

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

One (1) 1,000 horsepower mobile boiler room complete with one (1) 1,000 horsepower Low NO_x 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 NO_x, 900hp at 30ppm NO_x)

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