



Unit No. B-697: 650 HP, 250 PSIG D.P., #2 Oil and Natural Gas



Aesys-Faber Packaged Firetube Boiler; model YSG650-XID, constructed in 2006 in accordance with the ASME Code; Section I, for a design pressure of 250 PSIG. Unit is a two-pass dryback design with 1750 square feet of fireside heating surface. This boiler is constructed with *XID* rifle barrel style boiler tubes. The boiler is equipped with a shop mounted and wired **Faber** Low NOx forced draft burner; model *LxE-LNAF650-GO*, with integral flue gas recirculation. Valving trim, controls and ancillary equipment include but are not limited to the following;

- **Flue Gas Recirculation** assembly for NOx emissions reduction to 20 PPM.
- **Primary Low Water Cut-off** and feed pump control; McD&M No. 194
- **Secondary Low Water Cut-off**, Warrick probe type with manual reset
- **Boiler Valve Trim** including; feedwater stop and check valving, blowdown, blow-off and vent valves and safety relief valves per ASME Code
- **Water Column** with sight glass, gauge cocks and blowdown valves, mounted on the primary low water cut-off.
- **Front and rear hinged covers.**
- **Pressure Gauge** with isolation valve and stack thermometer
- **Boiler/Burner Control Center** consisting of a *Fireye E-110* primary flame control and detector, combustion control system; *Moore 353*, motor starters, relays, fuse blocks, limit switches, alarm bell, indicating lights, control circuit transformer, elapsed time meter and potentiometer with selector switch for manual firing rate adjustment.
- **Pressure Limit Switches**; operating steam pressure limit, safety limit, low fire hold control and modulating steam pressure controller.
- **Fuel Oil Pump** with motor drive, suction strainer and relief valve. Shipped loose for field positioning, piping and wiring.
- **NFPA 8501** safety code requirements
- **FM Insurance** approvals
- **National Board Certified**

Connections:

Steam Outlet - 8.0" x 300#	Blowdown - 2.0" NPT	#2 Oil, S & R - 0.75" NPT	Primary Electric - 460v/3/60
Feedwater - 2.0" NPT	Blow-off - 1.0" NPT	Natural Gas - 3.0" NPT	Stack/Exhaust - 24" ID

Dimensions: 28' 09" Long x 8' 06" Wide x 8' 04" High. **Weights:** Shipping - 55,000 Lbs, Operating - 63,500 Lbs.

This unit is new, never used and is offered with a one-year parts warranty, subject to prior sale or rental.