1,000 HP SUPER HIGH EFFICIENCY LOW NOx MOBILE BOILER ROOM
YORK-SHIPLEY

One (1) 1,000 horsepower mobile boiler room complete with one (1) 1,000 horsepower Low NOx steam boiler, High Efficiency Limpsfield Low Nox, combination natural gas or No. 2 fuel oil fired, design pressure 250 psi, capable of producing 34,000 lbs. of steam per hour from and at 212 F. (1,000hp at 70ppm NOx, 900hp at 30ppm NOx)

Fuel savings utilizing the Ware exclusive Super High Efficiency system versus a standard low nox burner with linkages is estimated to be 8 to 12% depending on your load. Performance criteria shows those savings in dollars and is based upon a 70% load. Fuel savings is estimated to be $9,833.00 per month.

The boiler comes complete with gas train, oil train, No. 2 fuel oil pump, second low water cut-off, pressure controls, flame safeguard control, relief valves, feedwater valves, blowdown valves, a fully modulating High Efficiency Limpsfield Low Nox burner equipped with Auto Flame controls. Blower motor controlled with a VFD.

Also included:

- One (1) deaerator system
- Two (2) feedwater pumps with VFD's
- One (1) twin water softener system
- Two (2) chemical pumps
- One (1) blowdown system
- Electrical switch gear
- One (1) propane hose and regulator for pilot connection, if oil fired
- One (1) main steam stop valve, (1) main steam gate valve bolted to a spool piece, to be installed and supported at the job site.
- One (1) operator's manual

The unit is prepiped and totally enclosed in a 57’ L X 102” W trailer 13’ 6” tall.

Connection sizes:

- Main steam outlet - 6", 300# flanged
- Natural gas connection – 4", 150# flanged
- Maximum inlet pressure to gas regulator - 10 PSIG, Minimum 8 PSIG
- #2 fuel oil connections - 1 1/2" (Storage tank by others)
- Feedwater - 2" MPT
- Condensate Return 2 1/2" 150# flanged
- Propane tank connection size for pilot, if oil fired, 3/8" flared.
Propane tank provided by others.

Fuel Consumption:

- Natural gas - 41,000 SCFH
- No. 2 fuel oil - 300 GPH

Voltage and amperage requirements:

- 480 volts 200 amp service, 3 phase