2	3	4	5	6	8	12
	Amp Draw for Disconnect Sizing							
208/1	—	7.21*	—	14.42*	17.31	—	28.85	—
208/3	—							25.01
240/1	6.25*	8.33*	12.50*	16.67*	20.00	25.00	33.33	50.00**
240/3	—							28.90
277/1	5.42*	7.22*	10.83*	14.44*	17.33	21.66	28.88	43.32**
347/1	4.32	5.76	8.65	11.53	13.83	17.29	23.05	34.58
480/1	3.13	4.17	6.25	8.33	10.00	12.50	16.67	25.00
480/3	—							14.45
600/1	2.50	3.33	5.00	6.67	8.00	10.00	13.33	20.00
600/3	—							11.56
NOTE: 40A disconnect switch (option BA14) used unless otherwise indicated.								
*Uses 20A disconnect switch (option BA21).								
**Uses 80A disconnect switch (option BA15).								

Shipping Weight

Unit Size (kW)			
1, 2, 3	4, 5	6, 8	12
Pounds (kg)			
24 (10.9)	26 (12)	54 (24.5)	90 (40.9)
NOTE: Unit size 6 is two size 3 units. Unit size 8 is two size 4 units. Unit size 12 is three size 4 units.			

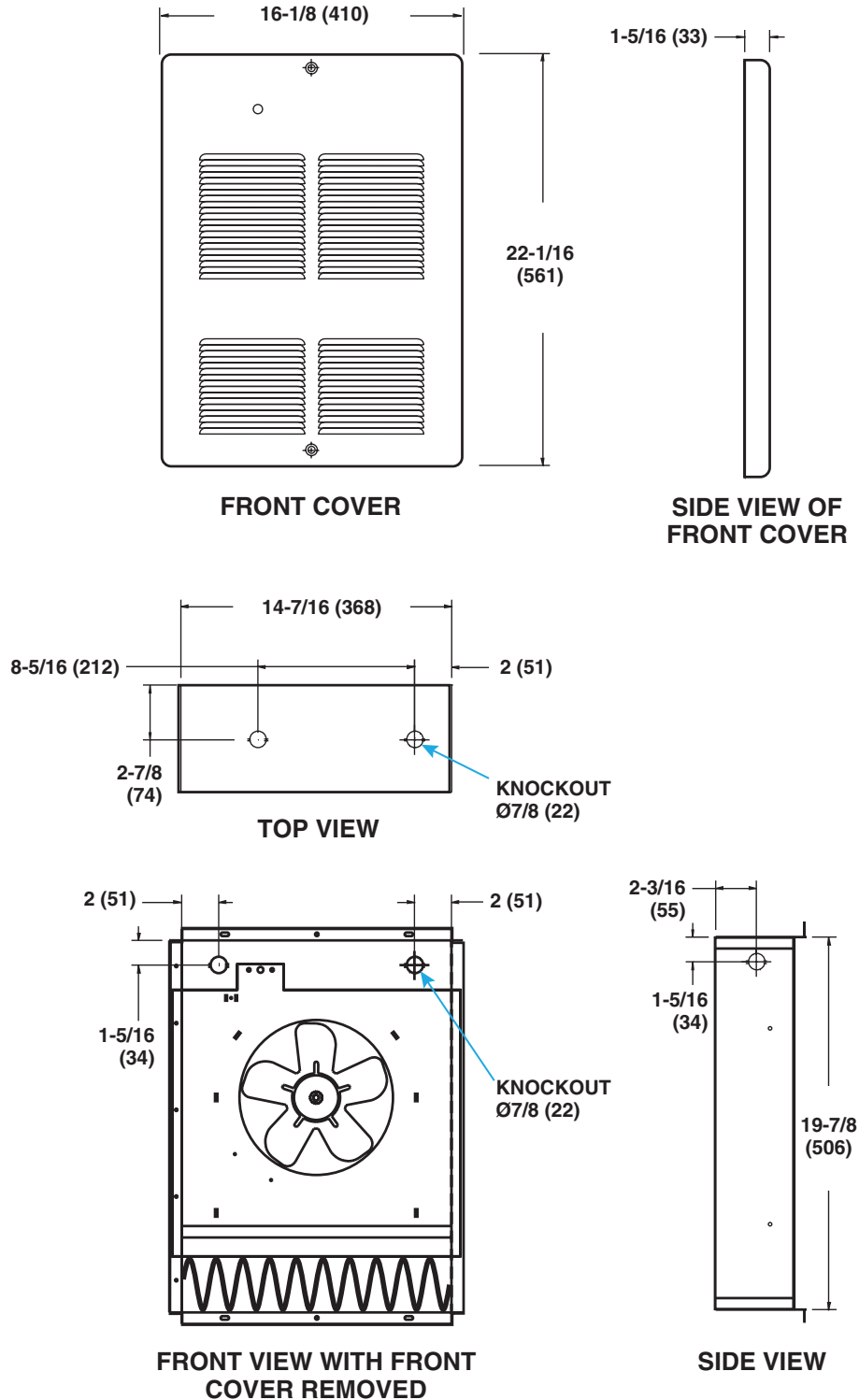
Required Clearances

The required minimum clearance from the floor and adjacent walls is 10 inches (25.4 mm).

TECHNICAL SPECIFICATIONS—CONTINUED

Dimensions

Unit Size (kW)		
1, 2, 3, 5, 5	6, 8	12
Height × Width (Inches (mm))		
22-1/16 (561) × 16-1/8 (410)	22-1/16 (561) × 31-7/8 (810)	22-1/16 (561) × 48-5/16 (1227)
NOTE: Unit size 6 is two size 3 units. Unit size 8 is two size 4 units. Unit size 12 is three size 4 units.		



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

