



# TURBOPOWER 99 Water Heater Start-Up Report

See Installation and Maintenance Manual for Detailed Start-Up Requirements

Model Number: \_\_\_\_\_ Serial Number: \_\_\_\_\_ Date: \_\_\_\_\_  
 Job Name: \_\_\_\_\_ Original **Start-Up or Service Call?** \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

### GENERAL

Installation is:  New  Replacement/Renovation  Indoor  Outdoor  
 Primary operating voltage supply: \_\_\_\_\_ VAC (unit operating) Voltage from neutral to earth ground: \_\_\_\_\_ (should be zero)  
 Energy Management System (EMS) Interface:  Yes  No Mfg./Model \_\_\_\_\_  
 EMS function:  Remote On-Off  Outdoor Reset  Staged Firing  Other: \_\_\_\_\_  
 EMS connected to which boiler terminals: \_\_\_\_\_ EMS field wire gauge: \_\_\_\_\_ Heater distance from EMS panel \_\_\_\_\_

### GAS SUPPLY

Type of Gas:  NAT  LP Gas supply pipe size: \_\_\_\_\_  
 Is there an inlet gas lockup regulator on the supply?  Yes  No Mfg./Model \_\_\_\_\_  
 Static incoming gas pressure (no units operating) \_\_\_\_\_ inches of water column (see rating decal for maximum inlet gas pressure)  
 Dynamic gas pressure (all units operating) \_\_\_\_\_ inches of water column (see rating decal for minimum inlet gas pressure)  
 High gas pressure switch setting: \_\_\_\_\_ inches W.C. Low gas pressure switch setting: \_\_\_\_\_ inches W.C.

### WATER

Is there a floor drain in the mechanical room?  Yes  No Is the T & P Relief Valve plumbed to a suitable drain:  Yes  No  
 Is there a recirculating loop?  Yes  No Circulating Pump H.P.: \_\_\_\_\_ Is the condensate piping plumbed to a suitable drain:  Yes  No  
 Is there a water softener on the cold water supply?  Yes  No Is there a mixing valve on hot water supply?  Yes  No  
 High-Limit Thermostat setting: \_\_\_\_\_ F. Upper Oper. Thermostat setting: \_\_\_\_\_ F. Operating Thermostat (s) setting: \_\_\_\_\_ F. \_\_\_\_\_ F.

### VENTING

Conventional -vertical termination  Sidewall Termination Vent Diameter: \_\_\_\_\_ inches. Equivalent Vent Length: \_\_\_\_\_ feet  
 Vent Material (PVC, CPVC or positive pressure rated Stainless Steel venting): \_\_\_\_\_  
 Does vent contain any mechanical draft device?  Power Vent  Draft Inducer Device connected to which heater terminals? \_\_\_\_\_  
 Is mechanical draft device interlocked with heater controls?  Yes  No Is mechanical draft device variable speed, modulating type?  Yes  No

### COMBUSTION and VENTILATION AIR

Two openings to the outside  One opening to the outside  Two ducts from the outside  Two ducts from an interior space  
 Total Btu/hr of all equipment in room: \_\_\_\_\_ Btu/hr Total area of combustion and ventilation openings: \_\_\_\_\_ (square inches)  
 Does combustion air supply contain any mechanical device?  Louvers  Air Intake Fan  Other: \_\_\_\_\_  
 Is mechanical air device interlocked with heater controls?  Yes  No Device connected to which heater terminals? \_\_\_\_\_  
 Direct-Duct Combustion Air?  Yes  No Duct Material: \_\_\_\_\_ Duct Diameter: \_\_\_\_\_ inches. Equivalent Duct Length: \_\_\_\_\_ feet.  
 Is Direct-Duct Combustion Air Combined with other units?  Yes  No How Many: \_\_\_\_\_ Common Duct Size & Length: \_\_\_\_\_

### BURNER COMBUSTION ADJUSTMENT

Combustion Data (at 120 degree minimum tank temp)	
Carbon Dioxide CO <sub>2</sub> (8 % - 10 %):	
Oxygen O <sub>2</sub> (3 % - 6 %):	
Carbon Monoxide CO (should not exceed 200 PPM):	
Nitrogen Oxide NO <sub>x</sub> %:	
Vent Pressure (should not exceed + 2" W.C.):	
Gross Vent Temperature Degree F:	
Net Vent Temperature (Maximum 160 degree F):	
Combustion Efficiency %:	

COMMENTS

Start-Up performed by (please print): Company: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
 Print Name: \_\_\_\_\_ Signature: \_\_\_\_\_

Start-Up accepted by (please print): Company: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
 Print Name: \_\_\_\_\_ Signature: \_\_\_\_\_