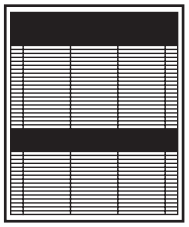
QMARK®
A Marley Engineered Products Brand
470 Beauty Spot Rd. E, Bennettsville, SC 29512

SUBMITTAL SHEET
AWH SERIES
FAN-FORCED
WALL HEATERS



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FILE #E21609

CAPACITIES

**1500, 2000, 3000,
4000 or 4800 Watts
120, 208, 240, 277, 347 or 600V
1Ø
3000, 4000 or 4800 Watts
208 or 240, 347, 600V, 3Ø**

**Thermostat Range: 40 - 90 Degrees F
Air Movement: 100 CFM**

JOB NAME: _____
LOCATION: _____
ARCHITECT: _____
ENGINEER: _____
CONTRACTOR: _____
SUBMITTED BY: _____
DATE: _____

ITEM	QTY.	CATALOG NUMBER	TAG	LENGTH	WATTS	VOLTS	PHASE Ø	AMPS	BUILT-IN CONTROLS

ACCESSORIES AND CONTROLS

ITEM	QTY.	CAT. NO.	TAG	DESCRIPTION

SUBMITTED BY:	DATE

APPROVED BY:	DATE

AWH SERIES

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SELECTION CHART

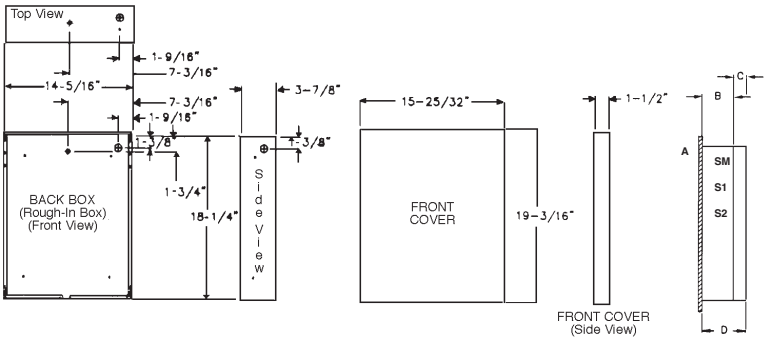
CATALOG NO.	VOLTS	PH.	AMPS	WATTS	BTU/HR	WIRE SIZE
AWH3150	120	1	12.5	1500	5120	12 AWG
AWH3180	120	1	15	1800	6142	12 AWG
AWH4408*	208	1	19.2 9.6	4000 2000	13650 6825	10 AWG
AWH4404*	240 208	1 1	16.7 8.3 14.4 7.2	4000 2000 3000 1500	13650 6825 10235 5120	10 AWG & 12 AWG
AWH4407*	277 240	1 1	14.4 7.22 12.5 6.3	4000 2000 3000 1500	13650 6825 10235 5120	12 AWG
AWH4307*	277	1	10.8 5.4	3000 1500	10235 5120	12 AWG
AWH4303	347	1	8.6	3000	10235	14 AWG
AWH4508	208	1	23.1	4800	16380	10 AWG
AWH4504	240 208	1 1	20 17.3	4800 3600	16380 12285	10 AWG
AWH4507	277 240	1 1	17.3 15	4800 3600	16380 12285	10 AWG
AWH4503	347	1	13.8	4800	16380	12 AWG
AWH4506	600	3	4.6	4800	16380	14 AWG
AWH44083	208	3	11.1	4000	13650	14 AWG
AWH45083	208	3	13.3	4800	16380	12 AWG
AWH44043	240	3	9.6	4000	13650	14 AWG
AWH45043	240	3	11.6	4800	16380	14 AWG
AWH4306	600	3	3.0	3000	10235	14 AWG

*Heaters shipped at higher wattage. Units can be converted to half-wattage in field.

ACCESSORIES

CATALOG NO.	DESCRIPTION
AWH-PE	Pneumatic/Electric switch. Factory set at 10 psig to "make" on pressure drop. May be field wired to "break' on pressure drop. Pressure set point adjustable to 30 psig. (Field installed.)
AWH-R2 (24 volt) **AWH-R12 (120 volt)**	Time delay relay 40-60 seconds to close when energized. Use 120V or 24V power supply from remote source. (Field installed.)
AWH-S-1	1" deep surface mounting frame for semi-recessed installation.
AWH-S-2	Same as above except 2" deep.
AWH-SM	Surface mounting frame for surface installations. Painted to match heater decor, $3^{13}/_{16}$" deep.
LFK-SFC	14 Gauge security front cover.

DIMENSIONS



MODEL	"A" RECESSED DIM.	"B" THICKNESS OF FRAME	"C" FRONT COVER DIM.	"D" TOTAL EXT. INTO ROOM
SM	–	3-13/16"	1-1/2"	5-5/16"
S2	1-13/16"	2"	1-1/2"	3-1/2"
S1	2-13/16"	1"	1-1/2"	2-1/2"
RECESSED	3-3/4"	–	1-1/2"	1-12"

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS*

The heating equipment shall include an electric automatic fan forced air heater suitable for large area heating, as manufactured by QMark, A Marley Engineered Products Brand, Bennettsville, SC. The heater shall be designed for wall mounting, recess or surface. Heaters shall be UL listed.

HEATER ASSEMBLY: The heater assembly which fits into the back box shall consist of a fan panel upon which is mounted all of the operational parts of the heater.

HEATING ELEMENT: The heating element shall be of the non-glowing design consisting of an 80/20 nickel-chromium resistance wire enclosed in a steel sheath to which plate fins are copper brazed. It shall be warranted for 5 years.

FAN AND FAN MOTOR: The fan shall be five-bladed aluminum. The fan motor shall be totally enclosed.

FAN DELAY SWITCH: Fan control shall be of bi-metallic, snap-action type and shall activate fan after heating element reaches operating temperature. The fan shall continue to operate after the thermostat is satisfied and until the heating element is cool.

THERMOSTAT: The tamper-proof thermostat shall be of the bi-metallic, snap-action type with enclosed contacts. It shall be completely concealed behind the front cover to become tamper proof.

THERMAL CUTOUT: A thermal cutout shall be built into the system to shut off the heater in the event of over-heating.

DISCONNECT SWITCH: A double-pole single throw disconnect switch shall be mounted on the back box for positive disconnect of power supply. It will be completely concealed behind the front grid panel.

PNEUMATIC/ELECTRIC SWITCH: An optional pneumatic/electric switch shall be available for use with energy management systems employing pneumatic pressure devices for controlling comfort levels and set-back operations.

LOW VOLTAGE RELAYS: Normally open 24-volt and 120-volt low voltage holding coil relays shall be available as optional equipment to control 208, 240, or 277 volt heaters in conjunction with central energy control systems. The built-in thermostat can then be used as one of the thermostats in an automatic night set back operation.

BACK BOX: The back box shall be designed for duty as a recessed rough-in box in either masonry or frame installations and is also used with the surface mounting frame in surface mounting installations. The back box shall be 20-gauge galvanized steel and shall contain knockouts through which power leads are brought.

FRONT PANEL: The front panel shall be of the bar grille type and shall be constructed of 16-gauge cold-rolled steel, welded into a uniform grille and finished in baked enamel to direct the warmed air toward the floor. The front grille shall be surrounded by a decorative satin-finish aluminum "picture" frame.

THREE PIECE DESIGN: The heater shall be made of a back box, a heater assembly, and a front panel.

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