

PRODUCT SUBMITTAL SHEET



Capacities
1500, 1800, 2000, 3000, 3600 4000 or 4800 Watts 120, 208, 240, 277, 347 or 600V 1 or 3 Phase Thermostat Range: 40° - 90° F Air Movement: 100 CFM

FRA SERIES FAN-FORCED WALL HEATERS

Job Name: _____

Location: _____

Architect: _____

Engineer: _____

Contractor: _____

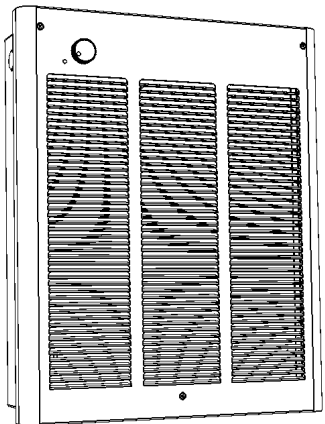
Submitted By: _____

Date: _____

Submitted By:	Date:
Approved By:	Date:

Item	QTY	Catalog Number	Tag	Watts	Volts	PH	AMPS	Weight

ACCESSORIES			
Item	QTY	Part Number	Tag



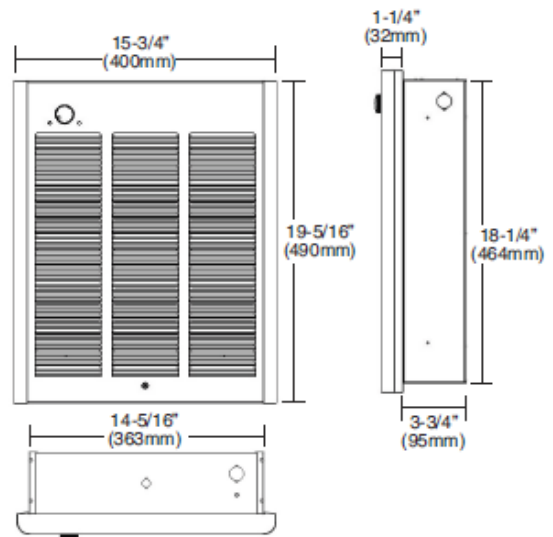
Marley
Engineered Products

470 Beauty Spot Road East
Bennettsville, South Carolina 29512
www.marlemep.com



Catalog Number	Volts	Amps	Watts	Phase	BTU/HR
FRA1512F	120	12.5	1500	1	5115
FRA1812F	120	15.0	1800	1	6138
FRA4024F	240/208	16.7/8.3 - 14.5/7.2	4000/2000 - 3000/1500	1	13,640/6820 - 10,230/5115
FRA4027F	277/240	16.7/8.3 - 14.5/7.2	4000/2000 - 3000/1500	1	13,640/6820 - 10,230/5115
FRA3027F	277	10.8/5.4	3000/1500	1	10230/5115
FRA4020F	208	19.2/9.6	4000/2000	1	13,640/6820
FRA40203F	208	11.1	4000	3	13,640
FRA40243F	240	9.7	4000	3	13,640
FRA4824F	240/208	20/17.3	4800/3600	1	16375/12280
FRA4827F	277/240	20/17.3	4800/3600	1	16375/12280
FRA4820F	208	23.1	4800	1	16,375
FRA48203F	208	13.4	4800	3	16,375
FRA48243F	240	11.6	4800	3	16,375
FRA3203F	347	5.8	2000	1	6820
FRA3206F	600	3.3	2000	1	6820
FRA3153F	347	4.3	1500	1	5115
FRA3156F	600	2.5	1500	1	5115
FRA3303F	347	8.6	3000	1	10,230
FRA3306F	600	5	3000	1	10,230
FRA3403F	347	11.5	4000	1	13,640
FRA3406F	600	6.7	4000	1	13,640
FRA3503F	347	13.8	4800	1	16,375
FRA3506F	600	8	4800	1	16,375

Accessories	
FRA5M	Surface mounting frame for surface installations - Northern White
FRA51	1" deep surface mounting frame for semi-recessed installation - Northern White
FRA52	2" deep surface mounting frame for semi-recessed installation - Northern White
VFKSFCNW	14 gauge security front cover - Northern White
FRAFCTPF	Tamper proof front cover - Northern White



- Fan-only operation for summer use
- Built-in power on/off switch for added safety during maintenance
- Manual reset thermal overheat protector disconnects power in the event of accidental blockage
- Automatic fan delay eliminates cold drafts on start-up and discharges residual heat from heater body during shut down
- All units have a permanently lubricated enclosed fan motor, which creates long life, low maintenance, and gently distributes warmth throughout the area

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS*

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

BACK BOX: The back box shall be designed as a recessed rough-in box in either masonry or frame installations and is also used when surface mounting frames are used in surface mounting installations. The back box shall be heavy gauge galvanized steel and shall contain knockouts through which power leads enter.

INNER FRAME ASSEMBLY: The heater assembly, which fits into the back box, shall consist of a heavy gauge steel fan panel to which all of the operational parts of the heater are mounted. The inner frame assembly shall be completely pre-wired.

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. The element shall cover the entire air discharge area to ensure uniform heating of all discharged air. It shall be warranted for 5 years.

ON/OFF SWITCH: A double-pole, single throw on/off switch shall be mounted on the back box for positive disconnect of power supply. It will be completely concealed behind the front cover.

MOTOR AND CONTROLS: The fan motor shall be totally enclosed, impedance protected, permanently lubricated and with a totally enclosed rotor. Fan control shall be of the bi-metallic, snap-action type and shall activate fan after heating element reaches operating temperature, and continue to operate the fan after the thermostat is satisfied and until all heated air has been discharged. The thermostat shall be single-pole type on all models. Thermal cutout shall be bi-metallic, snap-action type designed to shut off heat in the event of overheating. The fan shall be five-bladed aluminum.

SURFACE MOUNTING FRAME: The surface mounting frame shall be of heavy gauge steel designed to mount around the back box for a finished surface installation. Slot knock outs shall be provided for power supply conduit.

FRONT COVER: The louvered front cover shall be of heavy gauge steel with a powder paint finish. A plug button will be provided to replace the thermostat knob and render the unit tamper-resistant.

FINISH: All sheet metal parts, except the galvanized steel back box, shall be phosphatized, then completely painted by a powder paint process.

*In the interest of continual improvements in product and performance, Marley Engineered Products reserves the right to change specifications without notice.