

TECHNICAL SPECIFICATIONS FOR MODEL EXUB

**INDOOR COMMERCIAL/INDUSTRIAL EXPLOSION-RESISTANT
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 3,000–35,000 watts.

Features

- Voltage/phase options: 208/1, 208/3, 240/1, 240/3, 480/3, and 600/3
- Forced-air heater for hazardous locations—Class I, Divisions 1 and 2, Groups C and D—Class II, Divisions 1 and 2, Groups F and G
- Temperature code: T3B—3kW and 35kW = T3A—Class I, Zones 1 and 2, Groups IIA and IIB = T3
- Red epoxy/polyester powder paint
- 14-gauge steel cabinet with cast aluminum control and element enclosure lids (NEMA Type 7 and 9 with O-ring)
- Anodized-aluminum adjustable louvers
- Heavy-duty fan guard with multiple horizontal stiffening wires
- High-temperature pressure relief device
- Two high-temperature limit controls (one with automatic reset and one with manual reset)
- Explosion-resistant, thermally-protected, permanently-lubricated ball bearing fan motor
- Long-life, low-watt density heat exchanger with high grade metal-sheathed element fins with ethylene glycol/water solution and evacuated and sealed carbon steel tube core with 10 FPI aluminum fins
- Standard 120V control circuit (optional 24V control circuit available)
- Explosion-proof unit-mounted thermostat (optional wall-mounted thermostat available)

NOTE: Consult the electrical code in your area before installing this unit.

Factory-Installed Options

Option	Description
AK2	Voltage/phase 208/1 (not available for unit sizes 10–30)
AK5	Voltage/phase 208/3 (not available for unit sizes 20–35)
AK3E	Voltage/phase 240/1 (not available for unit sizes 15–35)
AK6E	Voltage/phase 240/3 (not available for unit sizes 20–35)
AK7E	Voltage/phase 480/3
AK8E	Voltage/phase 600/3
BAX1	Unit-mounted disconnect switch
BT1	Explosion-proof 24V transformer and contactor
IX34	Explosion-proof unit-mounted thermostat

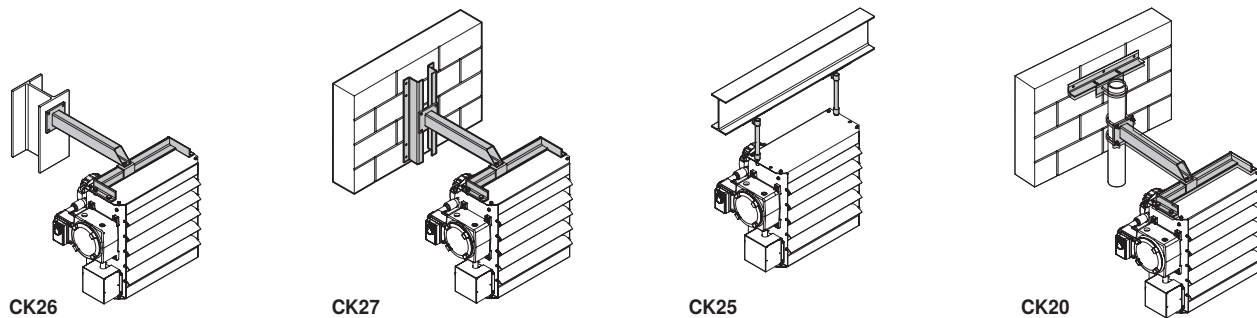
Field-Installed Options

Option	Description
CK20	Pole-mounting arm (requires 3-1.2-inch OD pipe, not included)
CK25	Pipe hanger brackets (1/2-inch pipe not included)
CK26	Wall-mounting arm with flange that bolts or welds to steel or concrete
CK27	Wall-mounting arm with Z-supports for block wall
CX1	Explosion-resistant wall-mounted thermostat, 40–80°F
XDC1	Explosion-resistant wall-mounted disconnect switch

Technical Data

Parameter	Unit of Measure	Unit Size (kW)								
		3	5	7	10	15	20	25	30	35
Heating capacity	watt	3000	5000	7500	10,000	15,000	20,000	25,000	30,000	35,000
	BTUh	10,000	17,000	26,000	34,000	51,000	68,000	85,000	102,000	119,420
Airflow	CFM	350	400	600	800	1200	1700	2100	3000	
Temperature rise	°F	32.0	38.1	40.4	38.8	39.1	37.3	37.5	31.5	36.7
	°C	18.0	21.2	22.4	21.6	21.7	20.7	20.8	17.5	20.4
Fan size	inch	12				16		20		
	mm	305				407		508		
Fan speed	RPM	1725								
Fan horsepower	HP	1/4						1/2		
Temperature code T3	°F	—	392							—
	°C		200							
Temperature code T3A	°F	356	—							356
	°C	180								180
Temperature zone T3B	°F	—	329							—
	°C		165							

Mounting Brackets



Option	Description
CK20	For buildings with insufficient strength to use other types of mounting brackets—requires field-supplied 3-inch (75 mm) pipe—3 1/2-inch (87.5 mm) OD—minimum Schedule 40
CK25	Ideal and economical if adequate overhead structure exists—requires field-supplied 1/2-inch (12.5 mm) pipe—cut and threaded—minimum Schedule 40
CK26	Suitable for applications where support arm can be bolted or welded directly to structural steel or concrete
CK27	For use in buildings that have substantial walls—Z sections provide additional support where necessary

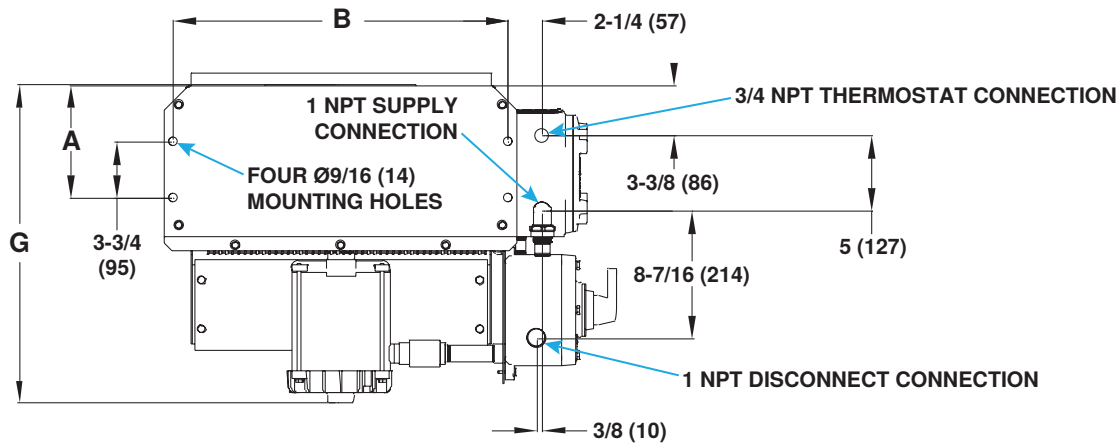
Shipping Weight

Component	Unit Size (kW)								
	3	5	7	10	15	20	25	30	35
	Pounds (kg)								
Heater	188			192	224		261		
CK20 bracket	24				26		27		
CK25 bracket	5								
CK26 bracket	17				19		20		
CK27 bracket	24				26		27		

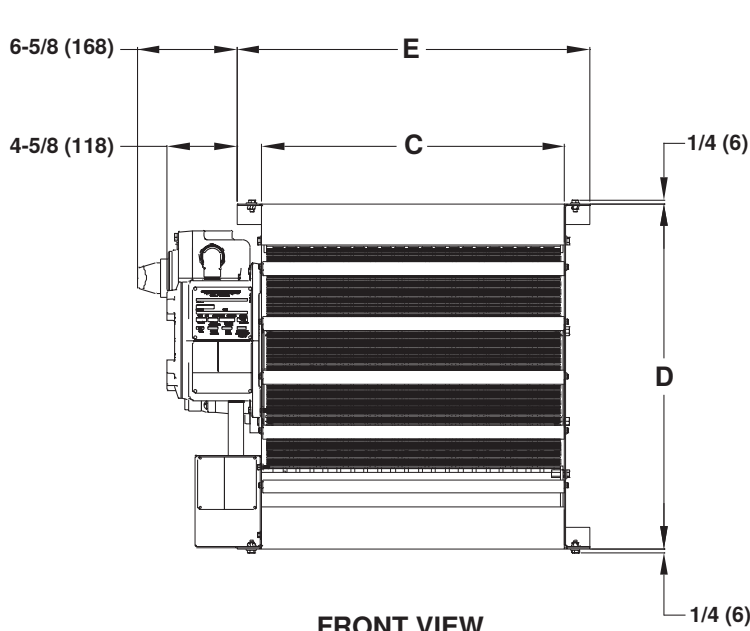
TECHNICAL SPECIFICATIONS—CONTINUED

Dimensions

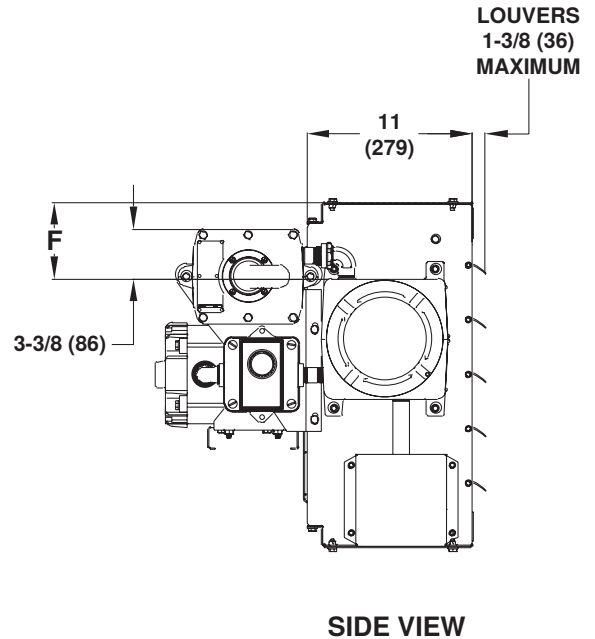
Dimension (See Graphic Below)	Unit Size (kW)								
	3	5	7	10	15	20	25	30	35
	Inches (mm)								
A	7.50 (190.50)								
B	18.19 (462)				22.28 (566)		26.26 (667)		
C	16.30 (414)				20.28 (515)		24.29 (617)		
D	19.00 (483)				23.00 (584)		27.00 (686)		
E	19.45 (494)				23.46 (596)		27.44 (697)		
F	3.10 (79)				5.10 (130)		7.10 (180)		
G	22.25 (565)						23.25 (591)		



TOP VIEW



FRONT VIEW



SIDE VIEW

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**

