



Performance Heating, LLC - Data Sheet
SG Series - Design Pressure 12 bar
Fire Tube Boiler

Heater Features		600	800	1000	1200	1500	2000	2200	2500
Design Pressure	bar	12	12	12	12	12	12	12	12
Efficiency (100% Load)	%	90	90	90	90	90	90	90	90
Capacity	kW	4,150	5,523	6,907	8,290	10,370	13,823	15,206	17,276
Steam Production	kg/hr	6,000	8,000	10,000	12,000	15,000	20,000	22,000	25,000
Steam Production(212°F)	kg/hr	6,615	8,819	11,020	13,230	16,540	22,050	24,250	27,560
L Length	mm	7400	7950	8350	8900	9400	10300	11000	12000
W Width	mm	3250	3250	3600	3600	3750	3750	3900	4000
H Height	mm	2900	2900	3250	3300	3550	3800	3800	3800
Exhaust Diameter	mm	600	600	720	720	800	850	920	920
Steam Outlet Valve	mm	125	150	150	150	200	200	250	125
Feed Water Line	mm	50	65	80	80	100	100	100	125
Oil Content	L	75	96	165	165	418	418	418	670
Weight (Empty)	kg	1100	1400	1600	1600	2800	2800	2800	4300

Design Notes:

- (A) Standard design pressures are 12, 15, & 18 bar.
- (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

