# **REZNOR**<sup>®</sup>

# ELECTRIC HEATER CATALOG

	APPLICATIONS SPACE HEATING Entry Ways Stairwells Hallways
	Guard Houses Factories Workshops Garages Temporary Heat Residential
	REZNOR

# TIME TESTED. CONTRACTOR APPROVED.

# **REZNOR® IS YOUR GLOBAL LEADER IN HVAC TECHNOLOGY**

#### BACKGROUND

Reznor was founded in 1888 to manufacture the "Reznor" reflector heater, which used a luminous flame gas burner developed by George Reznor. This technological breakthrough was an immediate success and hastened the expansion of gas heating in residential and commercial applications. Technological development and innovation have been the hallmarks of Reznor products through the years. As a result of this pioneering role in the heating, makeup air and ventilating equipment field, the products offered today are the most advanced in engineering design to satisfy a wide variety of applications.

#### **SERVICES**

Product service requirements are handled through contractors and/or distributors, with backup from local representatives and factory-based service team. Replacement parts inventories for both warranty and non-warranty requirements are maintained at service centers throughout the country and at the manufacturing facilities.

For the Reznor Representative in your area, call 800-695-1901.

#### **ABOUT NORTEK GLOBAL HVAC**

For more than 100 years, Nortek Global HVAC has brought the latest innovations in heating, cooling and ventilation to homes, businesses and every place in between. Our vast portfolio of residential and light commercial brands offers efficient and dependable products that live up to their trusted reputation. We're always looking for the next advancement in HVAC because innovation is not only our legacy, it is our future.

In addition to Reznor product, Nortek Global HVAC and its subsidiaries build and sell HVAC systems under the Maytag<sup>®</sup>, Frigidaire<sup>®</sup>, Mammoth<sup>®</sup> and Gibson<sup>®</sup> brands, among others.



With more than 130 years of experience in gas heating and air conditioning, Reznor manufactures a wide range of industrial and commercial HVAC solutions. Founded in 1888 in Pennsylvania, Reznor is a global leader thanks to its innovative and economical solutions for heating, cooling, ventilation and air quality.

**EMC Forced-Air Cabinet** 

**EHA Forced-Air Architectural** 

EHC Commercial Wall Heater EHL Residential Wall Heater

**Mechanical Thermostats** 

**Electrical Fundamentals** 

**EBHB Electric Baseboard Heater** 

**Unit Heater** 

Wall Heater

6 9

10

13

15

# ContentsPageEGEB Cyclone Commercial<br/>Unit Heater4EGHB Industrial Suspended4

Unit Heater
EGW Economical Unit Heater
EXUB Explosion-Resistant Unit Heater
EWHB Wash Down Unit Heater
ECB/ECS Ceiling Forced-Air Diffuser

Page		Page
	Electric Current Table	29
17	Cross Reference Chart	29
20	Other Products	30
22	Color Chart	30
24		
26		

28

28

# EGEB CYCLONE COMMERCIAL UNIT HEATER

#### **FEATURES**

#### COLOR

Standard: almond

#### FINISH

Standard: epoxy/polyester powder paint

#### VOLTAGE

• 208V, 240V, 277V, 347V, 480V, 600V, 1 or 3-phase

#### CONSTRUCTION

- Draw-through design for more evenly heated air
- Specially designed outlet diffuser provides maximum air velocity
- Individually adjustable louvers to direct discharge Airflow
- · High-limit temperature control with automatic reset
- 18 and 20 gauge steel

#### FAN

- Motor totally enclosed thermally protected
- Motor mounted in ambient air stream, shielded from heating elements
- · Fan delay purges heater of residual heat for longer life

#### **HEATING ELEMENT**

- Stainless steel sheath with aluminum fins
- Draw-through design permits greater heat transfer



#### CONTROL

- All models have factory installed contactor
- 240/208V control circuit standard on all models (with transformer if needed)
- Full line of unit mounted control accessories available (factory or field installed)

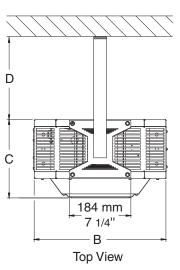
#### INSTALLATION

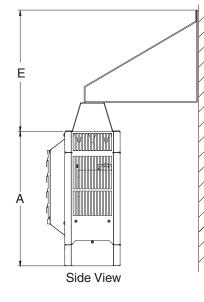
- Minimum mounting height:
   U.S. 6 ft. (1.8 m)
  - Canada 8 ft. (2.4m)
- Horizontal or vertical discharge Airflow
- Includes wall and ceiling mounting brackets (for horizontal discharge Airflow)
- For vertical Airflow 4 welded nuts (for threaded rod 3/8 inch x 16 UNC) provided in heater back
- Large and easily accessible control compartment

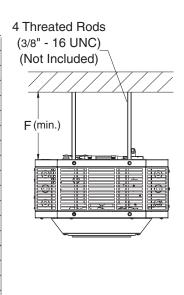
#### APPLICATION

Factory, warehouse, garage, store, shipping room

#### DIMENSIONS







REZNOR

# EGEB CYCLONE COMMERCIAL UNIT HEATER continued

	2 -	5kW	7.5 -	10kW	15 - 2	20kW
	mm	inch	mm	inch	mm	inch
Α	416	16 3/8	622	24 1/2	622	24 1/2
В	395	15 9/16	559	22	559	22
С	231	9 1/8	276	10 7/8	412	16 1/4
D	244	9 5/8	357	14 1/16	289	11 3/8
E	373	14 11/16	507	19 15/16	556	21 7/8
F	152	6	254	10	152	6
Weight	kg	lb	kg	lb	kg	lb
weight	18	40	30	67	41	90



#### **MODELS**

			Size	3	5	7	9	10	15	19	20
Heating Canacit	L.		kW	3	5	7.5	9.9	10	15	19.8	20
Heating Capacit	y .		MBH	10	17	26	34	34	51	68	68
Airflow			cfm	310	310	600	600	625	915	1300	1300
Temperature Ri			°F	31	51	40	52	51	52	49	49
remperature hi	56		°C	17	28	22	29	28	29	27	27
			HP	1/50	1/50	1/33	1/33	1/33	1/8	1/8	1/8
Motor		@ 208V	RPM	1490	1490	1490	1490		1490		
		240V and Higher	RPM	1550	1550	1550		1550	1550	1550	1550
Ship Weight			Lbs	40	40	67	67	67	90	90	90
•p			Kg	18	18	30	30	30	41	41	41
Factory Installe	-										
Country Code			BY15	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
		als	BY16	~	~	~	~	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
			AK15	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$				
			AK5					-	~		
			AK16	$\checkmark$	~	$\checkmark$		$\checkmark$			
Supply Voltage	l		AK6E						$\checkmark$	$\checkmark$	
Phase	@ 240V and Higher         ory Installed Options         ntry Code       Canadian Destination/Approvals         208/1-3 1         208/1-3 1         208/1-3 1         208/1-3 1         208/1-3 1         240/3         20/1-3 1         250/2         00/3         00/3         00/3         00/3         00/3         00/3         00/3         00/3         00/3         00/3         20/3         20/3         20/3         20/3         20/3		AK4	✓	✓	✓		✓			
			AK34	✓	✓	<ul> <li>✓</li> </ul>		$\checkmark$			
			AK9E	✓	✓	✓		<b>.</b>			
			AK7E	✓	✓	✓	-	✓	✓	-	✓
			AK8E	✓	✓	✓		✓ 	✓ 	-	✓ 
Disconnect Switch <sup>2</sup>			BA14	✓	~	~	 ✓	-		 ✓	
Switch -		Operatural V (alta and	BA15				V	$\checkmark$	$\checkmark$	V	~
0			070	~	~	~	~	~	~	~	~
Control Voltage			STD BT1	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓
		24	IC11	✓ ✓	✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓
Internal Thermostat			IC11	v	v	v	v	v	 ✓		 ✓
mermostat			BF4A						 ✓		v √
Fan Controls		uirad 24V control valtage	BF5	 ✓	v √	 ✓	v √	 ✓			
Field Installed (		aneu 24V control voltage	DF5	•	•	•	•	•	•	•	
i leid installed C	sphions (simpled separately)		Size	3	5	7	9	10	15	19	20
	Wall bracket for borizontal discharge		STD	√	√	· √	√ 	~	√	√	~
Mounting			STD	~	~	·	~	·	~	· √	~
Accessories		(rod by others)	STD	~	~	~	~	$\checkmark$	~	~	~
			IT13	$\checkmark$	~	~	$\checkmark$	~	~	~	~
	24V 40°F-80°F single stage wall thermostat	,	CL1A	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	SPST single stage line voltage wall thermostat		CL5	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	Kit to field install BF4A fan switch for 277 units or	less	CH2A	$\checkmark$	$\checkmark$						
Thermostats	Kit to field install BF4B fan switch for units over 27		CH2B	$\checkmark$	$\checkmark$						
	Kit to field install BF4C fan switch 277V units or le		CH2C			$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	Kit to field install BF4D fan switch for units over 2		CH2D			$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	Relay kti for 24V remote fan switch (by others). Re		IR3	~	$\checkmark$	~	~	~	~	~	$\checkmark$

<sup>1</sup> Models with the indications "1/3" can be field converted from 1 to 3-phase.

<sup>2</sup> For the U.S. only: The nominal current of the unit must not exceed 80% of the capacity of the disconnect.

# EGHB INDUSTRIAL SUSPENDED UNIT HEATER

#### **FEATURES**

#### COLOR

Standard: almond

#### FINISH

Standard: epoxy/polyester powder paint

#### VOLTAGE

- 208V, 240V, 277V, 347V, 480V, 600V, 1 or 3-phase
- Some units may be field converted from 3 to 1-phase

#### CONSTRUCTION

- 18 and 20-gauge steel
- Adjustable louvres to direct airflow
- High-limit temperature control with automatic reset

#### FAN

- Motor mounted in cold compartment
- Thermally-protected motor
- Totally enclosed and factory-lubricated ball bearing motor (except for 15 to 25kW at 208/240V)
- 58 dBA fan (2 to 10kW), 67 dBA fan (15 to 30kW) and 77 dBA fan (40 to 60kW)
- Fan delay purges heater of residual heat

#### **HEATING ELEMENT**

- Durable tubular heating elements; stainless steel (2 to 10kW); finned (15 to 60kW)
- Concentric disposition of heating elements
- Factory sealed element upon request

#### CONTROL

- All models have a factory-installed contactor
- 240/208V control circuit standard (with transformer if necessary)
- 24V relay, with or without transformer available
- Built-in thermostat available
- 120V control circuit available

# 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.



#### INSTALLATION

- Horizontal wall or ceiling mounting using one of two supplied brackets which allow 360° rotation (Horizontal mounting only for 40kW, 50kW and 60kW secured by 4 hooks [ceiling only])
- Vertical mounting using 4 threaded rods 1/2 inch X 13 UNC (not included) (except option -MD)
- Diffuser cones available (except option -MD)
- Large and easily accessible control compartment
- Maximum recommended height (horizontal): 2 to 10kW: 8 ft. (2.4 m); 15 to 30kW: 10 ft. (3 m); 40 to 60kW: 15 ft. (4.5 m)
- Protective screen allows lower mounting height (except 40 to 60kW)
- Minimum height of 8 ft. (2.4 m) for 40 to 60kW heaters
- 30 °C (85 °F) maximum operating ambient temperature

#### APPLICATION

Commercial hall, warehouse, stairwell, factory





# EGHB INDUSTRIAL SUSPENDED UNIT HEATER continued

#### **MODELS**

		Size	2	3	4	5	7	10	1	5	2	0	2	5	30	40	50	60
Heating Capacity	,	kW	2	3	4	5	7.5	10	15	15	20	20	25	25	30	40	50	60
neating capacity	1	MBH	7	10	14	17	26	34	51	51	68	68	85	85	102	136	171	205
Airflow		cfm	510	510	510	700	700	700	1300	1400	1300	1400	1300	1400	1400	2000	2000	2000
Tomporatura Bia		°F	13	18	25	23	34	45	36	34	49	45	61	56	68	63	79	95
Temperature Ris	e	°C	7	10	14	13	19	25	20	19	27	25	34	31	38	35	44	53
		HP	1/30	1/30	1/30	1/30	1/30	1/30	1/8	1/3	1/8	1/3	1/8	1/3	1/3	3/4	3/4	3/4
Motor	@ 277V and lower	RPM	1550	1550	1550	1550	1550	1550	1550		1550		1550					
	@ 480V and Higher	RPM	1550	1550	1550	1550	1550	1550		1725		1725		1725	1725	1140	1140	1140
0		Lbs	45	45	45	45	45	45	85	85	85	85	85	85	85	150	150	150
Ship Weight		Kg	20	20	20	20	20	20	39	39	39	39	39	39	39	68	68	68
Factory Installed	Options																	
	208/1	AK2	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$										
	208/3	AK5						$\checkmark$	$\checkmark$		$\checkmark$		$\checkmark$					
	208/3-1 1	AK15				$\checkmark$	$\checkmark$											
	240/1	AK3E	$\checkmark$	$\checkmark$	~	$\checkmark$	~	~										
	240/3	AK6E							$\checkmark$		$\checkmark$		$\checkmark$					
Supply Voltage/	240/3-1 1	AK16				$\checkmark$	$\checkmark$	$\checkmark$										
Phase	277/1	AK4	~	~	~	~	~											
	347/1	AK34	$\checkmark$	~	~	$\checkmark$	$\checkmark$											
	480/1	AK9E	$\checkmark$	~	$\checkmark$	$\checkmark$	~	$\checkmark$		$\checkmark$		~		$\checkmark$				
	480/3	AK7E	~	~	~	$\checkmark$	~	$\checkmark$		~		~		~	~	~		~
	600/3	AK8E	~	~	~	~	~	~		~	-	~	-	~	~	~	~	~
Triple Pole Conta		AN6	~	~	~	~	~	~	~	~	~	~	~	~	~	·	~	~
Thple I ble bolla	40A	BA14	~	~	~	~	~	~	~	~	~	~	~	~	~	~		
Disconnect	80A	BA15	√	· ✓	· ✓	✓	· ✓	✓	· ✓	✓	✓	· ✓	✓	· ✓	✓	· ✓		
Switch <sup>3</sup>	100A	BA16	· ~	· ~	✓	· ~	· ~	· ~	· ~	· ~	· ✓	· ✓	· ~	· ~	· ~	· √	√	· ✓
Branch Circuit F		BA12	· ~	• •	• •	· ~	· ~	· ~	• •	· ~	· ~	· ~	· ~	• •	· ~	• •	• •	• •
	mmer Fan Switch	BF4A	• ✓	• √	• ✓	• ✓	• ~	• ✓	• •	• ✓	• •	• •	• ✓	• •	• ✓	• ✓	• ✓	• •
onn mounted Su	208V, 240V, 277V	STD	• •	• •	• ✓	• •	•	• •	• •	~	• •	~	~	• •	• •	• •	• •	• •
Control Voltage	24V relay with transformer <sup>4</sup>	BT1	• •	• •	• •	• •	• •	~	• •	~	• •	~	~	• •	• •	• •	• •	• •
Control voltage	120V contactor with transformer	BT2	• ✓	• √	• ✓	▼ ✓	• ~	• ✓	• ✓	• ✓	• ✓	• •	• ✓	• ✓	• ✓	• ✓	• ✓	• ✓
Manual Linh Lim			• ✓	• √	• ✓	• ✓	• √	• ✓	• ✓	• ✓	• √	• ~	• ✓	• ✓	• ✓	• √	• ✓	• ✓
Manual High Lim Summer Fan	24V, remote control (Fan Switch must be	BD6	v	v	v	v	v	v	v	v	v	v	v	v	v	v	•	v
Relay	ordered separately)	CV24	$\checkmark$															
Internal Thermos		IC11	$\checkmark$															
	ptions (shipped separately)																	
		Size	2	3	4	5	7	10	1	5	2	0	2	5	30	40	50	60
F	Without transformer	IR24	~	~	~	~	~	~	~	~	~	~	~	~	~	~	√	√
24V Relay Kit <sup>5</sup>	240V transformer <sup>6</sup>	IR2B	$\checkmark$															
Unit Mounted Th		IT13	$\checkmark$	$\checkmark$	~	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	~	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Wall Mounted	Single-pole, low-voltage thermostat <sup>8</sup>	CL1A	$\checkmark$	~	~	$\checkmark$	~	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	~	$\checkmark$	$\checkmark$	$\checkmark$	~	$\checkmark$	$\checkmark$
Thermostats	Single-pole, single stage thermostat	CL5	~	· ✓	· ✓	~	· ✓	~	✓	~	~	· ✓	~	✓	~	· ✓	√	✓
Vertical Cone Dif		CD70	· ~	· √	√	· ~	· ~	· ~	· ✓	· ~	· ~	· ✓	· ~	· ✓	· ~	· √	√	· ✓
vertical cone Di	IUJCI	0010	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	· ·

 $^{1}\,$  Models with the indications "3/1" can be field converted from 3 to 1-phase.

<sup>2</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>3</sup> For the U.S. only: The nominal current of the unit must not exceed 80% of the capacity of the disconnect.

<sup>4</sup> For single or multiple unit control.

5 IR24: 24V signal by others (multiple units per thermostat). IR2B: for 24V thermostat on each unit.

6 All heaters have a 240V control circuit unless otherwise specified.

7 Field installed. Same thermostat as Option IC11.

8 CL1A thermostat requires option BT1.

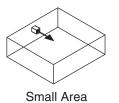
Standard color is almond.

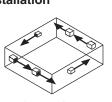


# EGHB INDUSTRIAL SUSPENDED UNIT HEATER continued

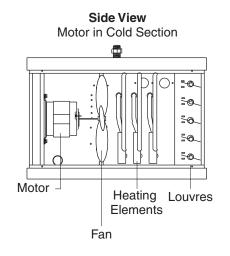
#### DIMENSIONS

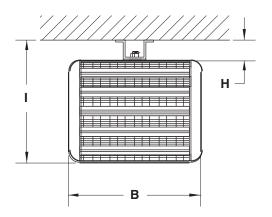
#### **Standard Installation**



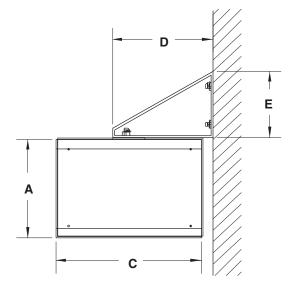


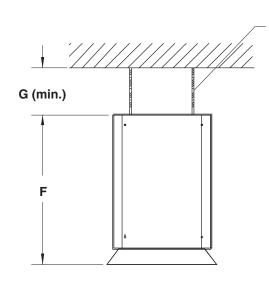
Large Area





	2 - 1	10kW	15 - 3	30kW	40 - 6	60kW
	mm	inch	mm	inch	mm	inch
Α	305	12	444	17 1/2	585	23
В	419	16 1/2	556	21 7/8	641	25 1/4
С	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
Н	123	4 7/8	148	5 13/16	305	12
I	428	16 7/8	592	23 5/16	890	35
Weight	kg	lb	kg	lb	kg	lb
weight	20	45	39	85	68	150





4 Threaded Rods (1/2" - 13 UNC) (Not Included)



Electric Heater Catalog • Page 8

# EGW ECONOMICAL UNIT HEATER

#### **FEATURES**

#### COLOR

Standard: almond

#### FINISH

Standard: epoxy/polyester powder paint

#### VOLTAGE

• 240/208V, 1-phase

#### CONSTRUCTION

- 20-gauge steel
- Adjustable louvres to control warm airflow
- High-limit temperature control with automatic reset (first level)

#### FAN

- 300 cfm fan (51 dBA)
- Totally enclosed factory-lubricated motor

#### **HEATING ELEMENT**

· Helical coil nickel-chromium alloy wire provides instant heat



#### CONTROL

Built-in thermostat included

#### INSTALLATION

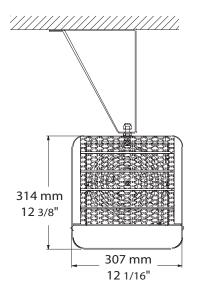
 Wall or ceiling mounting using the supplied brackets which allow 360° rotation of the heater and prevent it from tipping over

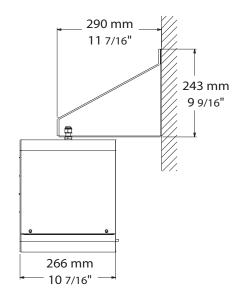
#### **APPLICATION**

• Garage, workshop

#### MODELS

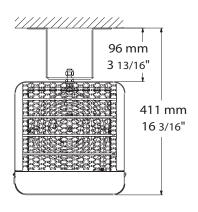
		Size	2	3	5
	@208/1	Watts	1500	2250	3750
Heating Conseits	@200/1	BTUH	5118	7677	12795
Heating Capacity	@240/1	Watts	2000	3000	5000
	@240/1	BTUH	6824	10236	17060
Chin Weight		Lbs	20	20	20
Ship Weight		Kg	9.1	9.1	9.1







Built-in thermostat and mounting brackets included.



# **EXUB EXPLOSION-RESISTANT UNIT HEATER**

#### FEATURES

#### COLOR

Standard: red

#### FINISH

Standard: epoxy/polyester powder paint

#### VOLTAGE

• 208V, 240V, 480V, 600V, 1 or 3-phase

#### CONSTRUCTION

- 14-gauge steel cabinet
- · Adjustable anodized aluminum louvers
- Cast aluminum control and element enclosure lids NEMA Type 7 and 9 with O-ring
- Fan Guard: multiple horizontal stiffening wires

#### PROTECTION

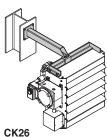
- High temperature pressure relief device
- Two high-limit temperature controls: one with automatic reset and one with manual reset

#### FAN

- Explosion-resistant, thermally protected, permanently lubricated ball bearing motor
- 3 to 20kW: 1/4 HP, 1725 rpm
- 25 to 35kW: 1/2 HP, 1725 rpm

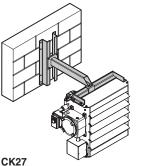
#### **TEMPERATURE CODE**

- Division System: 5 30kW: T3B 165 °C (329 °F) 3/35kW: T3A 180 °C (356 °F)
- Zone System: T3 200 °C (392 °F)



Basic Mounting Bracket Suitable for applications where the support arm can be bolted or welded directly to structural steel or concrete.





Wall Mounting Bracket For use in buildings that have substantial walls. The Z sections provide additional support where necessary.



#### **HEAT EXCHANGER**

- High grade metal-sheathed elements fins with ethylene glycol/water solution.
- · Long-life, low watt density.
- Evacuated and sealed, carbon steel tube core with 10 aluminum fins per inch

#### CONTROL

- 120V control (standard)
- Optional 24V control
- · Optional built-in or wall thermostat
- Optional disconnect switch

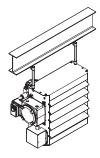
#### **INSTALLATION**

Accessories available

#### **APPLICATION**

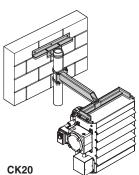
• Paint room, petrochemical plant, refinery, chemical plant, mining industry, sawmill

# Consult the Electrical Code in your area before installing this unit.



CK25

Hanging Mounting Bracket Ideal and economical if adequate overhead structure exists. Requires 1/2 in. (12.5 mm) pipe, cut and threaded (min. Sch. 40) not supplied.



Pipe Mounting Bracket For buildings with insufficient strengthto use other types of mounting brackets. Requires 3 in. (75 mm) pipe (3 1/2 in. [87.5 mm] O.D., min. Sch. 40) not supplied.

# EXUB EXPLOSION-RESISTANT UNIT HEATER continued

#### **MODELS**

		Size	3	5	7	10	15	20	25	30
Heating Capacity		kW	3	5	7.5	10	15	20	25	30
neating capacity		MBH	10	17	26	34	51	68	85	102
Airflow		cfm	350	400	600	800	1200	1700	2100	3000
Temperature Rise		°F	32	38.1	40.4	38.8	39.1	37.3	37.5	31.5
remperature rise		°C	18	21.2	22.4	21.6	21.7	20.7	20.8	17.5
T° Code						T3B =	= 329°F /	165°C		
Ship Weight		Lbs	188	188	188	192	224	224	261	261
Ship weight		Kg	85.3	85.3	85.3	87.1	101.6	101.6	118.4	118.4
Factory Installed Option	IS									
	208/1	AK2	$\checkmark$	$\checkmark$	$\checkmark$					
	208/3	AK5	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$			
Supply Voltage/Phase	240/1	AK3E	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$				
Supply voltage/Filase	240/3	AK6E	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$			
	480/3	AK7E	$\checkmark$							
	600/3	AK8E	$\checkmark$							
Internal Thermostat		IX34	$\checkmark$							
Control Voltage	120V Controls	STD	$\checkmark$							
Control Voltage	24V Controls	BT1	$\checkmark$							
Disconnect Switch		BAX1	$\checkmark$							
Field Installed Options	(shipped separately)									
		Size	3	5	7	10	15	20	25	30
	Pipe hanger brackets (1/2" pipe not included)	CK25	$\checkmark$							
	Wall mounting arm with flange (bolt or weld to steel or concrete)	CK26	$\checkmark$							
	Wall mounting arm with "Z" supports (block wall)	CK27	$\checkmark$	$\checkmark$	$\checkmark$	~	$\checkmark$	$\checkmark$	$\checkmark$	~
Mounting Accessories	Pole mounting arm (requires 3.5" OD pipe - not included)	CK20	$\checkmark$							
Mounting Accessories		CK25	5	5	5	5	5	5	5	5
		CK26	17	17	17	17	19	19	20	20
	Ship Weight (lbs)	CK27	24	24	24	24	26	26	27	27
		CK20	24	24	24	24	26	26	27	27
Explosion-Resistant Wa	all Thermostat (40°-80°F)	CX1	$\checkmark$	~						
Explosion-Resistant Wa		XDC-01	$\checkmark$	$\checkmark$	$\checkmark$	~	$\checkmark$	$\checkmark$	$\checkmark$	~

Standard color is red.

#### **APPROVED LOCATIONS**

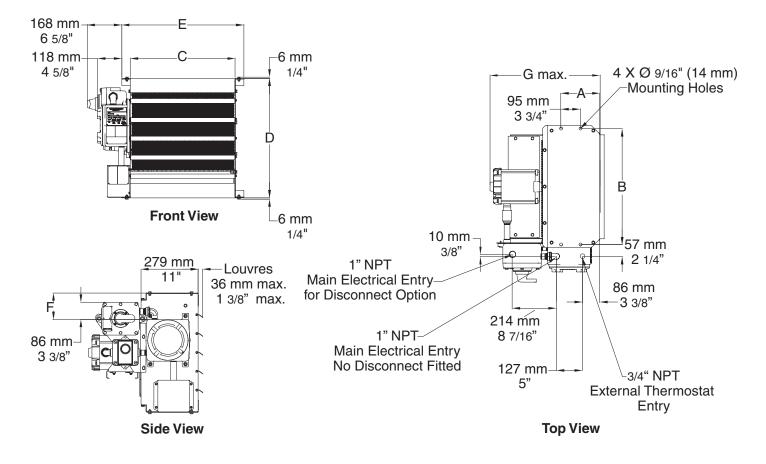
Class I, Divisions 1 and 2, Groups C and D. Class II, Divisions 1 and 2, Groups F and G. Temperature code: T3B (5 to 30kW), T3A (35kW). Class I, Zones 1 & 2 , Groups IIA & IIB, T3.

#### **TEMPERATURE LIMITATIONS**

Ambient temperature: -45 °C to 40 °C (-49 °F to 104 °F). Maximum altitude: 3048 m (10 000 ft.) above sea level.



# EXUB EXPLOSION-RESISTANT UNIT HEATER continued



Models	5 - 1	l0kW	15 - 2	20kW	25 - 3	35kW
wouers	inch	mm	inch	mm	inch	mm
Fan	12	305	16	406.4	20	508
Α	7.5	190.5	7.5	190.5	7.5	190.5
В	18.19	462	22.28	566	26.26	667
С	16.3	414	20.28	515	24.29	617
D	19	483	23	584	27	686
E	19.45	494	23.46	596	27.44	697
F	3.1	79	5.1	130	7.1	180
G	22.25	565	22.25	565	23.25	591



# **EWHB WASH DOWN UNIT HEATER**

#### **FEATURES**

#### VOLTAGE

• 208V, 240V, 480V, 600V, 1 or 3-phase

#### CONSTRUCTION

- 16-gauge, stainless steel, moisture and corrosion resistant housing
- Adjustable, stainless steel outlet louvres
- · Stainless steel rear grille to protect against accidental contact with the fan blade
- High-limit temperature control with automatic reset
   (manual reset available upon request)
- NEMA 4X non-metallic electrical enclosure
- Disconnect switch (40A max.) available

#### FAN

- Anodized aluminum, delayed-action fan.
- · Enclosed motor with permanently lubricated ball bearing for longer life
- Epoxy-painted fan

#### **HEATING ELEMENT**

• Sealed tubular heating element with stainless steel fins

#### CONTROL

- 24V control circuit with transformer and contactor
- Built-in capillary thermostat included
- Pilot light "power-on indicator" included
- Fan switch control available

#### MODELS

MODELS											
		Size	3	5	7	10	15	20	25	30	38
Heating Capacity		kW	3	5	7.5	10	15	20	25	30	38.4
ricating capacity		MBH	10	17	26	34	51	68	85	102	131
Airflow		cfm	700	700	700	1450	2400	2400	2400	2400	2400
Temperature Rise		°F	14	24	35	22	21	28	35	42	54
remperature mise		°C	8	13	19	12	12	16	19	23	30
Air Throw		Ft	26	26	26	43	50	50	50	50	50
All Hillow		М	8	8	8	13	15	15	15	15	15
Ship Weight		Lbs	70	70	70	70	130	130	130	130	130
Ship weight		Kg	32	32	32	32	59	59	59	59	59
Factory Installed (	Options										
	208/1	AK2	$\checkmark$	$\checkmark$	$\checkmark$						
	208/3	AK5	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$				
Supply Voltage/	240/1	AK3E	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$					
Phase	240/3	AK6E	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$				
	480/3	AK7E	$\checkmark$								
	600/3	AK8E	$\checkmark$								
Control Voltage	24V Controls with Contactor	STD	$\checkmark$								
Fan Switch	Unit Mounted, Water Tight	BF4B	$\checkmark$								
Disconnect Switcl	h Water Tight, 600V, 3-Pole, 40A	BA5A	$\checkmark$								
Pilot Light	(included)	BE13									
Thermostat	Internal, Water Tight (included)	ICI8	$\checkmark$								
Field Installed Opt	tions (shipped separately)										
		Size	3	5	7	10	15	20	25	30	38
Thermostat	NEMA 4X, range 4 °C to 43 °C (40 °F to 110 °F): 25A at 120V, 208V, 240V - 22A at 277V	CL5A	$\checkmark$								



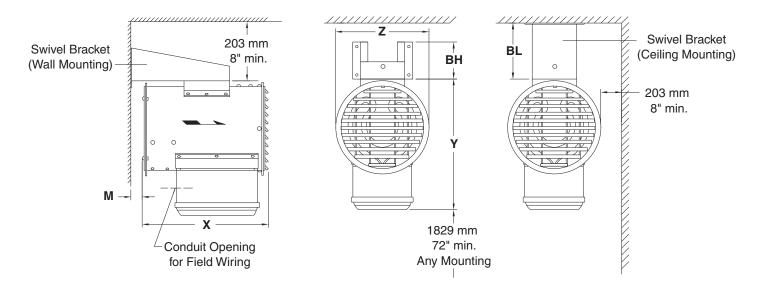
#### **INSTALLATION**

- Electrical enclosure located at bottom of unit for ease of installation and servicing
- Stainless steel swivel mounting bracket included, for wall or ceiling mounting

#### **APPLICATION**

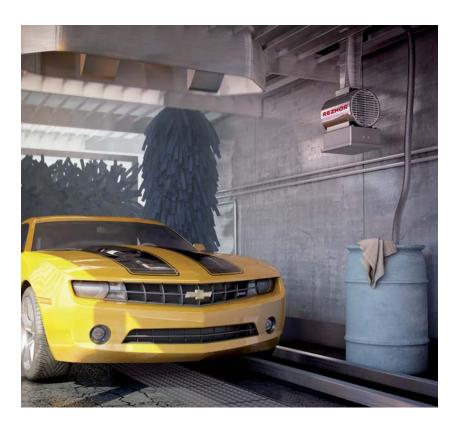
• Food industry, water treatment plant, marine and offshore, car wash, dairy

# EWHB WASH DOWN UNIT HEATER continued



Models	2	K	٦	ſ	Z		BH		BL		_ M		Weigh	
Models	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
3 - 7.5kW	390	15 1/2	550	21 1/2	330	13	110	4 1/4	490	19 1/8	220	8 1/2	70	32
7.6 - 12kW	390	15 1/2	550	21 1/2	330	13	110	4 1/4	490	19 1/8	220	8 1/2	70	32
12.1 - 47kW	660	26	710	28	510	20	180	7 1/8	570	22 1/4	80	3 1/4	130	60

<sup>1</sup> Shipping weight.





# **ECR/ECS CEILING FORCED-AIR DIFFUSER**

#### **FEATURES**

#### COLOR

· White or almond options

#### FINISH

Standard: epoxy/polyester powder paint

#### VOLTAGE

• 208V, 240V, 277V, 347V, 480V, 600V, 1 or 3-phase

#### CONSTRUCTION

- Outlet grille made of flat ribbon wire
- · High-limit temperature control with automatic reset

#### FAN

- · Totally enclosed and lifetime-lubricated ball bearing motor
- Fan delay purges heater of residual heat

#### HEATING ELEMENT

Three stainless steel tubular heating elements with aluminum fins

#### CONTROL

- · Line voltage control standard
- Built-in 240V contactor for: all units from 5 to 10kW, all units at 347V, 480V, 600V, all units at 3-phase
- 24V and 120V control circuit available
- Built-in tamper-proof thermostat available
- 24V relay (with or without transformer) available
- Continuous circulation controlled by a built-in switch with power-on indicator light available (-CV)

# Any remote thermostat or relay must be connected to the heater control terminal block

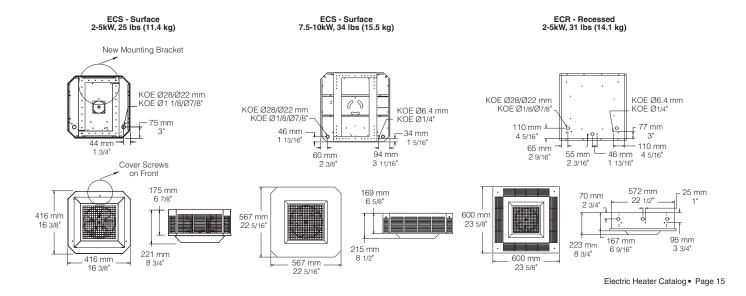


#### INSTALLATION

- Recommended height: between 8 ft (2.4 m) and 12 ft (3.6 m)
- Recessed into insulated or T-bar ceiling (ECR)
- Surface mounting (ECS)

#### **APPLICATION**

 Apartment building, commercial building, drop ceiling, stairwell, garage



# ECR/ECS CEILING FORCED-AIR DIFFUSER continued

#### MODELS

MODELO			Size	2	3	4	5	7	10
			W	2000	3000	4000	5000	7500	10000
	Ceiling Fan Heater - Forced	Heating Capacity	BTUH	6800	10250	13650	17075	25600	34150
ECS	Air Diffuser, Ceiling Surface — Mounted		cfm	310	310	310	310	600	600
	Mounted		Lbs	25/31	25/31	25/31	25/31	34	34
		Ship Weight	Kg	11/14	11/14	11/14	11/14	15	15
			Size	2	3	4	5		
			W	2000	3000	4000	5000		
	Ceiling Fan Heater - Forced	Heating Capacity	BTUH	6800	10250	13650	17075		
ECR	Air Diffuser, Ceiling Recessed		cfm	310	310	310	310		
	Mounted		Lbs	310	310	310	310		
		Ship Weight	Kg	14	14	14	14		
Factory Installed Options			ĸy	14	14	14	14		
	208/1	6	AK2	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	208/3		AK5	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	240/	1	AK3E	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	240/	3	AK6E	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Supply Voltage/Phase	277/	1	AK4	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	347/	1	AK34	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	480/	1	AK9E	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	480/	480/3			$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	600/	600/1			$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	600/	600/3			$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Cabinet Color (Lead times	Whit	e	HK1	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
may be increased for color other than white)	Almor	nd	HK2	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	208V. 240V	, 277V <sup>1</sup>	STD	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Control Voltage	24V Relay with	Transformer	BT1	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
-	120V Contro	ol Circuit	BT2	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Internal Tamper-proof Ther	mostat		ICI5	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	Up to 277V, 2	-Pole, 20A	BA21	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		
Disconnect Switch <sup>2</sup>	600V, 3-Pc	le, 40A	BA14	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	600V, 3-Pc	le, 80A	BA15	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Terminals for Remote Fan	Includes Pi	lot Light	BB12	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Field Installed Options (shi	pped separately)								
			Size	2	3	4	5	7	10
Wall Mounted Thermostat	Single-pole, low-voltage <sup>3</sup>		CL1A	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	Single-pole, single-stage		CL5	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
24V Control Relay Kit <sup>4</sup> Mounting Accessory <sup>5</sup>	Without transformer		IR24	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$

1 208V/240V is standard on all units except 277V/1. Contactors are standard on 3-phase units and single phase units 5 kW and larger or over 300V.

<sup>2</sup> For the U.S. only: The nominal current of the unit must not exceed 80% of the capacity of the disconnect.

3 CL1A thermostat requires option BT1

<sup>4</sup> IR24: 24V signal by others (multiple units per thermostat).

<sup>5</sup> For surface mount Model ECS only. Model ECR lays into T-Bar grid. No adapter is required.

6 ECS10 is rated at 9.9kW at 208V.



# **EMC FORCED-AIR CABINET UNIT HEATER**

#### **FEATURES**

#### COLOR

• White or almond options

#### FINISH

Standard: epoxy/polyester powder paint

#### VOLTAGE

• 208V, 240V, 277V, 347V, 480V, 600V, 1 or 3-phase

#### CONSTRUCTION

- 18-gauge steel
- · Extruded aluminum bar grilles prevent insertion of foreign objects
- Field changeable air inlet and outlet
- High-limit temperature control with automatic reset
- 240V control circuit included
- Optional fresh air inlet damper
- Optional air filters

#### FAN

- Direct drive, variable speed squirrel-cage fan operating
- Fan delay
- 240/208V factory-lubricated motor (1/15 HP)
- 2 speed-motor available (1600/1500 rpm)



#### **HEATING ELEMENT**

Durable tubular heating element with fins

#### CONTROL

• Wide range of control available

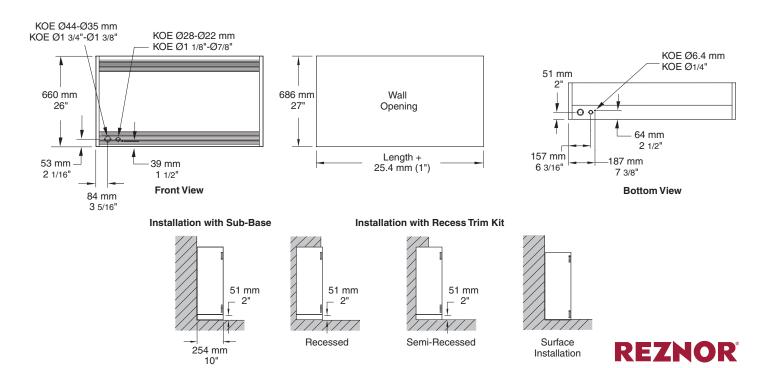
Manufacturer highly recommends the use of a wall thermostat for greater comfort.

#### INSTALLATION

- Multi-position mounting (surface, semi-recessed, recessed)
- Maximum recommended installation height: 10 ft (3 m)
- Recess trim kit available for recessed or semi-recessed units
- Sub-base and special back plate available

#### APPLICATION

Hallway, entry way, exhibition center



# EMC FORCED-AIR CABINET UNIT HEATER continued

#### **MODELS**

			Size	2	3	4	5	6	8	10	12	15	18	20	24
			w	2000	3000	4000	5000	6000	8000	10000	12000	15000	18000	20000	24000
		High	MBH	6825	10250	13650	17075	20500	27325	34150	40975	51225	61475	68300	81950
Heating Capacity	/	1	W	1333	1000	2667	3333	4000	4000	5000	6000	10000	12000	10000	12000
		Low	MBH	4550	3400	9100	11375	13650	13650	17075	20500	34150	40975	34150	40975
Airflow		High	cfm	250	250	250	250	250	500	500	500	750	750	1000	1000
AITIOW		Low	cfm	200	200	200	200	200	400	400	400	600	600	800	800
Ship Weight			Lbs	115	115	115	115	115	146	146	146	210	210	240	240
Ship weight			Kg	52.3	52.3	52.3	52.3	52.3	66.4	66.4	66.4	95.5	95.5	109.1	109.1
Cabinet Lengths			in	28	28	28	28	28	48	48	48	66	66	80	80
			mm	711	711	711	711	711	1219	1219	1219	1676	1676	2032	2032
Factory Installed	I Options														
		208/1	AK2	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
		208/3	AK5	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
		240/1	AK3E	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
		240/3	AK6E	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Supply Voltage/F	Phase	277/1	AK4	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
		347/1	AK34	~	~	~	~	~	~	~	~				
		480/1	AK9E	√	√	√	√	√	√	√	√	-			-
		480/3	AK7E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		600/1	AK10	✓	✓	✓	✓	<ul> <li>✓</li> </ul>	✓	✓	✓	<ul> <li>✓</li> </ul>	<ul> <li>✓</li> </ul>	✓	✓
		600/3	AK8E	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Cabinet Color (Lead times may	be	White (STD)	HK1	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
increased for co other than white		Almond	HK2	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Control Voltogo	2	208V, 240V <sup>1</sup>	STD	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Control Voltage	24V	with transformer	BT1	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	On / Star	ndby / Heating Switch	BF10	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Unit Mounted Sv	vitches On /	Auto Fan Switch	BF23	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	Hi / Lov	w Fan / Heat Switch	BF24	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Fresh Air Inlet <sup>2</sup>	with	Manual Damper	ARB2	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	with N	Motorized Damper	ARB4	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Disconnect Swit	ch <sup>3</sup> 600	0V, 3-Pole, 40A	BA14	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	600	0V, 3-Pole, 80A	BA15	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Branch Circuit F	-		BA12	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Manual High Lim			BD6	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	proof Thermostat ptions (shipped separate	1-Stage	IC15	~	~	√	~	~	~	~	~	√	√	~	~
Wall Mounted	Single-pole, low-voltage	thermostat <sup>4</sup>	CL1A	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Thermostats	Single-pole, single stage		CL5	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
			IR24	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
24V Relay Kit <sup>5</sup>	24V relay with transform	er <mark>6</mark>	IR2B	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
S		Standard	HZ3	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Filters (Wall Mou	inted Units Only)	Washable	HX4	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Sub-Base	2" sub-bas	se for wall mount	HY7	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Color Matched		ssed trim kit													
Trim Options		nish back plate 7													

1 Standard voltage is 208V/240V unless otherwise noted.

<sup>2</sup> Do not install a built-in thermostat with these options.

<sup>3</sup> For the U.S. only: The nominal current of the unit must not exceed 80% of the capacity of the disconnect.

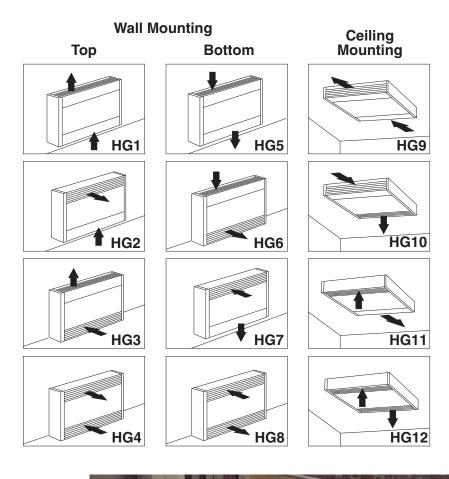
<sup>4</sup> CL1A thermostat requires BT1 option.

5 IR24: 24V signal by others (multiple units per thermostat). IR2B: for 24V thermostat on each unit.

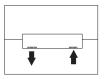
6 All heaters have 240V control circuit.

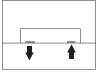
7 For mounting heater on glass wall. Configuration HG3, HG4, HG6, & HG8 only.

# EMC FORCED-AIR CABINET UNIT HEATER continued



Ceiling



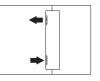


Semi-Recessed

Recessed

HG12 Type Mounting Only

Wall





Semi-Recessed Recessed HG4 and HG8 Type Mounting Only





# EHA FORCED-AIR ARCHITECTURAL WALL HEATER

#### **FEATURES**

#### COLOR

• White or almond options

#### FINISH

- Standard: epoxy/polyester powder paint
- Optional: anodized aluminum

#### VOLTAGE

• 120V, 208V, 240/208V, 277V, 347V, 480V, 600V, 1-phase

#### CONSTRUCTION

- Extruded aluminum front grille, 1/8 in. (3.2 mm) thick
- Bottom air outlet
- High-limit temperature control with automatic reset

#### FAN

- Closed, factory-lubricated motor
- 160 cfm fan (single unit: 55 dBA); 2 X 160 cfm fan (double unit: 58 dBA), 3 X 160 cfm fan (triple unit: 61 dBA)
- Fan delay purges heater of residual heat

#### **HEATING ELEMENT**

• Durable tubular heating element with fins



#### CONTROL

- Built-in tamper proof thermostat included
- 24V relay, with or without transformer available

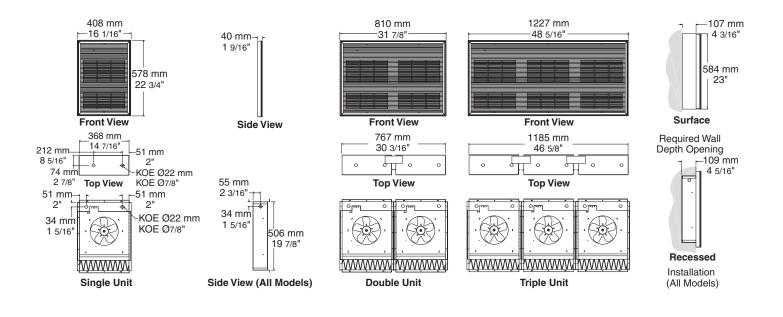
Note: Thermostat is not included in heater with factory installed relay. Any remote thermostat or relay must be connected to the heater control terminal block.

#### INSTALLATION

- Minimum clearance from the floor and adjacent walls: 10 in. (25.4 cm).
- Adaptor for surface mounting available.
- Up to 3 units can be mounted side-by-side

#### APPLICATION

• Apartment building, commercial building, entrance way, stairwell, garage





# EHA FORCED-AIR ARCHITECTURAL WALL HEATER continued

#### **MODELS**

MODELO		Size	1	2	3	4	5
		W	1500	2000	3000	4000	4800
Heating Capacity		втин	5125	6825	10250	13660	16400
		Lbs	24	24	24	24	24
Ship Weight		Kg	10.9	10.9	10.9	10.9	10.9
Factory Installed Options							
	120/1	AK1E	$\checkmark$				
	208/1	AK2		$\checkmark$		$\checkmark$	$\checkmark$
Supply Voltage/Phase	240/1 <sup>1</sup>	AK3E	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
	277/1	AK4	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	480/1	AK9E	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Cabinet Color (Lead times	White	HK1	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
nay be increased for color -	Almond	HK2	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Thermostat	Hidden, tamper-proof, built-in thermostat	STD	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	120V, 208V, 240V, 277V & 480V	STD	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Control Voltage	24V Relay with transformer <sup>2</sup>	BT1	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Disconnect Switch <sup>3</sup>	Up to 277V, 2-pole, 20A	BA21	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Disconnect Switch	600V max., 3-pole, 40A	BA14	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Field Installed Options (shippe	d separately)						
		Size	1	2	3	4	5
Color Matched Trim Packages	Surface mounting box required for non-recessed units	HY6	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$

1 Units with Option AK3E (240V supply voltage) can be connected to 208V power supply, but heating output will be reduced by 25%.

<sup>2</sup> Built-in transformer is not included with 24V control voltage (Option BT1).

<sup>3</sup> For the U.S. only: The nominal current of the unit must not exceed 80% of the capacity of the disconnect.





# **EHC COMMERCIAL WALL HEATER**

#### **FEATURES**

#### COLOR

• White or almond options

#### FINISH

Standard: epoxy/polyester powder paint

#### VOLTAGE

• 120V, 208V, 240/208V, 277V, 347V, 480V, 600V, 1 or 3-phase

#### CONSTRUCTION

- 18-gauge steel front cover
- Bottom air outlet
- · High-limit temperature control with automatic reset

#### FAN

- Closed, factory-lubricated motor
- 160 cfm fan (single unit: 55 dBA); 2 X 160 cfm fan (double unit: 58 dBA); 3 X 160 cfm fan (triple unit: 61 dBA)
- · Fan delay purges heater of residual heat

#### **HEATING ELEMENT**

• Durable tubular heating element with fins

#### CONTROL

- · Built-in thermostat included with control knob or tamper proof
- 24V relay, with or without transformer available

Note: Thermostat is not included in heater with factory installed relay. Any remote thermostat or relay must be connected to the heater control terminal block.

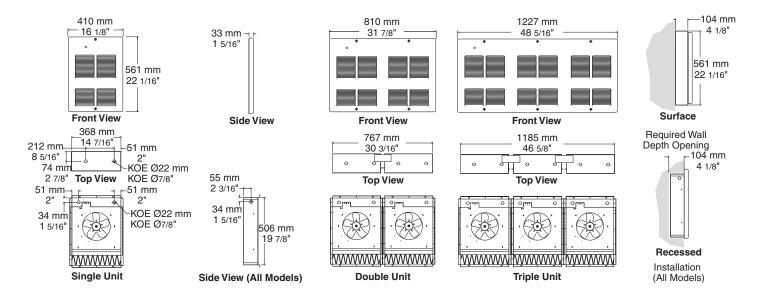


#### INSTALLATION

- Minimum clearance from the floor and adjacent walls: 10 in. (25.4 cm).
- Adaptor for surface mounting available.
- Up to 3 units can be mounted side-by-side

#### APPLICATION

Apartment building, commercial building, entrance
 way, stairwell, garage



# EHC COMMERCIAL WALL HEATER continued

#### **MODELS**

MODLLO										
		Size	1	2	3	4	5			12
Heating Capaci	tv	W	1500	2000	3000	4000	4800			12000
	-9	BTUH	5125	6825	10250	13660	16400	20500	27620	40975
Ship Weight		Lbs	24	24	24	24	24	0       20500       27620         90.0       50         9       40.9       22.7         •       •       •    <	90.0	
omp weight		Kg	10.9	10.9	10.9	10.9	10.9	40.9	22.7	40.9
Factory Installe	d Options									
	120/1	AK1E	$\checkmark$							
	208/1	AK2		$\checkmark$		$\checkmark$	$\checkmark$		$\checkmark$	
	208/3	AK5								$\checkmark$
	240/1 1	AK3E	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Supply Voltage	240/3	AK6E								$\checkmark$
Phase	347/1	<b>AK</b> 34	$\checkmark$	$\checkmark$	✓	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	480/1	AK9E	$\checkmark$	~	✓	$\checkmark$	$\checkmark$	~	$\checkmark$	$\checkmark$
	480/3	AK7E								$\checkmark$
	600/1	AK10	$\checkmark$	$\checkmark$	✓	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
	600/3	AK8E								$\checkmark$
	White	HK1								$\checkmark$
Cabinet Color	Almond	HK2	$\checkmark$	~	✓	$\checkmark$	~	~	~	$\checkmark$
Control Voltage	208V, 240V <sup>2</sup>	STD	$\checkmark$	~	✓	$\checkmark$	~	~	~	$\checkmark$
Unit Mounted F		BF23	$\checkmark$	$\checkmark$	✓	$\checkmark$	$\checkmark$	✓	$\checkmark$	$\checkmark$
	Up to 277V, 2-pole, 20A	BA21	$\checkmark$	$\checkmark$	✓	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Disconnect Switch <sup>3</sup>	600V, 3-pole, 40A	<b>BA14</b>	$\checkmark$	$\checkmark$	✓	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Switch	600V, 3-pole, 80A	BA15	$\checkmark$	~	✓	$\checkmark$	~	~	~	$\checkmark$
Field Installed C	Options (shipped separately)									
		Size	1	2	3	4	5	6	8	12
	Surface mounting box required for non-recessed units	HY6	$\checkmark$	✓	✓	$\checkmark$	~	~	~	$\checkmark$
Color Matched	1" recessed trim kit	HY4A	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
Trim Packages	2" recessed trim kit	HY4B	$\checkmark$	~	~	$\checkmark$	~	~	~	~

1 Units with Option AK3E (240V supply voltage) can be connected to 208V power supply, but heating output will be reduced by 25%.

2 208V/240V control (& fan motor) is standard on all units.

<sup>3</sup> For the U.S. only: The nominal current of the unit must not exceed 80% of the capacity of the disconnect.





# **EHL RESIDENTIAL WALL HEATER**

#### **FEATURES**

#### COLOR

• White or almond options

#### FINISH

Standard: epoxy/polyester powder paint

#### VOLTAGE

• 120V, 208V, 240/208V, 1-phase

#### CONSTRUCTION

- 20-gauge steel cabinet
- 22-gauge steel front cover
- · High-limit temperature control with automatic reset

#### FAN

- Quiet fan operating
- 500W to 1000W; 40 cfm fan and 1250W to 2000W; 80 cfm fan
- Factory-lubricated motor

#### **HEATING ELEMENT**

- Durable tubular heating element with fins
- Factory sealed element upon request



#### CONTROL

 Built-in thermostat available with a control knob or tamper-proof.

# Note: If an electronic thermostat is used, it must be compatible with forced-air heaters.

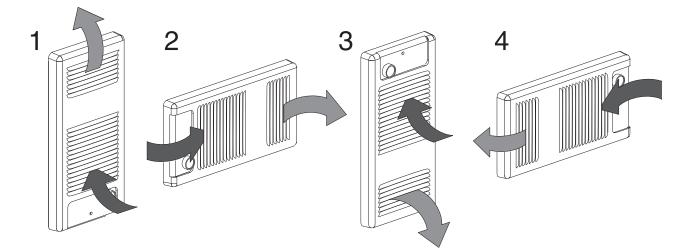
#### INSTALLATION

- The air outlet should be installed at least 10 in.
   (25.4 cm) above floor
- Quick installation with recess box mounting holes
- Large wiring compartment
- May be recessed in 2 in. X 3 in. stud partitions
- Surface mounting box available
- Tight fit with V-shaped recess box

#### **APPLICATION**

• Entrance way, kitchen, bathroom, family room, basement

#### Four mounting positions available. Pictures showing front panel. Directional vane airflow.





Electric Heater Catalog • Page 24

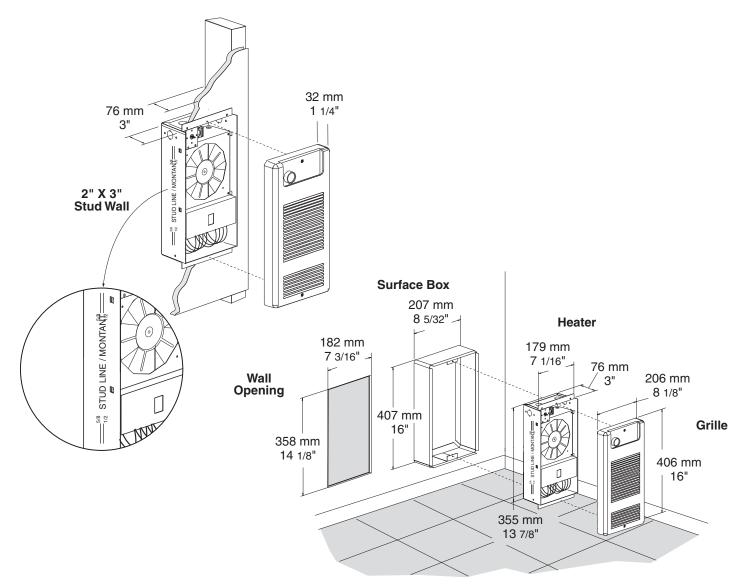
# EHL RESIDENTIAL WALL HEATER continued

#### MODELS

		Size	1000	1500	2000
Heating Consoity		W	1000	1500	2000
Heating Capacity		BTUH	3415	5125	6825
Chin Wainht		Lbs	9	9	9
Ship Weight		Kg	4	4	4
Factory Installed Options					
O	Canadian Destination/Approvals	BY15	$\checkmark$	$\checkmark$	$\checkmark$
Country Code	US Destination/Approvals	BY16	$\checkmark$	$\checkmark$	$\checkmark$
	120/1	AK1	$\checkmark$	$\checkmark$	
Supply Voltage/Phase	240/1 1	AK3E	$\checkmark$	$\checkmark$	$\checkmark$
	White	HK1	$\checkmark$	$\checkmark$	$\checkmark$
Cabinet Color	Almond	HK2	$\checkmark$	$\checkmark$	$\checkmark$
Thermostat	Thermostat with control knob	ICI5	$\checkmark$	$\checkmark$	$\checkmark$
Disconnect Switch <sup>2</sup>	277 max., 20A	BA21	$\checkmark$	$\checkmark$	$\checkmark$
Field Installed Options (shippe	d separately)				
		Size	1	2	3
Color Matched Trim Packages	Surface mounting box required for non-recessed units	HY6	$\checkmark$	$\checkmark$	$\checkmark$

1 Units with Option AK3E (240V supply voltage) can be connected to 208V power supply, heating capacity will be reduced by 25%

<sup>2</sup> For the U.S. only: The nominal current of the unit must not exceed 80% of the capacity of the disconnect.



# **EBHB ELECTRIC BASEBOARD HEATER**

#### **FEATURES**

#### COLOR

- Standard: Semi-gloss powdered paint finish in white, almond optional
- Optional Special Stock Finishes: See special color chart for available finishes

#### FINISH

- Standard: 4H pencil hardness epoxy/polyester powder coat paint
- May be repainted with any interior paint

#### VOLTAGE

120V, 208V, 240/208V, 277V, 347V, 480V, 600V, 1-phase

#### CONSTRUCTION

- Robust 22-gauge tight fit body
- Sturdy 20-gauge front panel with design embossed lines
- Welded 20-gauge junction box to back wrap, easy rear access wiring panel
- Rounded upper corners and junction box sides
- · Linear high-limit temperature control with automatic reset
- High altitude version available (-HA) up to 8200 ft

#### FAN

- Quiet fan operating
- 500W to 1000W; 40 cfm fan and 1250W to 2000W; 80 cfm fan
- · Factory-lubricated motor

#### **HEATING ELEMENT**

- Stainless steel tubular heating element with aluminum fins
- Floating stainless steel heating element on high-temperature nylon bushings eliminating expansion noises
- Aluminum diamond shape element fins position for maximized heat transfer
- Element locked in place by screw on a stainless steel support

#### DIMENSION

- See Table on page 28
- · Small height and slim depth for economy of space
- · Standard watt density and low watt density models



#### CONTROL

- A wide selection of built-in controls available
- · Built-in thermostat kit can be installed at either end
- Built-in relay kit fits in the right end box only
- A compartment for low voltage connections (located directly under the junction box) facilitates the installation of low voltage relay in electric baseboard

# Manufacturer highly recommends using an electronic wall thermostat for greater comfort and **efficiency.**

#### INSTALLATION

- No disassembly installation with single-screw built-in rear entry wire holder
- Installation directly on the floor with connection box at both ends of the heater
- Two rows of oblong mounting holes with center mark for ease of installation
- Raceway and side knock-outs for baseboard interconnections

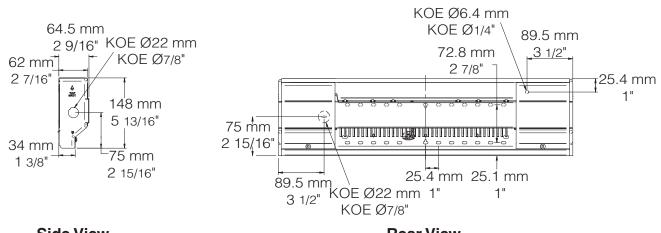
Note: Stainless steel tubular heating element on all sizes eliminates potential for 60 Hz hum. Locked-in-place element, mounting slot holes and overall construction maximizes performance, quality and more.

#### **APPLICATION**

Residential and light commercial applications. Living areas, bedrooms, etc

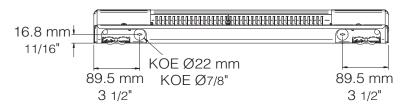


### EBHB ELECTRIC BASEBOARD HEATER continued



Side View

**Rear View** 



#### **Bottom View**

#### **MODELS**

		Size	3	5	8	10	13	15	18	20	23 <sup>1</sup>	25 <sup>1</sup>
		Watts	300	500	750	1000	1250	1500	1750	2000	2250	2500
Heating Capaci	ty	BTUH	10	17	26	34		51		68		85
Longth		in.	22-3/4	27-3/4	37-3/4	48	60	72	75-1/2	96	93	102-1/4
Length		mm	577	702	956	1217	1524	1829	1916	2439	2364	2596
Ship Woight		Lbs	4.5	5.4	7.0	8.7	10.7	12.7	13.2	16.6	16.2	17.8
Ship Weight		Kg	2.0	2.4	3.2	3.9	4.9	5.7	6.0	7.5	7.3	8.0
Factory Installe	d Options											
	120/1	AK1E	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$				
Supply Voltage Phase	208/1	AK15	$\checkmark$	$\checkmark$								
i nuoo	240/1 <b>2</b>	AK3E	$\checkmark$	$\checkmark$								
	White	HK1	$\checkmark$	$\checkmark$								
Cabinet Color	Almond	HK2	$\checkmark$	$\checkmark$								
	Special Color	SPEC					Call for a	vailabilit	у			
High-limit	Up to 6,000 ft	AB15	$\checkmark$	$\checkmark$								
Temperature Control <sup>3</sup>	3,000 to 8200 ft	AB16	$\checkmark$	$\checkmark$								
	120V, 208V, 240V	STD	$\checkmark$	$\checkmark$								
Control Voltage	24V Relay	BT1	$\checkmark$	$\checkmark$								
Field Installed (	Options (shipped separately)											
		Size	3	5	7	10	13	15	18	20	23 <sup>1</sup>	25 <sup>1</sup>
Wall Mounted	Light duty line voltage thermostat; single-pole, single-throw	CL5L	$\checkmark$	$\checkmark$								
Thermostat	Light duty line voltage thermostat; double-pole, single-throw	CL5D	$\checkmark$	$\checkmark$								
Unit Mounted	Single-pole, bimetal thermostat	IT14	$\checkmark$	$\checkmark$								
	Double-pole, bimetal thermostat <sup>4</sup>	IT15	$\checkmark$	$\checkmark$								
Thermostat	Single-pole, bimetal, tamper-proof thermostat	IT16	$\checkmark$	$\checkmark$								
	Double-pole, bimetal, temper-proof thermostat 4	IT17	$\checkmark$	$\checkmark$								

<sup>1</sup> Sizes 23 and 25 MUST be ordered in pairs to minimize shipping damage.

<sup>2</sup> Units with Option AK3E (240V supply voltage) can be connected to 208V power supply, heating capacity will be reduced by 25%.

<sup>3</sup> High-limit temperature control is based on elevation.

4 "Off" position.

Other voltages available upon request.

# **MECHANICAL THERMOSTATS**

#### MODELS

#### CL5

Mechanical, wall mounted, line voltage thermostat, single-pole, single-throw. Not for use with model EXB.

#### CL1A

Wall mounted, single-pole, low-voltage thermostat. Not for use with model EXB.

#### CX1

Explosion resistant, wall mounted thermostat, 40°80°F.



**OHM'S LAW** 

# **ELECTRICAL FUNDAMENTALS**

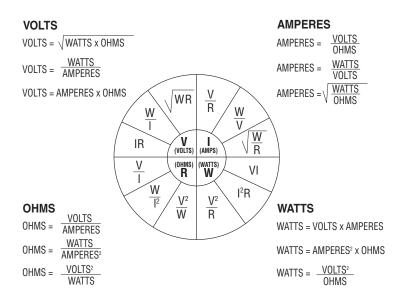
The relationship between Wattage (heat) output and the applied Voltage of electric resistance heating elements is determined by a precise physical rule defined as Ohm's Law which states that the current in a resistance heating element is directly proportional to the applied Voltage. Ohm's Law is traditionally expressed as:

I = E B	Where:	L	= Amperes (Current)
' = R		Е	= Voltage
		R	= Ohms (Resistance)

The same equation using the conventional abbreviation for voltage is:

$$I = \begin{cases} V & Where: I = Amperes (Current) \\ R & V = Voltage \\ R = Ohms (Resistance) \end{cases}$$

An unknown electrical value can be derived by using any two known values in one of the variations of Ohm's Law shown at the right.









Electric Heater Catalog • Page 28

# **ELECTRIC CURRENT TABLE**

kw120V (1)208V (1)208V (3)240V (1)240V (3)277V (1)0.32.501.450.831.250.721.090.43.341.921.111.670.971.450.54.172.411.392.091.211.810.65.002.891.662.501.452.170.756.253.612.093.131.812.710.86.673.852.233.341.932.891.08.344.812.784.172.413.611.210.005.773.345.002.894.341.2510.426.013.475.213.014.521.411.676.733.895.843.385.061.512.507.224.176.253.615.421.613.347.704.456.673.865.781.7514.598.424.877.304.226.322.016.679.625.568.344.827.222.2518.7510.826.259.385.428.132.52.08412.026.9510.426.029.033.025.0014.438.3412.507.2310.834.033.3419.2311.1216.679.6414.444.537.5021.6412.5018.7510.8416.25 <tr<< th=""><th>Power</th><th></th><th></th><th>Voltag</th><th>je (ph)</th><th></th><th></th></tr<<>	Power			Voltag	je (ph)		
0.4 $3.34$ $1.92$ $1.11$ $1.67$ $0.97$ $1.45$ $0.5$ $4.17$ $2.41$ $1.39$ $2.09$ $1.21$ $1.81$ $0.6$ $5.00$ $2.89$ $1.66$ $2.50$ $1.45$ $2.17$ $0.75$ $6.25$ $3.61$ $2.09$ $3.13$ $1.81$ $2.71$ $0.8$ $6.67$ $3.85$ $2.23$ $3.34$ $1.93$ $2.89$ $1.0$ $8.34$ $4.81$ $2.78$ $4.17$ $2.41$ $3.61$ $1.2$ $10.42$ $6.01$ $3.47$ $5.21$ $3.01$ $4.52$ $1.4$ $11.67$ $6.73$ $3.89$ $5.84$ $3.38$ $5.06$ $1.5$ $12.50$ $7.22$ $4.17$ $6.25$ $3.61$ $5.42$ $1.6$ $13.34$ $7.70$ $4.45$ $6.67$ $3.86$ $5.78$ $1.75$ $14.59$ $8.42$ $4.87$ $7.30$ $4.22$ $6.32$ $2.0$ $16.67$ $9.62$ $5.56$ $8.34$ $4.82$ $7.22$ $2.25$ $10.82$ $6.25$ $9.38$ $5.42$ $8.13$ $2.5$ $20.84$ $12.02$ $6.95$ $10.42$ $6.02$ $9.03$ $3.0$ $25.00$ $14.43$ $8.34$ $12.50$ $7.23$ $10.83$ $4.0$ $33.34$ $19.23$ $11.12$ $16.67$ $9.64$ $14.44$ $4.5$ $37.50$ $21.64$ $12.50$ $18.75$ $10.84$ $16.25$ $5.0$ $41.67$ $24.04$ $31.90$ $28.85$ $16.68$	kW	120V (1)	208V (1)	208V (3)	240V (1)	240V (3)	277V (1)
0.5 $4.17$ $2.41$ $1.39$ $2.09$ $1.21$ $1.81$ $0.6$ $5.00$ $2.89$ $1.66$ $2.50$ $1.45$ $2.17$ $0.75$ $6.25$ $3.61$ $2.09$ $3.13$ $1.81$ $2.71$ $0.8$ $6.67$ $3.85$ $2.23$ $3.34$ $1.93$ $2.89$ $1.0$ $8.34$ $4.81$ $2.78$ $4.17$ $2.41$ $3.61$ $1.2$ $10.00$ $5.77$ $3.34$ $5.00$ $2.89$ $4.34$ $1.25$ $10.42$ $6.01$ $3.47$ $5.21$ $3.01$ $4.52$ $1.4$ $11.67$ $6.73$ $3.89$ $5.84$ $3.38$ $5.06$ $1.5$ $12.50$ $7.22$ $4.17$ $6.25$ $3.61$ $5.42$ $1.6$ $13.34$ $7.70$ $4.45$ $6.67$ $3.86$ $5.78$ $1.75$ $14.59$ $8.42$ $4.87$ $7.30$ $4.22$ $6.32$ $2.0$ $16.67$ $9.62$ $5.56$ $8.34$ $4.82$ $7.22$ $2.25$ $18.75$ $10.82$ $6.25$ $9.38$ $5.42$ $8.13$ $2.5$ $20.84$ $12.02$ $6.95$ $10.42$ $6.02$ $9.03$ $3.0$ $25.00$ $14.43$ $8.34$ $12.50$ $7.23$ $10.83$ $4.0$ $33.34$ $192.3$ $11.12$ $16.67$ $9.64$ $14.44$ $4.5$ $37.50$ $21.64$ $12.50$ $18.75$ $10.84$ $16.25$ $5.0$ $41.67$ $24.04$ $13.90$ $20.84$ <td< td=""><td>0.3</td><td>2.50</td><td>1.45</td><td>0.83</td><td>1.25</td><td>0.72</td><td>1.09</td></td<>	0.3	2.50	1.45	0.83	1.25	0.72	1.09
0.6 $5.00$ $2.89$ $1.66$ $2.50$ $1.45$ $2.17$ $0.75$ $6.25$ $3.61$ $2.09$ $3.13$ $1.81$ $2.71$ $0.8$ $6.67$ $3.85$ $2.23$ $3.34$ $1.93$ $2.89$ $1.0$ $8.34$ $4.81$ $2.78$ $4.17$ $2.41$ $3.61$ $1.2$ $10.00$ $5.77$ $3.34$ $5.00$ $2.89$ $4.34$ $1.25$ $10.42$ $6.01$ $3.47$ $5.21$ $3.01$ $4.52$ $1.4$ $11.67$ $6.73$ $3.89$ $5.84$ $3.38$ $5.61$ $1.5$ $12.50$ $7.22$ $4.17$ $6.25$ $3.61$ $5.42$ $1.6$ $13.34$ $7.70$ $4.45$ $6.67$ $3.86$ $5.78$ $1.75$ $14.59$ $8.42$ $4.87$ $7.30$ $4.22$ $6.32$ $2.0$ $16.67$ $9.62$ $5.56$ $8.34$ $4.82$ $7.22$ $2.25$ $18.75$ $10.82$ $6.25$ $9.38$ $5.42$ $8.13$ $2.5$ $20.84$ $12.02$ $6.95$ $10.42$ $6.02$ $9.03$ $3.0$ $25.00$ $14.43$ $8.34$ $12.50$ $7.23$ $10.84$ $4.5$ $37.50$ $21.64$ $12.50$ $18.75$ $10.84$ $16.25$ $5.0$ $41.67$ $24.04$ $13.90$ $20.84$ $12.05$ $18.05$ $6.0$ $50.00$ $28.85$ $16.68$ $25.00$ $14.45$ $21.66$ $7.5$ $62.50$ $36.06$ $20.84$ $31.25$ <	0.4	3.34	1.92	1.11	1.67	0.97	1.45
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.5	4.17	2.41	1.39	2.09	1.21	1.81
0.8 $6.67$ $3.85$ $2.23$ $3.34$ $1.93$ $2.89$ $1.0$ $8.34$ $4.81$ $2.78$ $4.17$ $2.41$ $3.61$ $1.2$ $10.00$ $5.77$ $3.34$ $5.00$ $2.89$ $4.34$ $1.25$ $10.42$ $6.01$ $3.47$ $5.21$ $3.01$ $4.52$ $1.4$ $11.67$ $6.73$ $3.89$ $5.84$ $3.38$ $5.06$ $1.5$ $12.50$ $7.22$ $4.17$ $6.25$ $3.61$ $5.42$ $1.6$ $13.34$ $7.70$ $4.45$ $6.67$ $3.86$ $5.78$ $1.75$ $14.59$ $8.42$ $4.87$ $7.30$ $4.22$ $6.32$ $2.0$ $16.67$ $9.62$ $5.56$ $8.34$ $4.82$ $7.22$ $2.25$ $18.75$ $10.82$ $6.25$ $9.38$ $5.42$ $8.13$ $2.5$ $20.84$ $12.02$ $6.95$ $10.42$ $6.02$ $9.03$ $3.0$ $25.00$ $14.43$ $8.34$ $12.50$ $7.23$ $10.83$ $4.0$ $33.34$ $19.23$ $11.12$ $16.67$ $9.64$ $14.44$ $4.5$ $37.50$ $21.64$ $12.50$ $18.75$ $10.84$ $16.25$ $5.0$ $41.67$ $24.04$ $13.90$ $20.84$ $12.05$ $18.05$ $6.0$ $50.00$ $28.85$ $16.68$ $25.00$ $14.45$ $21.66$ $7.5$ $62.50$ $36.16$ $27.08$ $33.34$ $19.27$ $28.88$ $9.0$ $75.00$ $43.27$ $25.01$ <t< td=""><td>0.6</td><td>5.00</td><td>2.89</td><td>1.66</td><td>2.50</td><td>1.45</td><td>2.17</td></t<>	0.6	5.00	2.89	1.66	2.50	1.45	2.17
1.0 $8.34$ $4.81$ $2.78$ $4.17$ $2.41$ $3.61$ $1.2$ $10.00$ $5.77$ $3.34$ $5.00$ $2.89$ $4.34$ $1.25$ $10.42$ $6.01$ $3.47$ $5.21$ $3.01$ $4.52$ $1.4$ $11.67$ $6.73$ $3.89$ $5.84$ $3.38$ $5.06$ $1.5$ $12.50$ $7.22$ $4.17$ $6.25$ $3.61$ $5.42$ $1.6$ $13.34$ $7.70$ $4.45$ $6.67$ $3.86$ $5.78$ $1.75$ $14.59$ $8.42$ $4.87$ $7.30$ $4.22$ $6.32$ $2.0$ $16.67$ $9.62$ $5.56$ $8.34$ $4.82$ $7.22$ $2.25$ $18.75$ $10.82$ $6.25$ $9.38$ $5.42$ $8.13$ $2.5$ $20.84$ $12.02$ $6.95$ $10.42$ $6.02$ $9.03$ $3.0$ $25.00$ $14.43$ $8.34$ $12.50$ $7.23$ $10.83$ $4.0$ $33.34$ $19.23$ $11.12$ $16.67$ $9.64$ $14.44$ $4.5$ $37.50$ $21.64$ $12.50$ $18.75$ $10.84$ $16.25$ $5.0$ $41.67$ $24.04$ $13.90$ $20.84$ $12.05$ $18.05$ $6.0$ $50.00$ $28.85$ $16.68$ $25.00$ $14.45$ $21.66$ $7.5$ $62.50$ $36.06$ $20.84$ $31.25$ $18.06$ $27.08$ $8.0$ $66.67$ $38.47$ $22.23$ $33.34$ $19.27$ $28.88$ $9.0$ $75.00$ $43.27$ $25.01$ <	0.75	6.25	3.61	2.09	3.13	1.81	2.71
1.2 $10.00$ $5.77$ $3.34$ $5.00$ $2.89$ $4.34$ $1.25$ $10.42$ $6.01$ $3.47$ $5.21$ $3.01$ $4.52$ $1.4$ $11.67$ $6.73$ $3.89$ $5.84$ $3.38$ $5.06$ $1.5$ $12.50$ $7.22$ $4.17$ $6.25$ $3.61$ $5.42$ $1.6$ $13.34$ $7.70$ $4.45$ $6.67$ $3.86$ $5.78$ $1.75$ $14.59$ $8.42$ $4.87$ $7.30$ $4.22$ $6.32$ $2.0$ $16.67$ $9.62$ $5.56$ $8.34$ $4.82$ $7.22$ $2.25$ $18.75$ $10.82$ $6.25$ $9.38$ $5.42$ $8.13$ $2.5$ $20.84$ $12.02$ $6.95$ $10.42$ $6.02$ $9.03$ $3.0$ $25.00$ $14.43$ $8.34$ $12.50$ $7.23$ $10.83$ $4.0$ $33.34$ $19.23$ $11.12$ $16.67$ $9.64$ $14.44$ $4.5$ $37.50$ $21.64$ $12.50$ $18.75$ $10.84$ $16.25$ $5.0$ $41.67$ $24.04$ $13.90$ $20.84$ $12.05$ $18.05$ $6.0$ $50.00$ $28.85$ $16.68$ $25.00$ $14.45$ $21.66$ $7.5$ $62.50$ $36.06$ $20.84$ $31.25$ $18.06$ $27.08$ $8.0$ $66.67$ $38.47$ $22.23$ $33.34$ $19.27$ $28.88$ $9.0$ $75.00$ $43.27$ $25.01$ $37.50$ $21.68$ $32.49$ $10.0$ $83.34$ $48.08$	0.8	6.67	3.85	2.23	3.34	1.93	2.89
1.25 $10.42$ $6.01$ $3.47$ $5.21$ $3.01$ $4.52$ $1.4$ $11.67$ $6.73$ $3.89$ $5.84$ $3.38$ $5.06$ $1.5$ $12.50$ $7.22$ $4.17$ $6.25$ $3.61$ $5.42$ $1.6$ $13.34$ $7.70$ $4.45$ $6.67$ $3.86$ $5.78$ $1.75$ $14.59$ $8.42$ $4.87$ $7.30$ $4.22$ $6.32$ $2.0$ $16.67$ $9.62$ $5.56$ $8.34$ $4.82$ $7.22$ $2.25$ $18.75$ $10.82$ $6.25$ $9.38$ $5.42$ $8.13$ $2.5$ $20.84$ $12.02$ $6.95$ $10.42$ $6.02$ $9.03$ $3.0$ $25.00$ $14.43$ $8.34$ $12.50$ $7.23$ $10.83$ $4.0$ $33.34$ $19.23$ $11.12$ $16.67$ $9.64$ $14.44$ $4.5$ $37.50$ $21.64$ $12.50$ $18.75$ $10.84$ $16.25$ $5.0$ $41.67$ $24.04$ $13.90$ $20.84$ $12.05$ $18.05$ $6.0$ $50.00$ $28.85$ $16.68$ $25.00$ $14.45$ $21.66$ $7.5$ $62.50$ $36.06$ $20.84$ $31.25$ $18.06$ $27.08$ $8.0$ $66.67$ $38.47$ $22.23$ $33.34$ $19.27$ $28.88$ $9.0$ $75.00$ $43.27$ $25.01$ $37.50$ $21.68$ $32.49$ $10.0$ $83.34$ $48.08$ $27.79$ $41.67$ $24.09$ $36.11$ $12.0$ $100.00$ $57.70$ <td>1.0</td> <td>8.34</td> <td>4.81</td> <td>2.78</td> <td>4.17</td> <td>2.41</td> <td>3.61</td>	1.0	8.34	4.81	2.78	4.17	2.41	3.61
1.4 $11.67$ $6.73$ $3.89$ $5.84$ $3.38$ $5.06$ $1.5$ $12.50$ $7.22$ $4.17$ $6.25$ $3.61$ $5.42$ $1.6$ $13.34$ $7.70$ $4.45$ $6.67$ $3.86$ $5.78$ $1.75$ $14.59$ $8.42$ $4.87$ $7.30$ $4.22$ $6.32$ $2.0$ $16.67$ $9.62$ $5.56$ $8.34$ $4.82$ $7.22$ $2.25$ $18.75$ $10.82$ $6.25$ $9.38$ $5.42$ $8.13$ $2.5$ $20.84$ $12.02$ $6.95$ $10.42$ $6.02$ $9.03$ $3.0$ $25.00$ $14.43$ $8.34$ $12.50$ $7.23$ $10.83$ $4.0$ $33.34$ $19.23$ $11.12$ $16.67$ $9.64$ $14.44$ $4.5$ $37.50$ $21.64$ $12.50$ $18.75$ $10.84$ $16.25$ $5.0$ $41.67$ $24.04$ $13.90$ $20.84$ $12.05$ $18.05$ $6.0$ $50.00$ $28.85$ $16.68$ $25.00$ $14.45$ $21.66$ $7.5$ $62.50$ $36.06$ $20.84$ $31.25$ $18.06$ $27.08$ $8.0$ $66.67$ $38.47$ $22.23$ $33.34$ $19.27$ $28.88$ $9.0$ $75.00$ $43.27$ $25.01$ $37.50$ $21.68$ $32.49$ $10.0$ $83.34$ $48.08$ $27.79$ $41.67$ $24.09$ $36.11$ $12.0$ $100.00$ $57.70$ $33.25$ $50.00$ $28.90$ $43.33$ $14.0$ $116.67$ $67.$	1.2	10.00	5.77	3.34	5.00	2.89	4.34
1.5 $12.50$ $7.22$ $4.17$ $6.25$ $3.61$ $5.42$ $1.6$ $13.34$ $7.70$ $4.45$ $6.67$ $3.86$ $5.78$ $1.75$ $14.59$ $8.42$ $4.87$ $7.30$ $4.22$ $6.32$ $2.0$ $16.67$ $9.62$ $5.56$ $8.34$ $4.82$ $7.22$ $2.25$ $18.75$ $10.82$ $6.25$ $9.38$ $5.42$ $8.13$ $2.5$ $20.84$ $12.02$ $6.95$ $10.42$ $6.02$ $9.03$ $3.0$ $25.00$ $14.43$ $8.34$ $12.50$ $7.23$ $10.83$ $4.0$ $33.34$ $19.23$ $11.12$ $16.67$ $9.64$ $14.44$ $4.5$ $37.50$ $21.64$ $12.50$ $18.75$ $10.84$ $16.25$ $5.0$ $41.67$ $24.04$ $13.90$ $20.84$ $12.05$ $18.05$ $6.0$ $50.00$ $28.85$ $16.68$ $25.00$ $14.45$ $21.66$ $7.5$ $62.50$ $36.06$ $20.84$ $31.25$ $18.06$ $27.08$ $8.0$ $66.67$ $38.47$ $22.23$ $33.34$ $19.27$ $28.88$ $9.0$ $75.00$ $43.27$ $25.01$ $37.50$ $21.68$ $32.49$ $10.0$ $83.34$ $48.08$ $27.79$ $41.67$ $24.09$ $36.11$ $12.0$ $100.00$ $57.70$ $33.25$ $50.00$ $28.90$ $43.33$ $14.0$ $116.67$ $67.31$ $38.91$ $58.33$ $33.72$ $50.54$ $15.0$ $125.00$ <	1.25	10.42	6.01	3.47	5.21	3.01	4.52
1.6 $13.34$ $7.70$ $4.45$ $6.67$ $3.86$ $5.78$ $1.75$ $14.59$ $8.42$ $4.87$ $7.30$ $4.22$ $6.32$ $2.0$ $16.67$ $9.62$ $5.56$ $8.34$ $4.82$ $7.22$ $2.25$ $18.75$ $10.82$ $6.25$ $9.38$ $5.42$ $8.13$ $2.5$ $20.84$ $12.02$ $6.95$ $10.42$ $6.02$ $9.03$ $3.0$ $25.00$ $14.43$ $8.34$ $12.50$ $7.23$ $10.83$ $4.0$ $33.34$ $19.23$ $11.12$ $16.67$ $9.64$ $14.44$ $4.5$ $37.50$ $21.64$ $12.50$ $18.75$ $10.84$ $16.25$ $5.0$ $41.67$ $24.04$ $13.90$ $20.84$ $12.05$ $18.05$ $6.0$ $50.00$ $28.85$ $16.68$ $25.00$ $14.45$ $21.66$ $7.5$ $62.50$ $36.06$ $20.84$ $31.25$ $18.06$ $27.08$ $8.0$ $66.67$ $38.47$ $22.23$ $33.34$ $19.27$ $28.88$ $9.0$ $75.00$ $43.27$ $25.01$ $37.50$ $21.68$ $32.49$ $10.0$ $83.34$ $48.08$ $27.79$ $41.67$ $24.09$ $36.11$ $12.0$ $100.00$ $57.70$ $33.25$ $50.00$ $28.90$ $43.33$ $14.0$ $116.67$ $67.31$ $38.91$ $58.33$ $33.72$ $50.54$ $15.0$ $125.00$ $72.12$ $41.69$ $62.50$ $36.13$ $54.16$ $18.0$ $150.00$	1.4	11.67	6.73	3.89	5.84	3.38	5.06
1.75 $14.59$ $8.42$ $4.87$ $7.30$ $4.22$ $6.32$ $2.0$ $16.67$ $9.62$ $5.56$ $8.34$ $4.82$ $7.22$ $2.25$ $18.75$ $10.82$ $6.25$ $9.38$ $5.42$ $8.13$ $2.5$ $20.84$ $12.02$ $6.95$ $10.42$ $6.02$ $9.03$ $3.0$ $25.00$ $14.43$ $8.34$ $12.50$ $7.23$ $10.83$ $4.0$ $33.34$ $19.23$ $11.12$ $16.67$ $9.64$ $14.44$ $4.5$ $37.50$ $21.64$ $12.50$ $18.75$ $10.84$ $16.25$ $5.0$ $41.67$ $24.04$ $13.90$ $20.84$ $12.05$ $18.05$ $6.0$ $50.00$ $28.85$ $16.68$ $25.00$ $14.45$ $21.66$ $7.5$ $62.50$ $36.06$ $20.84$ $31.25$ $18.06$ $27.08$ $8.0$ $66.67$ $38.47$ $22.23$ $33.34$ $19.27$ $28.88$ $9.0$ $75.00$ $43.27$ $25.01$ $37.50$ $21.68$ $32.49$ $10.0$ $83.34$ $48.08$ $27.79$ $41.67$ $24.09$ $36.11$ $12.0$ $100.00$ $57.70$ $33.25$ $50.00$ $28.90$ $43.33$ $14.0$ $116.67$ $67.31$ $38.91$ $58.33$ $33.72$ $50.54$ $15.0$ $125.00$ $72.12$ $41.69$ $62.50$ $36.13$ $54.16$ $18.0$ $150.00$ $15.39$ $66.69$ $100.00$ $57.80$ $86.65$ $25.0$ <td< td=""><td>1.5</td><td>12.50</td><td>7.22</td><td>4.17</td><td>6.25</td><td>3.61</td><td>5.42</td></td<>	1.5	12.50	7.22	4.17	6.25	3.61	5.42
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.6	13.34	7.70	4.45	6.67	3.86	5.78
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.75	14.59	8.42	4.87	7.30	4.22	6.32
2.5 $20.84$ $12.02$ $6.95$ $10.42$ $6.02$ $9.03$ $3.0$ $25.00$ $14.43$ $8.34$ $12.50$ $7.23$ $10.83$ $4.0$ $33.34$ $19.23$ $11.12$ $16.67$ $9.64$ $14.44$ $4.5$ $37.50$ $21.64$ $12.50$ $18.75$ $10.84$ $16.25$ $5.0$ $41.67$ $24.04$ $13.90$ $20.84$ $12.05$ $18.05$ $6.0$ $50.00$ $28.85$ $16.68$ $25.00$ $14.45$ $21.66$ $7.5$ $62.50$ $36.06$ $20.84$ $31.25$ $18.06$ $27.08$ $8.0$ $66.67$ $38.47$ $22.23$ $33.34$ $19.27$ $28.88$ $9.0$ $75.00$ $43.27$ $25.01$ $37.50$ $21.68$ $32.49$ $10.0$ $83.34$ $48.08$ $27.79$ $41.67$ $24.09$ $36.11$ $12.0$ $100.00$ $57.70$ $33.25$ $50.00$ $28.90$ $43.33$ $14.0$ $116.67$ $67.31$ $38.91$ $58.33$ $33.72$ $50.54$ $15.0$ $125.00$ $72.12$ $41.69$ $62.50$ $36.13$ $54.16$ $18.0$ $150.00$ $86.54$ $50.02$ $75.00$ $43.35$ $64.99$ $20.0$ $166.67$ $96.16$ $55.58$ $83.34$ $48.17$ $72.21$ $24.0$ $200.00$ $115.39$ $66.69$ $100.00$ $57.80$ $86.65$ $25.0$ $208.34$ $120.20$ $69.48$ $104.17$ $60.21$ $90.26$ <	2.0	16.67	9.62	5.56	8.34	4.82	7.22
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2.25	18.75	10.82	6.25	9.38	5.42	8.13
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2.5	20.84	12.02	6.95	10.42	6.02	9.03
4.5 $37.50$ $21.64$ $12.50$ $18.75$ $10.84$ $16.25$ $5.0$ $41.67$ $24.04$ $13.90$ $20.84$ $12.05$ $18.05$ $6.0$ $50.00$ $28.85$ $16.68$ $25.00$ $14.45$ $21.66$ $7.5$ $62.50$ $36.06$ $20.84$ $31.25$ $18.06$ $27.08$ $8.0$ $66.67$ $38.47$ $22.23$ $33.34$ $19.27$ $28.88$ $9.0$ $75.00$ $43.27$ $25.01$ $37.50$ $21.68$ $32.49$ $10.0$ $83.34$ $48.08$ $27.79$ $41.67$ $24.09$ $36.11$ $12.0$ $100.00$ $57.70$ $33.25$ $50.00$ $28.90$ $43.33$ $14.0$ $116.67$ $67.31$ $38.91$ $58.33$ $33.72$ $50.54$ $15.0$ $125.00$ $72.12$ $41.69$ $62.50$ $36.13$ $54.16$ $18.0$ $150.00$ $86.54$ $50.02$ $75.00$ $43.35$ $64.99$ $20.0$ $166.67$ $96.16$ $55.58$ $83.34$ $48.17$ $72.21$ $24.0$ $200.00$ $115.39$ $66.69$ $100.00$ $57.80$ $86.65$ $25.0$ $208.34$ $120.20$ $69.48$ $104.17$ $60.21$ $90.26$ $30.0$ $250.00$ $144.23$ $83.37$ $125.00$ $72.25$ $108.31$ $35.0$ $291.67$ $168.27$ $97.27$ $145.84$ $84.30$ $126.36$ $40.0$ $333.34$ $192.31$ $111.16$ $166.67$ $96.34$ <	3.0	25.00	14.43	8.34	12.50	7.23	10.83
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4.0	33.34	19.23	11.12	16.67	9.64	14.44
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4.5	37.50	21.64	12.50	18.75	10.84	16.25
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	5.0	41.67	24.04	13.90	20.84	12.05	18.05
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6.0	50.00	28.85	16.68	25.00	14.45	21.66
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	7.5	62.50	36.06	20.84	31.25	18.06	27.08
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	8.0	66.67	38.47	22.23	33.34	19.27	28.88
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	9.0	75.00	43.27	25.01	37.50	21.68	32.49
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	10.0	83.34	48.08	27.79	41.67	24.09	36.11
15.0125.0072.1241.6962.5036.1354.1618.0150.0086.5450.0275.0043.3564.9920.0166.6796.1655.5883.3448.1772.2124.0200.00115.3966.69100.0057.8086.6525.0208.34120.2069.48104.1760.2190.2630.0250.00144.2383.37125.0072.25108.3135.0291.67168.2797.27145.8484.30126.3640.0333.34192.31111.16166.6796.34144.4145.0375.00216.35125.06187.50108.38162.4650.0416.67240.39138.95208.34120.43180.5155.0458.34264.43152.85229.17132.47198.56	12.0	100.00	57.70	33.25	50.00	28.90	43.33
18.0150.0086.5450.0275.0043.3564.9920.0166.6796.1655.5883.3448.1772.2124.0200.00115.3966.69100.0057.8086.6525.0208.34120.2069.48104.1760.2190.2630.0250.00144.2383.37125.0072.25108.3135.0291.67168.2797.27145.8484.30126.3640.0333.34192.31111.16166.6796.34144.4145.0375.00216.35125.06187.50108.38162.4650.0416.67240.39138.95208.34120.43180.5155.0458.34264.43152.85229.17132.47198.56	14.0	116.67	67.31	38.91	58.33	33.72	50.54
20.0166.6796.1655.5883.3448.1772.2124.0200.00115.3966.69100.0057.8086.6525.0208.34120.2069.48104.1760.2190.2630.0250.00144.2383.37125.0072.25108.3135.0291.67168.2797.27145.8484.30126.3640.0333.34192.31111.16166.6796.34144.4145.0375.00216.35125.06187.50108.38162.4650.0416.67240.39138.95208.34120.43180.5155.0458.34264.43152.85229.17132.47198.56	15.0	125.00	72.12	41.69	62.50	36.13	54.16
24.0200.00115.3966.69100.0057.8086.6525.0208.34120.2069.48104.1760.2190.2630.0250.00144.2383.37125.0072.25108.3135.0291.67168.2797.27145.8484.30126.3640.0333.34192.31111.16166.6796.34144.4145.0375.00216.35125.06187.50108.38162.4650.0416.67240.39138.95208.34120.43180.5155.0458.34264.43152.85229.17132.47198.56	18.0	150.00	86.54	50.02	75.00	43.35	64.99
25.0208.34120.2069.48104.1760.2190.2630.0250.00144.2383.37125.0072.25108.3135.0291.67168.2797.27145.8484.30126.3640.0333.34192.31111.16166.6796.34144.4145.0375.00216.35125.06187.50108.38162.4650.0416.67240.39138.95208.34120.43180.5155.0458.34264.43152.85229.17132.47198.56	20.0	166.67	96.16	55.58	83.34	48.17	72.21
30.0         250.00         144.23         83.37         125.00         72.25         108.31           35.0         291.67         168.27         97.27         145.84         84.30         126.36           40.0         333.34         192.31         111.16         166.67         96.34         144.41           45.0         375.00         216.35         125.06         187.50         108.38         162.46           50.0         416.67         240.39         138.95         208.34         120.43         180.51           55.0         458.34         264.43         152.85         229.17         132.47         198.56	24.0	200.00	115.39	66.69	100.00	57.80	86.65
35.0         291.67         168.27         97.27         145.84         84.30         126.36           40.0         333.34         192.31         111.16         166.67         96.34         144.41           45.0         375.00         216.35         125.06         187.50         108.38         162.46           50.0         416.67         240.39         138.95         208.34         120.43         180.51           55.0         458.34         264.43         152.85         229.17         132.47         198.56	25.0	208.34	120.20	69.48	104.17	60.21	90.26
40.0333.34192.31111.16166.6796.34144.4145.0375.00216.35125.06187.50108.38162.4650.0416.67240.39138.95208.34120.43180.5155.0458.34264.43152.85229.17132.47198.56	30.0	250.00	144.23	83.37	125.00	72.25	108.31
45.0         375.00         216.35         125.06         187.50         108.38         162.46           50.0         416.67         240.39         138.95         208.34         120.43         180.51           55.0         458.34         264.43         152.85         229.17         132.47         198.56	35.0	291.67	168.27	97.27	145.84	84.30	126.36
50.0         416.67         240.39         138.95         208.34         120.43         180.51           55.0         458.34         264.43         152.85         229.17         132.47         198.56	40.0	333.34	192.31	111.16	166.67	96.34	144.41
55.0 458.34 264.43 152.85 229.17 132.47 198.56	45.0	375.00	216.35	125.06	187.50	108.38	162.46
	50.0	416.67	240.39	138.95	208.34	120.43	180.51
60.0 500.00 288.47 166.75 250.00 144.51 216.61	55.0	458.34	264.43	152.85	229.17	132.47	198.56
	60.0	500.00	288.47	166.75	250.00	144.51	216.61

### CROSS REFERENCE CHART ELECTRIC BASEBOARD HEATER 240/208V

#### FAQ

#### What is required for properly sizing a heater in my room?

- If you have a room with 8 feet ceiling height; you can calculate the square footage times 10 watts per square foot.
- If your ceiling is higher than 8 feet; calculate the cubic footage L x W x H and multiply by I watt per square foot.
- If you plan on heating a garage calculate the cubic footage L x W x H and multiply by I watt per square foot and multiply the square footage for each garage door by 48 (watts per square foot) and add this amount to the cubic footage. This will be the amount required to heat the garage.

#### Are 120 volts and 240 volts heaters interchangeable?

- A 240 volts heater run at 120 volts will produce 1/4 of the rated wattage. A 120 volts heater run at 240 volts will be destroyed and could cause fire damage to the building.

### If I know the BTU's required; how do I calculate the watts required?

- Watts = BTU/3.412 (I Watt = 3.41 BTU)

#### **Calculating Temperature Rise?**

- Sometimes your heater does not feel like it is putting out enough heat. Why not, you ask?
- Temperature rise is calculated by taking the kW times the constant 3167 divided by the CFM. For instance:
   5kW x 3167/300CFM = 15835/300CFM = 52.8 °F. If your ambient temperature is 60 °F the outlet air is 112 °F.

Model	Watts	Berko	Chromalox	Markel	Qmark
EBHB0300	300/225	2542W	BN/BL-2203W31	H 2903	QMK-2542W
EBHB0500	500/375	2542-6W	BN/BL-2805W31	H 2905	QMK-25426W
EBHB0750	750/563	2543W	BN/BL-3907W31	H 2907	QMK-2543W
EBHB1000	1000/750	2544W	BN/BL-4810W31	H 2910	QMK-2544W
EBHB1250	1250/938	2545W	BN/BL-5712W31	H 2912	QMK-2545W
EBHB1500	1500/1125	2546W	BN/BL-6615W31	H 2915	QMK-2546W
EBHB1750	1750/1313	-	BN/BL-7517W31	H 2917	-
EBHB2000	2000/1500	2548W	BN/BL-8420W31	H 2920	QMK-2548W
EBHB2250	2250/1688	-	BN/BL-9322W31	-	-
EBHB2500	2500/1875	2540-8W	BN/BL-10225W31	-	QMK-25408W

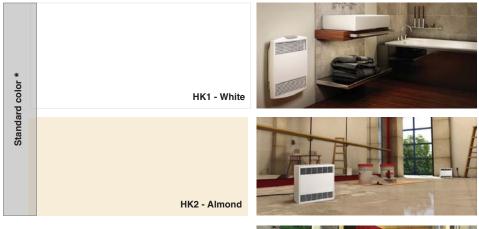


# **OTHER PRODUCTS**

#### MODELS

		Page	Berko	Cadet	Electromode Chromalox	King	Markel	Qmark	Raywall
EHC	Commercial Wall Heater	23	VFK, FRA/ FRC	COACC	RFI/V/F	EFW	3310/3320 3420/3450	CWH/LFK	FPQ AFA/AFC/ AFH
EGW	Economical Unit Heater	9	HUH524TA	-	-	KBP	HF	MWUH5004	IH
EGHB	Industrial Suspended Unit Heater	6	HUH/SA	CEH/CAOS	EU	KB	UH	IUH	UH/5100
EHA	Forced-Air Architectural Wall Heater	21	FRC	LLW	EWA	LPWA	3450	AWH	AFC/AFH
EMC	Forced-Air Cabinet Unit Heater	18	CUH	COCA	ССН	-	6300/ACUH T SERIES	CU900	ACUH T SERIES
ECR/ECS	Ceiling Forced-Air Diffuser	16	FFCH	-	-	-	3480/3470	CDF	SCH/RCH
EGEB	Cyclone Commercial Unit Heater	4	HUHAA	-	-	-	5100	MUH	-
EXUB	Explosion-Resistant Unit Heater	11	RUX	-	CXH-ED	XL	HLA	GUX	HLA
EWHB	Wash Down Unit Heater	14	TUW	-	HDH	KBS	5500	JUW	WD

# **COLOR CHART**



\* Refer to product Series for listings of standard colors available. Note: Due to the printing process, the colors may vary from the actual colors.







**NOTES** 



Electric Heater Catalog - Page 31



For more information on Reznor® HVAC Equipment, contact your local Reznor Representative by calling 800-695-1901.

# Or, find us on the internet at ReznorHVAC.com

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