



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

SUBMITTAL SHEET

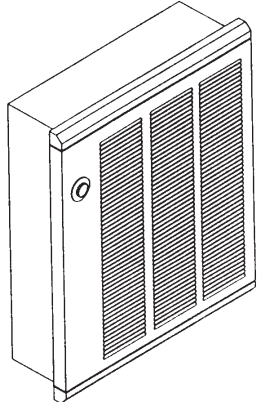
**FRA SERIES
 FAN FORCED
 WALL HEATERS**

FRA SERIES - FAN FORCED WALL HEATERS

SELECTION CHART

CATALOG NO.	VOLTS	PH.	WATTS	BTU/HR.	AMPS.
FRA1512	120	1	1500	5120	12.5
FRA1812	120	1	1800	6142	15
FRA-3027*	277	1	3000/1500	10,239/5120	10.8/5.4
FRA-4020*	208	1	4000/2000	13,652/6826	19.2/9.6
FRA-40203	208	3	4000	13,652	11.1
FRA-4024*	240/208	1	4000/3000	13,652/10,239	16.7/14.45
			2000/1500	6826/5120	8.3/7.2
FRA-40243	240	3	4000	13,652	9.7
FRA-4027*	277/240	1	4000/3000	13,652/10,239	14.4/12.5
			2000/1500	6826/5120	7.2/6.3
FRA-4820	208	1	4800	16,382	23.1
FRA-48203	208	3	4800	16,382	13.4
FRA-4824	240/208	1	4800/3600	16,382/12,287	20.0/17.3
FRA-48243	240	3	4800	16,382	11.6
FRA-4827	277/240	1	4800/3600	16,382/12,287	17.3/15.0

CAPACITIES
1500, 2000, 3000, 3600 4000 or 4800 Watts 120, 208, 240 or 277V



FILE #E21609

*NOTE: Factory wired for higher wattage, field convertible to half wattage.

ACCESSORIES AND CONTROLS

CATALOG NO.	DESCRIPTION
FRAFC-TP	Tamper Proof Front Cover (Cover must be removed to adjust thermostat)
FRASM	Surface Mounting Frame
FRAS-1	1" Semi-Recessed Frame
FRAS-2	2" Semi-Recessed Frame

Thermostat Range: 40 - 90 °F Air Movement: 100 CFM

MOUNTING LIMITATIONS:

1. For wall mounting - Do not install back box closer than 8 inches from floor or adjacent wall.
2. Do not install heater behind towel rack, behind door, in floor, in closet, in ceiling, or where air flow may be obstructed.

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

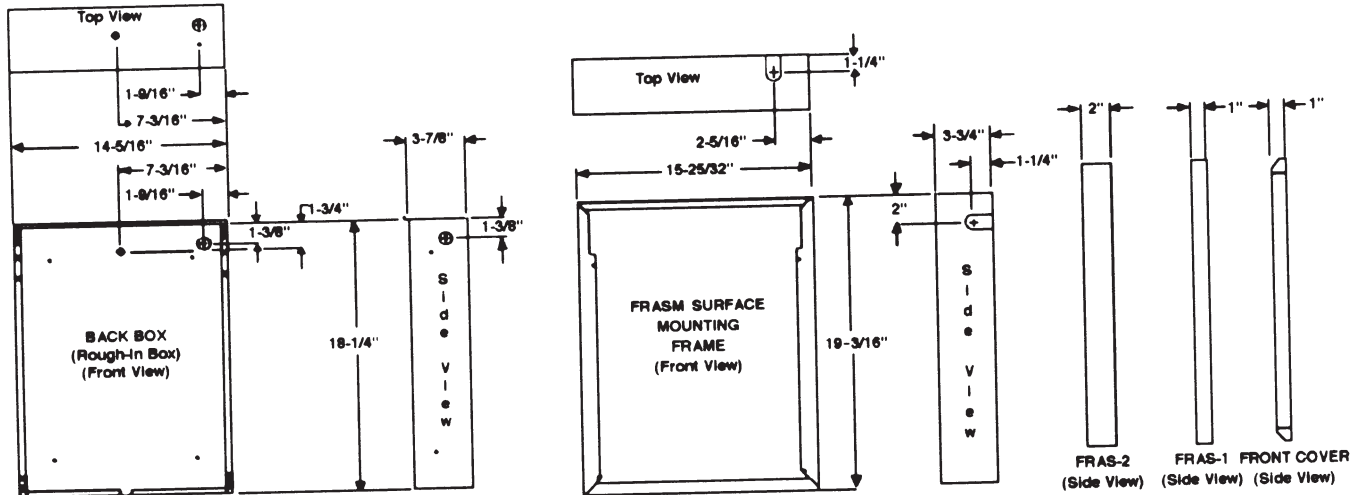
**ACCESSORIES
 AND
 CONTROLS**

ITEM	QTY.	CAT. NO.	TAG	DESCRIPTION

SUBMITTED BY:	DATE

APPROVED BY:	DATE

DIMENSIONS



ARCHITECT'S & ENGINEER'S SPECIFICATIONS *

The heating equipment shall include an 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 mounting, surface or recess. For surface mounting, a Berko FRASM surface mounting frame shall be used. For semi-recessed applications a Berko FRAS-1 or FRAS-2 frame shall be used. 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 elements shall be of the non-glowing design consisting of a special 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 delay shall be of bi-metallic, snap-action type and shall activate fan after heating element reaches operating temperature and continue to operate until the heating element is cool.

THERMOSTAT: Thermostat shall be of the bi-metallic, snap-action type with enclosed contacts.

THERMAL CUTOUT: A thermal cutout 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 to provide positive disconnect.

BACK BOX: The back box shall be designed for duty as a recessed rough-in box in either masonry or frame installations. The back box shall be commercial grade galvanized steel and shall contain knockouts through which power leads are brought.

FRONT COVER: The louvered front cover shall be of commercial grade steel finished in Navajo White. It shall attach to the fan deck via snaps in the high impact plastic trim pieces and shall have no exposed screw heads.

TAMPER-PROOF INSTALLATION: Optional front cover without the hole for the thermostat knob provided full tamper-proof installation.

FINISH: All sheet metal parts except the back box shall be phosphatized, then painted by a powder coat painting process.

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