

Outdoor Rated Wall Heater WSC Series



Model Code:

W	12	10	-T2
A	B	C	D

A: Series
B: 12 - 120V 24 - 240V
20 - 208V
C: Watts (500 to 2000)
D: Thermostat (optional)



- UL Certified For Outdoor Use
- Multiple Freeze Protection Applications
- Reduces Moisture From Mechanical Equipment
- Keeps Pumps, Valves, & Farm Machinery From Freezing
- Built-in Thermostat with Frost Protection (40° to 90°F)
- Surface Mount Design
- NiChrome Open Coil Element For Quick Heat Transfer
- Dual Wattage Design
- C-Frame Motor
- 4-Blade Aluminum Fan
- Patented Smart Limit Protection®
- Meets ASSE-1060 Requirements
- 1-year limited warranty

The "WSC" Outdoor Rated Wall Heater

The WSC Heater is a surfaced-mounted UL certified for outdoor use, ideal for many freeze protection applications.

The WSC was designed to reduce moisture from mechanical equipment and keep pumps, valves, and farm machinery from freezing.

By combining an efficient impeller style fan with a NiChrome heating element, the WSC heater delivers instant heat in even the draftiest locations.

The built-in thermostat turns off when the ambient temperature is safely above freezing.

"Complete" Stock Models For other voltage wattage options use "Order A'la Carte" chart below to build your own complete heater.

BASE MODEL	UPC	VOLTS	WATTS	AMPS	COLOR	SHIP WEIGHT lbs
WSC1215-T-B	33480	120	1500•750	12.5 - 6.3	Black	10

NOTE: Not all configurations listed above are stock items (A+ or A stock code). Refer to price book for the Stock code. For non-stock items refer to the table below to order heater parts separately.

Order A'la Carte **To build your own "Complete" with options (not noted above) select -I model of proper voltage and WSC-B surface can.

STEP 1: Order Heatbox Interior and Grill

MODEL	UPC	VOLTS	WATTS	AMPS	DESCRIPTION	SHIP WEIGHT lbs
W1210-I-T-B	33481	120	1000 • 500	8.3 or 4.2	Heatbox Interior & Black Grill	6
W2020-I-T-B	33482	208	2000 • 1000	9.6 or 4.8	Heatbox Interior & Black Grill	6
W2420-I-T-B	33483	240/208*	2000 • 1000	8.3 or 4.2	Heatbox Interior & Black Grill	6

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

STEP 2: Order Surface Can

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
WSC-B	19206	Surface Can - Black 13.5" L x 10"W x 4"H (Outdoor Rated)	4

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Engineering Specifications

Contractor shall supply and install WSC Series surface mounted forced-air electric heaters manufactured by King Electrical Mfg. Company. Heaters shall be of the wattage and voltage as indicated on the plans.

Ratings: Wattages of 500 to 2,000 at 120, 208 or 240 Volts are available. Heaters shall provide air movement at 85 CFM.

Fan and Motor: Motor shall be shaded pole, permanently lubricated, C-frame type with impedance protection and sealed bearings. Motors shall be the same voltage as the heater. The motor and all wiring shall be totally isolated from the heating chamber for protection from heated air. The motor shall be equipped with a dynamically balanced four-blade aluminum impeller fan, located in the upper portion of the heat box, and shall provide a down-flow heating pattern.

Elements: Assemblies shall be constructed of coiled Nickel Chromium alloy, corrosion-resistant wire strung through a minimum of four rows of mica insulator. Element assemblies shall have factory provided connection to allow field modification to 50% wattage at time of installation.

Outdoor Rated: When the W series is installed in a WSC surface can it adds UL ratings for outdoor Applications.

Smart Limit Thermal Protection: Turns off heater during any unsafe temperatures on inlet or outlet and will only reset if power is interrupted for 10 minutes. Simply turning thermostat down below set point will reset. Exclusive King design and patented for US and Canada under #6,748,163 B2 and #2,393,882

Thermostat: Built-in snap action with a range of 40° to 90°F.

Clearance: 6" to a side wall, 4" from floor minimum.

Grill: The grill shall be a louvered, one-piece design with rounded edges on all four sides, with rounded corners to prevent snags from contact with other materials. The grill shall be epoxy powder-coated in the color specified by manufacturer.

Approvals: cULus (E41422)

Dimensional Data

