

Specification for 75,000 pph Mobile Boiler

One (1) 75,000 lb./hr. Low Nox mobile boiler, combination natural gas or No. 2 fuel oil fired, design pressure 350 psi, capable of producing 75,000 lbs. of steam per hour from and at 125 psi to 325 psi. Based on 1000' elevation.

The boiler comes complete with gas train (less gas pressure regulator), oil train, No. 2 fuel oil pump, second low water cut off, pressure controls, flame safeguard control, relief valves, feedwater valves, blowdown valves, and a fully modulating Low Nox burner.

Also included:

- Electrical switch gear
- One (1) main steam stop valve
- One (1) stub stack section, flanged, height 6 ft
- One (1) operator's manual
- Gas pressure regulators may be purchased for specific applications

The unit is prepiped and mounted on a 54' trailer.

Gooseneck and rear axles are detachable and may be removed at the request of Ware.

Connection Sizes:

- Main steam outlet - 8", 300# flanged
- Natural gas connection - 3", 150# flanged
- Regulated inlet gas pressure - 10 PSIG
- Oil inlet - 1-1/2", Oil return - 3/4"
- Pilot gas connection size, if oil fired - 2" F.P.T.
- Blowdown - 1-1/2" 300# flanged
- Feedwater connections - 2-1/2" 300# flanged
- Atomizing air - 1" FPT

NOTE: When firing on oil, atomizing air must be provided during start up period and any time steam pressure drops below 150 psi.

Fuel Requirements:

- Natural gas consumption - 92,000 CFH
- No. 2 fuel oil - 678 GPH
- Air atomizing - 250 SCFM at 100 psig
- Steam atomizing - 800 lbs./hr. at 125 psig

Voltage and Amperage Requirements:

- 480 volts 200 amp service, 3 phase