

OPERATING INSTRUCTIONS

UTILITY UNIT HEATERS 680 SERIES

MODEL NO.	WATTS	BTUH	VOLTS 60HZ	LINE AMPS	PLUG CAP ON CORD SET
HF686TC	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

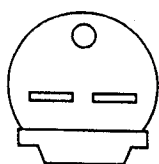
Heaters are equipped with a permanently lubricated motor and, therefore, no maintenance other than occasional cleaning is required.

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

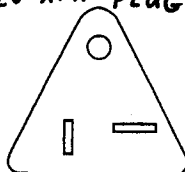
THERMAL CUTOFF DEVICE

All heaters are equipped with a thermally actuated manual reset limit control 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. Using a small straight object such as a pencil, push in button located inside small hole marked RESET. The 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



20 AMP PLUG



tpi corporation

P.O. Box 4973, CRS
Johnson City, TN 37602-4973

Limited Warranty

Products manufactured by TPI Corporation are warranted to the original consumer to be free from defects in material and workmanship for twelve (12) months from the original date of purchase. The TPI warranty does not cover products modified outside our factory, damage or failure caused by acts of God, abuse, misuse, connected to or placed on other than rated voltage, abnormal usage, faulty installation, failure to follow suggested maintenance procedures enclosed with the product, improper maintenance or any repairs other than those provided by an authorized TPI Corporation service center.

There are no obligations or liabilities on the part of the corporation for consequential damages arising out of, or in connection with, the use or performance of the product, or other indirect damages with respect to loss of property, revenues, or profit, or costs of removal, installation or reinstallation.

All implied warranties with respect to TPI products, including implied warranties for merchantability and implied warranties for fitness, are limited in duration to twelve(12) months from original date of purchase, except those products or parts of products which are warranted for longer periods. On such products or parts of products all implied warranties for merchantability and fitness are limited to the duration of the extended warranty period thereon.

Some states do not allow the exclusion or limitation of incidental or consequential damages and some states do not allow limitations on how long an implied warranty lasts. The above exclusions or limitations may not apply to you.

During the warranty period, TPI Corporation will, at its sole option, repair or replace any defective parts or products returned, freight prepaid, to the TPI Corporation factory or such other location as TPI Corporation may designate. Returned products must be packaged carefully and TPI Corporation shall not be responsible for damage in transit. When returning parts, the owner must provide the model number of the product and nature of difficulty being experienced. This warranty does not obligate TPI Corporation to bear the cost of labor in replacing any assembly, unit or component part thereof, nor does the company assume any liability for secondary charges, expenses for installing or removal, freight or damages. There will be charges rendered for product repairs made after out warranty period has expired. Proof of purchase, including date, must accompany request for in-warranty service. In any event, TPI Corporation's maximum liability shall not in any case exceed the list price for the product claimed to be defective. This warranty gives you specific legal rights and you may have other rights, which may vary, from state to state. For the name of your nearest authorized TPI Corporation service center, please write to TPI Corporation, P.O. Box 4973, Johnson City, Tennessee, 37602.

In addition to the Limited Warranty stated above covering general products, TPI Corporation extends this warranty on the following listed products, which are warranted to the original consumer from the original date of purchase for the total time periods indicated herein below:

Heating Products	
1. Elements in 198 Series Portable	Life of Heater
2. Elements in Baseboards	10 years
3. All Other Heating Products	1 year
4. Thermostats and Controls	2 years

Ventilation Products	
1. Series HD or HDH Fans	5 years
2. Series UHP or IHP Fans	3 years
3. All Other Ventilation Products	1 year

