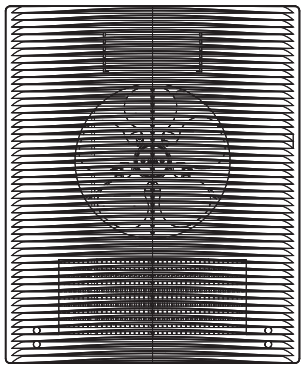
BERKO®
A Marley Engineered Products Brand
470 Beauty Spot Rd. E
Bennettsville, SC 29512

SUBMITTAL SHEET
SSARWH ARCHITECTURAL SMARTSERIES®
PROGRAMMABLE WALL HEATER



SMART™ ENERGY SAVER

ETL LISTED c US
Intertek

CAPACITIES
900–4800W 120V, 208V, 240V, or 277V 1Ø Temperature Range: 40°–99° F Air Movement: 100 CFM

See Selection Chart for all Options

JOB NAME: _____

LOCATION: _____

ARCHITECT: _____

ENGINEER: _____

CONTRACTOR: _____

SUBMITTED BY: _____ DATE: _____

TAG/ITEM	QTY.	CATALOG NUMBER	HEATER			AMPS	BMS CONNECTION (Y/N)
			WATTS	VOLTS	Ø		

ACCESSORIES AND CONTROLS	TAG/ITEM	QTY.	CATALOG NUMBER	DESCRIPTION

SUBMITTED BY:	DATE

APPROVED BY:	DATE

SSAR ARCHITECTURAL SMARTSERIES

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS*

The electric fan-forced architectural wall heater shall be as manufactured by Berko,® A Marley Engineered Products® Brand, Bennettsville, SC. Heaters shall be certified by ETL to standard for heating equipment and meet UL standard 2021. All capacities, voltages, physical sizes, grille arrangements and options shall be specified in the heater schedule. The heater shall be designed for wall recess or surface mounting.

HEATER ASSEMBLY: The heater assembly which fits into the back box shall consist of an 0.120" thick, powder coated aluminum die cast part fan panel / panel grille which are mounted all of the operational parts of the heater. The front grille shall be of the louvered type finished in polyester powder coating which resists fading and abrasion.

HEATING ELEMENTS: The heating elements shall be warranted for five years and shall be of non-glowing design consisting of 80-20 Ni/Cr resistance wire enclosed in a steel sheath to which steel plate fins are brazed. The heating element shall cover the entire air discharge area to ensure uniform heating of all discharge air.

THERMAL LIMIT: The heater shall be equipped with a manual-reset safety limit control that will automatically shut off heater in event of overheating due to any cause. The safety cutouts shall directly interrupt power to the elements. A red warning light will illuminate (visible at top of heater grille) to alert that this control has been activated.

FAN AND MOTOR ASSEMBLY: The motor and fan assembly shall be direct drive and mounted on rigid heavy gauge brackets for quiet operation. The fan shall be five-bladed aluminum. The fan motor shall be totally enclosed.

FAN DELAY CONTROL: Fan control shall delay fan startup of the fan motor until the heating elements have warmed up. It shall maintain motor operation after heating elements have been de-energized to dissipate residual heat build-up.

TEMPERATURE CONTROL: The unit is designed to be controlled electronically with a built-in electronic digital LED touch screen display mounted on the grille and control board mounted on the fan panel. This control will maintain room temperatures within 1-½ degrees of set point. The output of heat is proportionally controlled as to how much heat is needed to satisfy the set point. Heater automatically adjusts wattage output for optimum comfort. Heater settings can be locked out for security purposes.

DISCONNECT SWITCH: This ON/OFF switch shall be mounted on the fan deck to disconnect single point connection to power supply for the internal electrical components, including the heating element. It will be completely concealed behind the front grille panel.

BUILDING MANAGEMENT CONNECTION: The unit shall include a unique built-in Building Management System (BMS) connection. This allows the building management system to connect directly to the heater using a dry contact switch (no voltage) to control the heater. A BMS icon is illuminated and all other icons are turned OFF and all buttons are disabled.

*Berko *reserves the right to change specifications without prior notice.*

Models & Specifications:

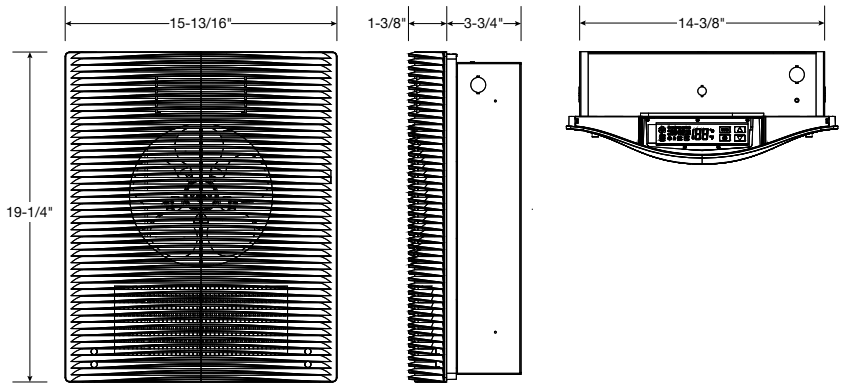
ITEM INFORMATION		ELECTRICAL DATA					
CATALOG NO.	UPC	VOLTS	PHASES	WATTS	AMPS	BTU/HR.	SHIP WT.
SSARWH1802	685360156842	120	1	900/1800	15	6,142	25 lbs
SSARWH4808	685360156767	208	1	1440/4800	23.1	16,378	25 lbs
SSARWH4804	685360156774	240	1	1440/4800	20	16,378	25 lbs
SSARWH4807	685360156804	277	1	1440/4800	17.3	16,378	25 lbs

NOTE: For handling 208V Max AMP loads, contact your local Marley Sales Representative. Standard grille color is White. Add AL (Aluminum) suffix to catalog number of both the heater and mounting frame (ex. SSAR1802AL).

Optional Accessories:

CATALOG NO.	UPC	DESCRIPTION	COLOR	SHIP WT.
HTWHSM	685360155456	Surface Mounting Frame 15 ⅜" W x 19 ³⁄₁₆" H x 3 ¾" D	White	4 lbs
HTWHS1	685360155487	1 in. Semi-Recess Mounting Frame 15 ⅜" W x 19 ³⁄₁₆" H x 1" D	White	4 lbs
HTWHS2	685360155517	2 in. Semi-Recess Mounting Frame 15 ⅜" W x 19 ³⁄₁₆" H x 2" D	White	4 lbs

Dimensions and Clearances:



MOUNTING LIMITATIONS:
Do not install heater closer than 12 inches to the floor, 12 inches to an adjacent wall, 36 inches to the ceiling. Do not install heater behind towel rack or door, upside down or sideways, in the floor, in the ceiling, or in closets.

No matter the industry or application, Marley Engineered Products has a robust portfolio of innovative, reliable, high-performance comfort heating and ventilation solutions for all your heating needs.

For more information or assistance on your next project, contact Technical Services at 800-642-4328

Scan the QR code to access additional specs and features

Approvals: _____ _____ _____