



**Performance Heating, LLC - Data Sheet**  
**SG Series - Design Pressure 174 psi**  
**Fire Tube Boiler**

Heater Features		600	800	1000	1200	1500	2000	2200	2500
Design Pressure	psi	174	174	174	174	174	174	174	174
Efficiency (100% Load)	%	90	90	90	90	90	90	90	90
Capacity	BHP	423	563	704	845	1,057	1,409	1,550	1,761
Capacity	BTU/hr	14,159,925	18,846,425	23,566,400	28,286,375	35,383,075	47,166,275	51,886,250	58,949,475
Steam Production	lb/hr	13,228	17,637	22,046	26,455	33,069	44,092	48,502	55,116
Steam Production(212°F)	lb/hr	14,584	19,443	24,295	29,167	36,464	48,612	53,462	60,759
L Length	in	291	313	329	350	370	406	433	472
W Width	in	128	128	142	142	148	148	154	157
H Height	in	114	114	128	130	140	150	150	150
Exhaust Diameter	in	24	24	28	28	31	33	36	36
Steam Outlet Valve	in	5	6	6	6	8	8	10	5
Feed Water Line	in	2	3	3	3	4	4	4	5
Oil Content	gal	20	25	44	44	110	110	110	177
Weight (Empty)	lb	2420	3080	3520	3520	6160	6160	6160	9460

**Design Notes:**

- (A) Standard design pressures are 174, 218, & 261 psi.
- (B) A standard burner has been used for dimensioning purposes
- (C) Multiple burner fuel options are available
- (D) Higher efficiency options are available (Model SG-PA)
- (E) Optional integrated economizer for heat recovery (Model SG-ECO)

**Additional Options:**

- (A) Circulation pumps for fire tube boiler
- (B) Motor control panel(s) for circulation pump and burner
- (C) Feed water tank(s) with tank tower
- (D) Feed water softening system
- (E) Surge tank(s) with tank tower
- (F) Pressure reducing stations
- (G) Skid assembly of boiler and/or ancillary components
- (H) Complete packaged systems are available for easy installation
- (I) Containerized equipment is available
- (J) PLC for enhanced DCS communication

