

OPERATING INSTRUCTIONS UTILITY UNIT HEATERS 680 SERIES

MODEL NO.	WATTS	BTUH	VOLTS 60HZ	LINE AMPS	PLUG CAP ON CORD SET
HF684TC	4000/3000	13,652/10,239	240/208	16.7/14.4	20A
HF685TC	4800/3600	16,393/12,295	240/208	20.0/17.3	30A
HF686TC	5600/4200	19,113/14,335	240/208	23.3/20.2	30A

CAUTION

Check heater voltage and phase on data tape on back of heater to make sure they are the same as the electrical service supplied. Heaters coded with "HF" will operate on either 240 or 208 volts.

INSTALLATION INSTRUCTIONS

Be sure that the electrical receptacle is of the configuration and capacity appropriate for the heater.

The heater may be used as a heavy duty portable. It may also be mounted on the wall or ceiling by loosening the vertical adjustment knobs on each side of the heater and swinging the cradle to a position where the "bottom" of the cradle is to the rear or above the heater. The heater may be mounted to the wall or ceiling using the keyhole slots in the base or holes provided for threaded rod (supplied by others).

The wall/ceiling mounting structure and anchoring provisions must be of sufficient strength to support the combined weight of the heater and mounting bracket.

To facilitate mounting of the heater, it may be removed from the cradle and replaced after the cradle is mounted. The proper receptacle can be installed adjacent to the mounting location.

OPERATION

To operate heater, turn thermostat knob as far as it will go in a clockwise direction. When temperature reaches desired comfort level, slowly turn thermostat counterclockwise until heater shuts off. One or two minor adjustments may be necessary as the heat becomes better distributed throughout the area.

MAINTENANCE

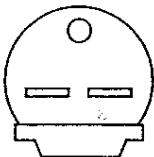
Heaters are equipped with a permanently lubricated motor and, therefore, no maintenance other than occasional cleaning is required.

"WHEN CLEANING OR DISASSEMBLING HEATER, BE SURE TO DISCONNECT HEATER CIRCUIT."

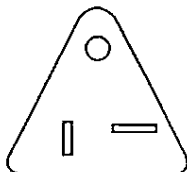
THERMAL CUTOFF DEVICE

All heaters are equipped with a thermally actuated disconnect which automatically disconnects heating element and motor in the event normal operating temperatures are exceeded. If heater should fail to operate with thermostat turned clockwise to its limit, disconnect heater and wait a few minutes, allowing heater to cool, and then restart. The thermal cut off automatically resets itself when normal temperatures are achieved.

The opening of a thermal cutout almost invariably indicates a partial or complete blockage of the air intake or exit. Be sure to keep these areas clear in order to allow proper circulation of air.



30 Amp Plug Configuration
NEMA #6-30P



20 Amp Plug Configuration
NEMA #6-20P

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