



BOILER HP	DIM	125	150	200	250	300	350	400	500	600	700	750	800
LENGTHS													
Overall	A	174-1/2	199-1/2	232-1/2	197	227	257	210	244	284	317	319	319
Shell	B	125	149	180	144	171	201	152	186	222	255	255	255
Base Frame	C	124	148	179	143	170	200	151	185	221	254	254	254
Front Head Extension	D	30	31	33	29	32	32	26	26	30	30	32	32
Rear Head Extension	E	19-1/2	19-1/2	19-1/2	24	24	24	32	32	32	32	32	32
Front Ring Flange to Nozzle - 15 psig	F	62-1/2	74-1/2	90	72	85-1/2	100-1/2	76	93	111	127-1/2	127-1/2	127-1/2
Front Ring Flange to Nozzle - 150 psig	F	55	66	78	59-1/2	73	88	62	79	97	127-1/2	127-1/2	127-1/2
Ring Flange to Base	G	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
WIDTHS													
Overall	I	85	85	85	103	103	103	123	123	123	123	123	123
ID, Boiler	J	60	60	60	78	78	78	96	96	96	96	96	96
Center to Water Column	K	45	45	45	54	54	54	64	64	64	64	64	64
Center to Outside Hinge	KK	35	35	35	51	51	51	62	62	62	62	62	62
Center to Lagging	L	33	33	33	42	42	42	51	51	51	51	51	51
Center to Auxiliary LWCO	LL	40	40	40	49	49	49	59	59	59	59	59	59
Base, Outside	M	52-1/2	52-1/2	52-1/2	64-3/8	64-3/8	64-3/8	72	72	72	72	72	72
Base, Inside	N	44-1/2	44-1/2	44-1/2	52-3/8	52-3/8	52-3/8	56	56	56	56	56	56

Figure A2-2. Model CB Steam Boiler Dimensions and Weights (15 and 150 psig Design Pressure - 125 to 800 hp) Sheet 1 of 2

BOILER HP	DIM	125	150	200	250	300	350	400	500	600	700	750	800
<b>HEIGHTS</b>													
Base to Steam Outlet (15 psig only)	PL	77	77	77	96	96	96	116	116	116	116	116	116
Overall	OO	88	88	88	106	106	106	126	126	126	126	126	126
Base to Vent Outlet	O	85	85	85	106	106	106	126	126	126	126	126	126
Base to Steam Outlet (150 psig only)	PH	77	77	77	96	96	96	116	116	116	116	116	116
Davit (Front)	DF	-	-	-	104	104	104	125	125	125	125	125	125
Davit (Rear)	DR	84-3/4	84-3/4	84-3/4	104	104	104	126	126	126	126	126	126
Height of Base	Q	12	12	12	10	10	10	12	12	12	12	12	12
Base to Bottom of Boiler	R	16	16	16	17	17	17	19	19	19	19	19	19
<b>BOILER CONNECTIONS</b>													
Chemical Feed	H	1	1	1	1	1	1	1	1	1	1	1	1
Feedwater, Right and Left	S	1-1/2	1-1/2	2	2	2	2-1/2	2-1/2	2-1/2	2-1/2	2-1/2	2-1/2	2-1/2
Low Pressure (15 psig only) Steam Nozzle (Note A) Drain, Front and Rear	U W	8 1-1/2	8 1-1/2	10 2	10 2	12 2	12 2	12 2	12 2	12 2	12 2	12 2	12 2
High Pressure (150 psig only) Surface Blowoff, Top C <sub>L</sub> Steam Nozzle (Note B) Blowdown, Front and Rear	T Y W	1 4 1-1/2	1 4 1-1/2	1 4 1-1/2	1 6 1-1/2	1 6 1-1/2	1 6 1-1/2	1 6 2	1 8 2	1 8 2	1 8 2	1 8 2	1 8 2
<b>VENT STACK</b>													
Diameter (figd. connection)	BB	16	16	16	20	20	20	24	24	24	24	24	24
Front Ring Flange to Vent C <sub>L</sub>	CC	9	9	9	10-1/2	10-1/2	10-1/2	12-1/2	12-1/2	12-1/2	12-1/2	12-1/2	12-1/2
<b>MINIMUM CLEARANCES</b>													
Rear Door Swing	DD	32C	32C	32C	43C	43C	43C	53C	53C	53C	53C	53C	53C
Front Door Swing	EE	67	67	67	89C	89C	89C	108C	108C	108C	108C	108C	108C
Tube Removal, Rear	FF	115	139	170	131	157	187	135	169	205	238	238	238
Tube Removal, Front	GG	103	127	158	116	142	172	116	151	187	220	220	220
<b>MINIMUM BOILER ROOM LENGTH ALLOWING FOR DOOR SWING AND TUBE REMOVAL FROM:</b>													
Rear of Boiler	RR	307	355	417	364	417	477	395	463	535	601	601	601
Front of Boiler	RF	260	308	370	303	356	416	322	390	462	528	528	528
Thru Window or Doorway	RD	224	248	279	275	302	332	313	347	383	416	416	416
<b>WEIGHT IN LBS</b>													
Normal Water Capacity		5750	7250	8625	10670	13000	15465	15340	19300	23425	27790	27790	27790
Approx. Ship Wgt - 15 psig		12200	12900	15200	21800	24000	27300	33500	38400	44000	51400	51400	51400
Approx. Ship Wgt - 150 psig		12800	13800	16300	23400	26000	28500	36500	41400	47000	54100	54100	54100
Approx. Ship Wgt - 200 psig		13400	14500	17100	25200	28000	30000	38300	44000	50500	57700	57700	57700

**NOTES:**

1. Air compressor belt driven from blower motor on sizes 125 thru 350 hp.
  2. Control Panel relocation on boilers 250 hp and up.
  3. Air compressor module on sizes 400 thru 800 hp.
  4. Accompanying dimensions, while sufficiently accurate for layout purposes, must be confirmed for construction by certified dimension prints.
- A. ANSI 150 psig flange.  
 B. ANSI 300 psig flange.  
 C. Davit equipped, standard, 125 - 800 hp (rear door).  
 D. Davit equipped, standard, 250- 800 hp (front door)

**Figure A2-2. Model CB Steam Boiler Dimensions and Weights (15 and 150 psig Design Pressure - 125 to 800 hp) Sheet 2 of 2**