

HEATING FIELD ASSIST REQUEST FORM



Date _____

Installation Date _____

Dealer _____

Distributor _____

Technician _____

Customer _____

EQUIPMENT

	Model #	Serial #
Furnace		
Thermostat		
Humidifier		
Indoor Coil		
Outdoor Unit		
Electronic Air Cleaner		

INSTALLATION DATA

Furnace Location _____

Furnace Orientation _____

Type of Fuel _____

Filter Size _____

Thickness _____

Single Stage Furnace

Heat Off Delay _____ sec. Heating Speed Tap Selected _____ Cooling Speed Tap Selected _____

Two Stage Furnace

Low Fire Tap Selected _____ High Fire Tap Selected _____ Cooling Speed Tap Selected _____

Furnace Control Board DIP Switches 1. ON OFF 2. ON OFF 3. ON OFF

Variable Speed Furnace

Tap Select Interface Board Part # (TSIB) _____ Board Color GREEN WHITE

TSIB DIP Switch Settings 1. ON/OFF 2. ON/OFF 3. ON/OFF 4. ON/OFF 5. ON/OFF 6. ON/OFF 7. ON/OFF 8. ON/OFF

HK42PG003 (White Board) J1. + NOM - J2. AC/HP EFFICIENCY HP COMFORT

OPERATIONAL CHECK

FLASH CODE _____

FLAME SENSOR CURRENT _____ μ A D.C

Voltage Checks

Line Voltage _____ vac(s) Control Voltage _____ vac(s) Line Voltage _____ vac(o) Control Voltage _____ vac(o)

Main Limit _____ vac(o) Roll Out Switch(es) _____ vac(o) Pressure Switch(es) _____ vac(o)

* S = Static Condition O = Operating Condition

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BLOWER AMP DRAW Low Fire _____amps High Fire _____amps Low Cool _____amps High Cool _____amps

INDUCER AMP DRAW Low Fire _____amps High Fire _____amps

PRESSURE SWITCH Makes @ _____" w.c. Low Fire Breaks @ _____" w.c. Low Fire
Makes @ _____" w.c. High Fire Breaks @ _____" w.c. High Fire

DUCT SYSTEM STATIC PRESSURE (ESP)

Low Fire _____" w.c. High Fire _____" w.c. Low Cool _____" w.c. High Cool _____" w.c.

FIRING RATE

Firing rate = heat content (btu/cu. ft.) X 3600(sec/hr)/ seconds for 1 revolution(assume 1 cu. ft. dial)

Example - (950 btu/cu. ft.) X (3600 sec/hr.) / 48 sec. = 71,250 btu/hr.

Local Gas Heat Content _____btu/hr. High Fire _____btu/hr. Low Fire _____btu/hr.

Supply Pressure* _____"w.c. Orifice # _____ Altitude _____ft.

Manifold Pressure: High Fire _____"w.c. Low Fire _____"w.c.

*Supply pressure should be checked with all other gas appliances running

TEMPERATURE RISE

Supply Air Temperature _____(°F) High Fire _____(°F) Low Fire

Return Air Temperature _____(°F) High Fire _____(°F) Low Fire

Temperature Rise** _____(°F) High Fire _____(°F) Low Fire

**Temperature rise is equal to the supply air temp minus the return air temp @ steady state operation.
The supply temperature should be measured away from the line of sight of the heat exchanger.

VENTING SYSTEM

PVC:

Total Length _____ft. Pipe Diameter _____in. # of Elbows _____ Long Radius Elbows? Y N

Termination Location _____ Termination Type SIDEWALL CONCENTRIC 1 PIPE 2 PIPE

METAL:

Vent Height _____ft. Vent Diameter _____in. Vent Type CHIMNEY LINER DOUBLE WALL

Vent Cap Above Peak Y N If No, Distance From Peak _____ft.

Connector Length _____ft. Connector Diameter _____in. Connector Height Above Furnace _____ft.

Connector Type SINGLE WALL DOUBLE WALL Water Heater Input _____btu/hr

COMBUSTION ANALYSIS

O2 _____% CO2 _____% CO free _____% Stack Temp. _____(°F) Ambient Temp. _____(°F)

Excess Air _____%