Stainless Portable Unit Heater PKBS Series

SMART SLP LIMIT PROTECTION

MADE IN USA
With U.S. & Global Materials

Model Code:

PKBS	48	10	-3	-T	-FM
A	B	C	D	E	G

- A: Series
- B: 20 - 208V, 24 - 240V, 48 - 480V
- C: KW (10)
- D: 1-Phase, 3-Phase
- E: T= Mechanical Thermostat
- G: FM = Floor Mount - (2) convenience carry handles and rubber feet.

- 20 gauge 304 stainless steel
- High mass steel fin heat exchanger
- Built-in thermostat (40°-100°F)
- Dual carrying handles
- 4 heavy-duty rubber feet
- Adjustable louvers
- Long life unit bearing motor
- Fan only switch
- Patented Smart Limit Protection®
- 6ft. SO cord (no plug)
- N.E.M.A. 4 enclosure
- Non-mercury tip over switch
- For areas requiring periodic hose-down
- Solid riveted construction for consistent, long-term durability
- Standard color: Textured gray
- 2-year limited warranty

The PKBS Stainless Steel Portable Unit Heater

King's PKBS Stainless Steel Portable Unit Heater is specially constructed for heating of, and freeze protection in, dirty, dusty or corrosive areas requiring periodic washing or hose-down. Typical places of use are: wastewater treatment plants, car/truck washes, agriculture, ship and marine docks, fish processors, and military applications. The heater is constructed from 20-gauge type 304 Stainless Steel and elements making it extremely corrosion resistant. The N.E.M.A. 4 wiring compartment is sealed and gasketed making it watertight. All optional control components are U.L. listed for use in N.E.M.A. 4 enclosures. It is the best heat source to assist in dry-out applications where dry electric heat is preferred over propane or kerosene space heaters. In addition, electric heat has no odor, flame or carbon monoxide. The high CFM and low temperature rise are also key features to make the PKBS the best solution for temporary large capacity heating applications.

Ordering Information

	MODEL	KW	BTUH	PHASE	VOLTS	AMPS	CFM	SIZE	SO CORD SIZE
	PKBS2005-1-T-FM	5	17.1	1	208	24.0	600	B	12/3
	PKBS2007-1-T-FM	7.5	25.6	1	208	36.1	600	B	8/3
208V	PKBS2010-1-T-FM	10	34.1	1	208	48.1	725	B	6/3
	PKBS2015-1-T-FM	15	51.2	1	208	72.1	925	C	2/3
	PKBS2405-1-T-FM	5	25.6/19.2	1	240/208*	20.8/18.0	600	B	12/3
	PKBS2407-1-T-FM	7.5/5.6	25.6/19.2	1	240/208*	31.3/26.9	600	B	10/3
240/ 208V	PKBS2410-1-T-FM	10/7.5	34.1/25.6	1	240/208*	41.7/36.1	725	B	6/3
	PKBS2412-1-T-FM	12.5/9.4	42.7/32.0	1	240/208*	52.1/45.1	825	C	6/3
	PKBS2415-1-T-FM	15/11.25	51.2/38.4	1	240/208*	62.5/54.1	925	C	4/3
	PKBS4805-1-T-FM	5	17.1	1	480	10.4	600	B	14/3
	PKBS4807-1-T-FM	7.5	25.6	1	480	15.6	600	B	14/3
480V	PKBS4810-1-T-FM	10	34.1	1	480	20.8	725	B	12/3
	PKBS4812-1-T-FM	12.5	42.7	1	480	26.0	825	C	10/3
	PKBS4815-1-T-FM	15	42.7	1	480	31.3	925	C	8/3
	PKBS2005-3-T-FM	5	17.1	3	208	13.9	600	C	8/4
	PKBS2007-3-T-FM	7.5	25.6	3	208	20.8	600	C	10/4
208V	PKBS2010-3-T-FM	10	34.1	3	208	27.7	725	C	8/4
	PKBS2015-3-T-FM	15	51.2	3	208	41.6	925	C	6/4
	PKBS2020-3-T-FM	20	68.2	3	208	55.5	1100	C	4/4
	PKBS2405-3-T-FM	5	25.6/19.2	3	240/208*	12.0/10.5	600	C	14/4
	PKBS2407-3-T-FM	7.5/5.6	25.6/19.2	3	240/208*	18.0/15.5	600	C	12/4
240/ 208V	PKBS2410-3-T-FM	10/7.5	34.1/25.6	3	240/208*	24.1/20.8	725	C	10/4
	PKBS2412-3-T-FM	12.5/9.4	42.7/32.0	3	240/208*	30.1/26.1	825	C	8/4
	PKBS2415-3-T-FM	15/11.25	51.2/38.4	3	240/208*	36.1/31.2	925	C	6/4
	PKBS2420-3-T-FM	20/15	68.2/51.20	3	240/208*	48.1/41.6	1100	C	4/4
	PKBS4805-3-T-FM	5	17.1	3	480	6.0	600	C	14/4
480V	PKBS4807-3-T-FM	7.5	25.6	3	480	9.0	600	C	14/4
	PKBS4810-3-T-FM	10	34.1	3	480	12.0	725	C	14/4

*Dual rated heaters will draw 13% less amps and 25% less wattage when operated at 208V.

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Ordering Information Continued

MODEL	KW	BTUH	PHASE	VOLTS	AMPS	CFM	SIZE	SO CORD SIZE
PKBS4812-3-T-FM	12.5	42.7	3	480	15.0	825	C	12/4
PKBS4815-3-T-FM	15	51.2	3	480	18.0	925	C	12/4
PKBS4820-3-T-FM	20	68.2	3	480	24.0	1100	E	10/4

Engineering Specifications

Contractor shall supply and install PKBS Series portable unit heaters manufactured by King Electrical Mfg. Company. Heaters shall be of the wattage and voltage as indicated on the plans.

Construction: Stainless Steel Construction: All exterior and interior metal enclosure parts are made from 20 gauge type 304 Stainless Steel. All fasteners and hardware are Stainless Steel. Smooth rounded corners and protective edge trim give an attractive modern appearance.

Built-in Thermostat: Single pole factory installed hydraulic capillary tube thermostat for precision heating control. Operating range 40° to 100

Fan Only Switch: Comes standard with fan-only switch.

Adjustable Outlet Louver: Louvers direct air up or down as needed for the heating application.

Fan Delay: (Models 12.5-kW & Above Only) The fan continues to operate after the thermostat shuts off in order to remove the residual heat left in the elements. Power must not be interrupted.

Rear Intake Screen: Heavy gauge steel screen protects against foreign objects making accidental contact with the rotating fan blade.

Stainless Steel Spiral Fin Elements: The metal sheath element is brazed with spiral fins then molded in to a coil configuration. This combination produces the best heat transfer while eliminating the potential for hot spots by positioning the element in the maximum air flow stream. Stainless steel increases element life in extremely corrosive environments such as waste water treatment plants.

Totally Enclosed Fan Motor: Permanently lubricated long life, unit bearing with 20cc of oil. Epoxy-coated motor with enclosed rotor resists moisture and corrosion for long-lasting, trouble-free operation.

Aluminum Fan Blade: Axial flow-type fan mounted directly to the motor shaft for maximum efficiency.

Thermal Overload: Heaters shall be equipped with King's patented thermal overload Smart Limit Protection®, which disconnects elements and motor in the event normal operating temperatures are exceeded. If thermal overload trips due to abnormal operating temperatures, thermal overload shall remain open until manually reset by turning the heater off for 15 minutes. Automatically reset of thermal overloads, which allow the element to continue to cycle under abnormal conditions, will not be accepted.

Fan Delay: (Models 12.5-kW & Above Only) The fan continues to operate after the thermostat shuts off in order to remove the residual heat left in the elements. Power must not be interrupted.

Cord Length: 6 Foot SO Cord (No Plug Provided)

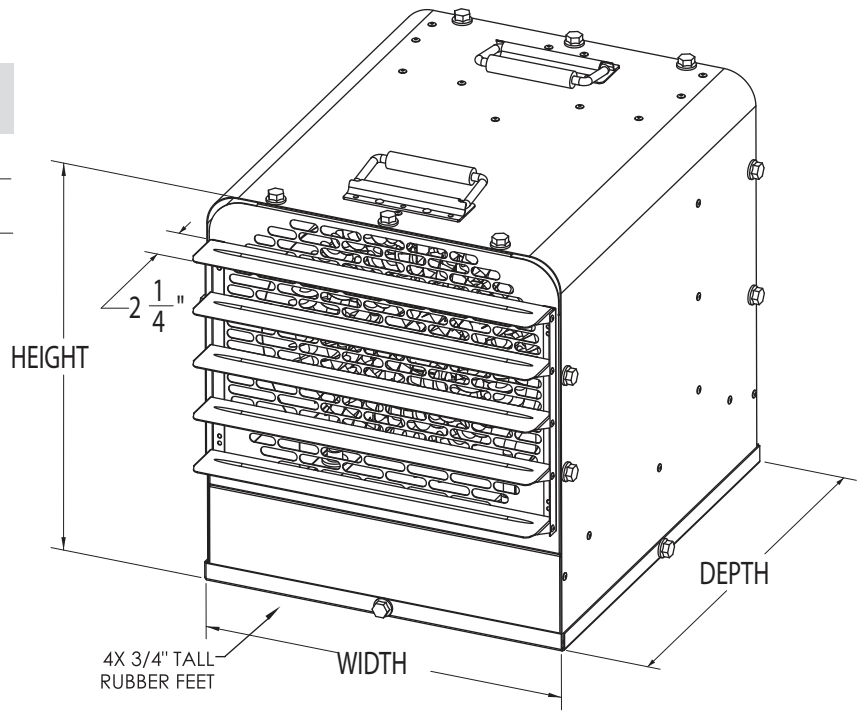
Approvals: cETLus (517271) & (30314521)

Options/Accessories

ADD SUFFIX	DESCRIPTION
-25C	25 foot cord option

Dimensional Data

HEATER SIZE	DIMENSIONS HEIGHT	DEPTH	WIDTH
B	16.5"	13.5"	15.1"
C	16.5"	18"	15.1"
E	20.5"	23.8"	15.1"

Minimum Clearance

front.....3 ft.
sides.....6”
rear.....6”