



Industrial Portable Wheeled Unit Heater PCKW Series



Model Code:
PCKW 48 20 -3
A B C D

A: Series
B: 20 - 208V, 24 - 240V 48-480V
C: kiloWatts (10 - 25)
D: -1 = Single Phase
-3 = Three Phase



- High Mass Steel Fin Heat Exchangers
- Large Capacity Dual-Inlet Blower Handles High Static Pressure
- Moves Large Air Volumes (1500 CFM)
- Built-In Thermostat (40°-100°F)
- Washable Intake Air Filters
- Front & Back Carrying Handles
- 2 Heavy-Duty Pneumatic Wheels
- Heat Switch& Fan Only Switch
- Long Life 48 Frame Totally Enclosed Motor
- Patented Smart Limit Protection®
- N.E.M.A. 12" Gasket Construction
- 6ft SO Cord (No Plug)
- Optional 12" Duct Transition Available.
- Non-Mercury Tip Over Switch
- 2-Year Limited Warranty

PCKW Industrial Portable Wheeled Unit Heater

The King PCKW industrial portable wheeled unit heater is constructed to hold up to the rigorous demands of a jobsite or industrial facility. This unit heater is the very BEST heat source to assist in complete "Dry-out" applications, where dry electric heat is preferred to propane or kerosene space heaters. In addition, electric heat emits absolutely no odor, flame or carbon monoxide. The high CFM and moderate temperature rise are also key features to make this unit heater the very best solution for temporary large capacity heating and dry-out applications. Features front and back carry handles and heavy-duty pneumatic wheels for ease of portability and washable intake air filters to simplify maintenance. Comes standard with a built-in thermostat, heat on and fan only switches for maximum temperature control. With the optional accessory PCKW-DT12 12" duct transition feature the heater can be ducted, to direct the heated air to required areas.

Ordering Information

	MODEL	UPC	VOLTS	kiloWATTS	BTUH	PHASE	AMPS	MOTOR HP	CFM	SOOW CORD GAUGE	WEIGHT LBS
208V	PCKW2010-1	33095	208	10	34.1	1	48.1	1/4	1000	6/3	142
	PCKW2015-1	33096	208	15	51.2	1	72.1	1/3	1000	2/3	142
240V	PCKW2410-1	33097	240/208*	10/7.5	34.1	1	41.7/36.1	1/4	1000	6/3	142
	PCKW2415-1	33098	240/208*	15/11.25	51.2	1	62.5/54.1	1/3	1000	4/3	142
	MODEL	UPC	VOLTS	kiloWATTS	BTUH	PHASE	AMPS	MOTOR HP	CFM	SOOW CORD GAUGE	WEIGHT LBS
208V	PCKW2010-3	33099	208	10	34.1	3	27.7	1/4	1000	8/4	142
	PCKW2015-3	33100	208	15	51.2	3	41.6	1/3	1000	6/4	142
	PCKW2020-3	33101	208	20	68.3	3	55.5	1/2	1250	4/4	142
	PCKW2025-3	33102	208	25	85.3	3	69.4	1/2	1250	2/4	142
	PCKW2410-3	33104	240/208*	10/7.5	34.1	3	24.1/20.8	1/4	1000	10/4	142
240V	PCKW2415-3	33105	240/208*	15/11.25	51.2	3	36.1/31.2	1/3	1000	6/4	142
	PCKW2420-3	33106	240/208*	20/15	68.3	3	48.1/41.6	1/2	1250	4/4	142
	PCKW2425-3	33107	240/208*	25/18.8	85.3	3	60.1/52.2	1/2	1250	2/4	142
	PCKW4810-3	33109	480	10	34.1	3	12.0	1/4	1000	14/4	142
	PCKW4815-3	33110	480	15	51.2	3	18.1	1/3	1000	12/4	142
480V	PCKW4820-3	33111	480	20	68.3	3	24.0	1/2	1250	10/4	142
	PCKW4825-3	33112	480	25	85.3	3	30.1	1/2	1250	8/4	142

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

Field Installed Accessory

ADD SUFFIX:	UPC	DESCRIPTION
PCKW-DT12	33518	12" Duct Transition Accessory

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Engineering Specifications

Contractor shall supply PCKW series Industrial Portable Unit heaters manufactured by King Electrical Mfg. Company. Heaters shall be of the wattage and voltage as indicated on the plans.

Construction: The heater case is fabricated from high tensile 18 gauge electrogalvanized steel that is welded together forming a durable unibody cabinet. Heater is finished with a rust inhibiting epoxy coating.

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

Washable Intake Air Filters: Constructed of aluminum and protects against foreign objects entering the heater. 3 Washable Filters: .75" x 16" x 16" prevents dirt and dust build up in the heater.

N.E.M.A. 12 Wiring Compartment: The wiring compartment is sealed with a 1/4" high density polyurethane gasket. This provides excellent protection against moisture, dust and dirt from invading the electrical components and wiring. All optional control accessories are N.E.M.A. 12 rated.

Spiral Fin Elements: The metal sheath element is brazed with spiral fins and then formed into a coil configuration. This combination produces the best heat transfer while eliminating the potential for hot spots by positioning the element in the maximum airflow stream.

Blower & Motor: Totally enclosed outdoor ball bearing fan motor. Permanently lubricated, class B insulation, auto-protected, permanent split capacitor and 60°C ambient. Large capacity dual-inlet blower handles high static pressure and moves large air volume. Motor leads are enclosed in a seal tight raceway to prolong equipment life & reduce maintenance.

Air Intake Temperature Control: A built-in thermostat located at the intake blower is factory set at 100°F which prevents the heater from operating when the ambient temperature exceeds this limit. This will prevent the heater from wasting energy and is an extra measure of safety.

Auto-Reset Thermal Cutout: Power is disconnected from the element if an overheated condition occurs. The fan continues to run to dissipate excess heat from the element. The element is re-energized automatically when the normal operating temperature returns.

Internal Controls: Magnetic contactors are standard on all units. Sub circuit fusing is provided when the heater ampacity exceeds 48 Amps to comply with UL standards. A fan delay is provided standard to dissipate residual heat from the heating elements.

Easy Wiring: Large wiring compartment allows quick access.

Wheels: 2 heavy-duty pneumatic wheels are provided for ease of portability.

Approvals: UL Certified to comply with UL 2021, standard for Fixed and Location-Dedicated Electric Room Heaters and CSA C22.2 No. 46 for Electric Air-Heaters.

Dimensional Data

