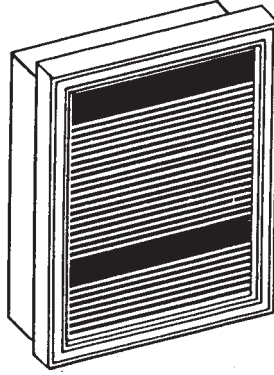


SUBMITTAL SHEET
FRC SERIES
FAN-FORCED
WALL HEATERS

Thermostat	40° to 90°F
Air Movement	100 CFM



CAPACITIES
1500, 2000, 3000, 4000, 4800
4,000 OR 4800 WATTS
120, 208, 240 OR 277V
1Ø and 3Ø



JOB NAME: _____

LOCATION: _____

ARCHITECT: _____

ENGINEER: _____

CONTRACTOR: _____

SUBMITTED BY: _____

DATE: _____

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

**ACCESSORIES
AND
CONTROLS**

ITEM	QTY.	CAT. NO.	TAG	DESCRIPTION

SUBMITTED BY:	DATE

APPROVED BY:	DATE



A Marley Engineered Products Brand

470 Beauty Spot Rd. E, Bennettsville, SC 29512

ARCHITECT'S AND ENGINEER SPECIFICATIONS*

The heating equipment shall include electric, automatic fan forced air heater suitable for large area heating, as manufactured by Berko, A Marley Engineered Products Brand, Bennettsville, SC. The heater shall be designed for wall recess or surface mounting. 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 a special resistance wire enclosed in a steel sheath to which steel plate fins are copper brazed. It shall be warranted for 5 years.

FAN AND MOTOR: Fan shall be five-bladed aluminum. 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 CUTOFF: A thermal cutoff shall be built into the system to shut off the heater in the event of overheating.

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 grille 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: 24-volt and 120 volt low voltage 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 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 up of a back box, a heater assembly and a front panel.

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

SELECTION CHART

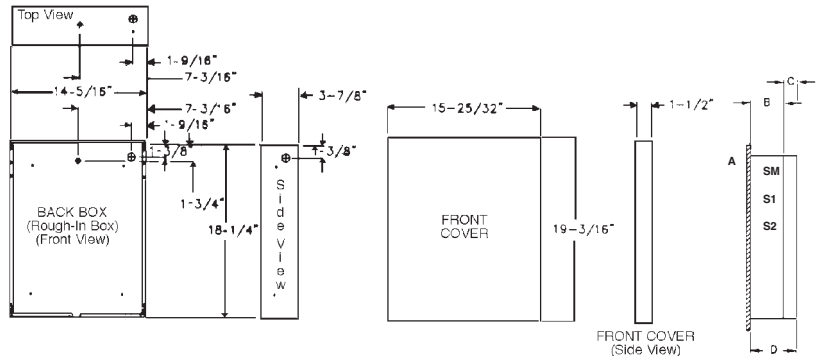
CATALOG NO.	VOLTS	PH.	AMPS	WATTS	BTU/HR	WIRE SIZE
FRC1512	120	1	12.5	1500	5120	12 AWG
FRC1812	120	1	15	1800	6142	12 AWG
FRC4020*	208	1	19.2 9.6	4000 2000	13650 6825	10 AWG
FRC4024*	240	1	16.7 8.3	4000 2000	13650 6825	10 AWG & 12 AWG
	208	1	14.4 7.2	3000 1500	10235 5120	
FRC4027*	277	1	14.4 7.22	4000 2000	13650 6825	12 AWG
	240	1	12.5 6.3	3000 1500	10235 5120	
FRC3027*	277	1	10.8 5.4	3000 1500	10235 5120	12 AWG
FRC4820	208	1	23.1	4800	16380	10 AWG
FRC4824	240	1	20	4800	16380	10 AWG
	208	1	17.3	3600	12285	
FRC4827	277	1	17.3 15	4800 3600	16380 12285	10 AWG
	240	1	15	3600	12285	
FRC40203	208	3	11.1	4000	13650	14 AWG
FRC48203	208	3	13.3	4800	16380	12 AWG
FRC40243	240	3	9.6	4000	13650	14 AWG
FRC48243	240	3	11.6	4800	16380	14 AWG

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

ACCESSORIES

CATALOG NO.	DESCRIPTION
FR-PE	Pneumatic/electric switch
FR-R2	24V time-delay relay
FR-R12	120V time-delay relay
FRS-1-PB	1" semi-recessed mounting frame
FRS-2-PB	2" semi-recessed mounting frame
FRSMPB	Surface Mounting Frame
VFKSFC	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"