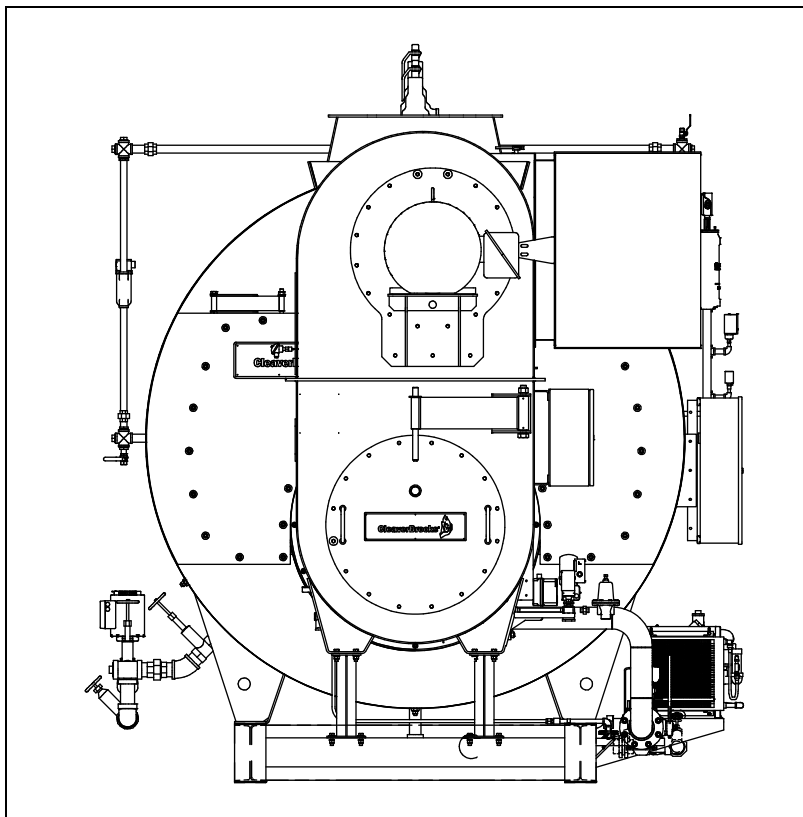


MODEL CBEX PREMIUM BOILERS 900 - 1200 HP



Dimensions and Ratings

Table 1: CBEX Premium 900-1200 Ratings

BOILER H.P.	900	1000	1100	1200
Burner Model (Standard)	XL-1	XL-1	XL-1	XL-1
Burner Model (30 ppm)	LNXL-1	LNXL-1	LNXL-1	LNXL-1
RATINGS - SEA LEVEL TO 700 FT.				
Rated Capacity (lbs-steam/hr from and at 212 OF)	31050	34500	37950	41400
Btu Output (1000 Btu/hr)	30128	33475	36823	40170
APPROXIMATE FUEL CONSUMPTION AT RATED CAPACITY BASED ON NOMINAL 80% EFFICIENCY				
Light Oil gph (140,000 Btu/gal)	269.0	298.9	328.8	358.7
Gas CFH (1000 Btu)	37659	41844	46028	50213
Gas (Therm/hr)	376.6	418.4	460.3	502.1
POWER REQUIREMENTS - SEA LEVEL TO 700 FT. (60 HZ)				
Blower Motor hp (Standard) ^A	30	40	50	60
Blower Motor hp (30 ppm) ^A	40	50	60	75
Circulating Oil Pump Motor hp ^B	1 1/2	1 1/2	1 1/2	1 1/2
Oil Metering Pump Motor hp ^B	n/a	n/a	n/a	n/a
Air Compressor Motor hp ^B	15	15	40	40
BOILER DATA				
Heating Surface sq-ft. (Fireside)	2810	2810	2955	2955

NOTES:

A. Blower motor size for boiler operating pressures 125 psig and less, contact your local Cleaver-Brooks authorized representative for higher pressures and altitude.

B. Required for #2 Oil Firing.

C. All fractional hp motors will be single phase voltage except oil metering pump motors which are three phase. Integral hp motors will be three phase voltage.

Figure 1. CBEX Premium 900-1200 Steam

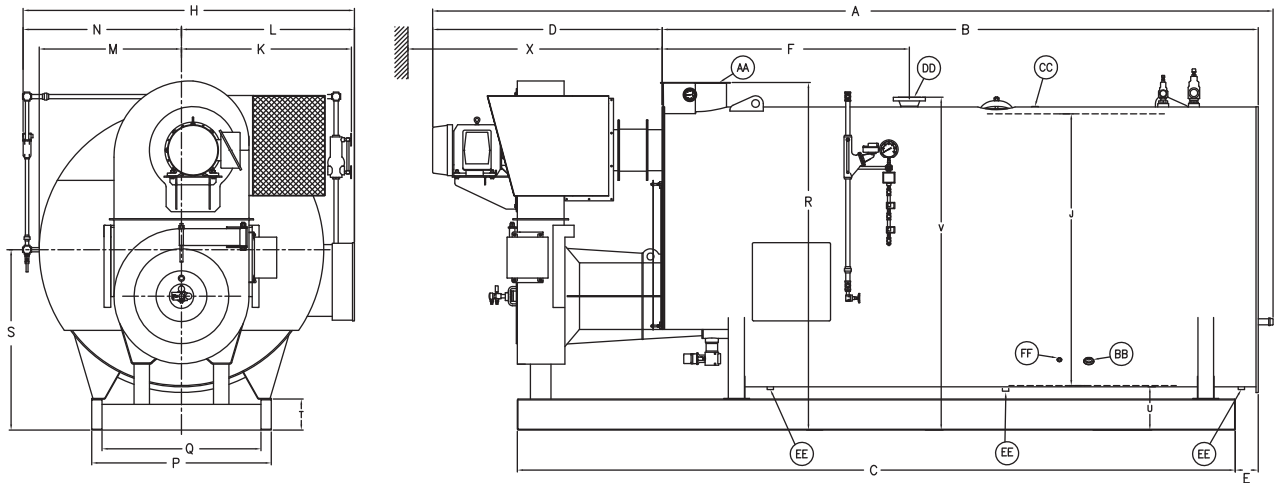


Table 2: CBEX Premium 900-1200 Dimensions

BOILER H.P.	DIM	900	1000	1100	1200
LENGTHS					
Overall Length	A	354	354	364	364
Shell	B	256	256	266	266
Base Frame	C	305.5	305.5	315.5	315.5
Burner Extension	D	92	92	92	92
Rear Ring Flange to Base	E	11.25	11.25	11.25	11.25
Shell Flange to Steam Nozzle	F	134	134	140	140
WIDTHS					
Overall Width	H	130.5	130.5	130.5	130.5
I.D. Boiler	J	106	106	106	106
Center to Water Column	K	68	68	68	68
Center to Panel	L	67.5	67.5	67.5	67.5
Center to Lagging	M	56	56	56	56
Center to Auxiliary LWCO	N	63	63	63	63
Base Outside	P	74.75	74.75	74.75	74.75
Base Inside	Q	61.75	61.75	61.75	61.75
HEIGHTS					
Base to Vent Outlet (Overall Height)	R	138	138	138	138
Base to Boiler Centerline	S	71	71	71	71
Height of Base Frame	T	12	12	12	12
Base to Bottom of Boiler	U	17.5	17.5	17.5	17.5
Base to Steam Outlet	V	131	131	131	131
BOILER CONNECTIONS					
Feedwater Inlet (Both Sides)	BB	3	3	3	3
Surface Blowoff	CC	1	1	1	1

Table 2: CBEX Premium 900-1200 Dimensions (Continued)

Steam Nozzle (300# ANSI Flange)	DD	10	10	10	10
Blowdown-Front & Rear	EE	2	2	2	2
Chemical Feed	FF	0.75	0.75	0.75	0.75
VENT STACK					
Vent Stack Diameter (Flanged)	AA	32	32	32	32
MINIMUM CLEARANCES					
Tube Removal - Front Only	X	181	181	192	192
MINIMUM BOILER ROOM LENGTH ALLOWING FOR TUBE REMOVAL:					
Thru Window or Door		396	396	406	406
Front of Boiler		473	473	494	494
WEIGHTS IN LBS					
Normal Water Weight		34,430	34,430	32,670	32,670
Approx. Shipping Weight - (150psig)		47,000	47,000	49,000	49,000

NOTES:

Accompanying dimensions, while sufficiently accurate for layout purposes, must be confirmed for construction by certified dimension diagram/drawing.

All connections are threaded unless otherwise indicated.