

## **650HP Super High Efficiency Low Nox Mobile Boiler Room**

One (1) 650 horsepower mobile boiler room complete with one (1) 650 horsepower Low NOx steam boiler, High Efficiency Limpsfield Low Nox Burner, combination natural gas or No. 2 fuel oil fired, design pressure 250 psi, capable of producing 22,425 lbs. of steam per hour from and at 212 F.

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.

### **Also included:**

- One (1) deaerator system
- Two (2) feedwater pumps with VFD's
- One (1) twin water softener system designed for 100% make up
- 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
- One (1) operator's manual

The unit is prepiped and totally enclosed in a 53' trailer.

### **Connection sizes:**

- Main steam outlet - 6", 300# flanged
- Natural gas connection – 3", 150# flanged
- Maximum inlet pressure to gas regulator - 10 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 - 27,300 SCFH
- No. 2 fuel oil - 195 GPH

### **Voltage and amperage requirements:**

- 480 volts 150 amp service, 3 phase