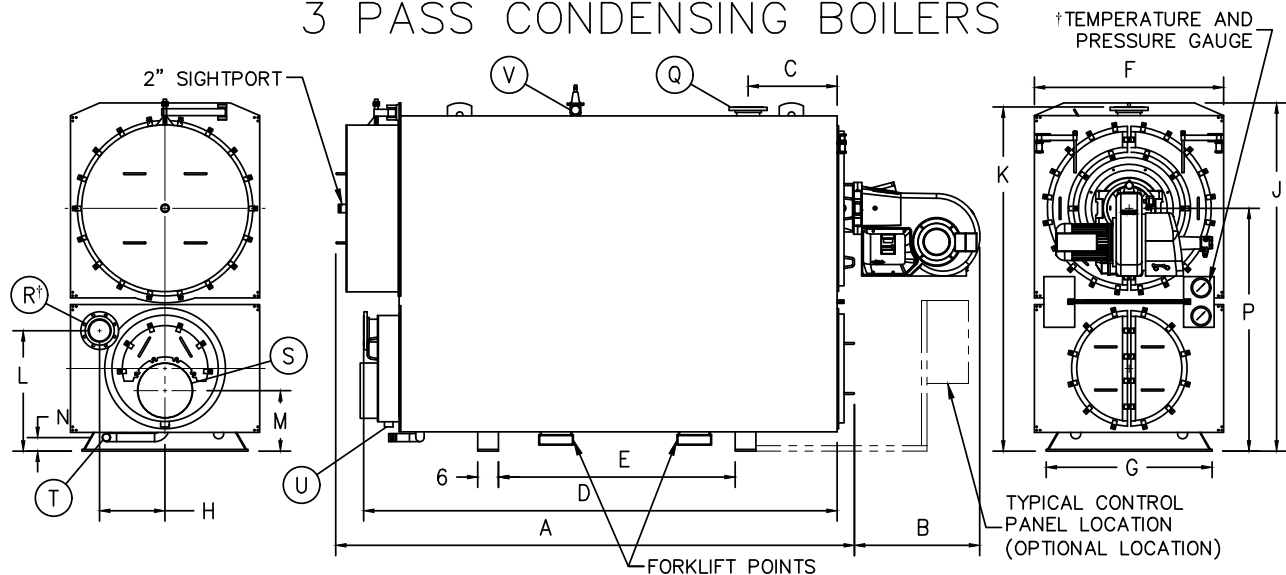


SUPERIOR BOILER BUILT TO OUTPERFORM CHEYENNE

3 PASS CONDENSING BOILERS



DIMENSIONAL DATA IS PROVIDED FOR SELECT SIZES, BOILERS AVAILABLE IN 1MIL BTU/HR INCREMENTS FROM 4 TO 12 MIL - 125# STD 160# MAX

BOILER MODEL	DIM	4000	5000	6000	7000	8000	9000	10000	11000	12000
LENGTHS: Overall	A	134	134	150	153	170				
Burner Extension*.....	B	33	33	37	37	37				
To Supply Nozzle	C	25 $\frac{3}{4}$	25 $\frac{3}{4}$	25 $\frac{3}{4}$	25 $\frac{3}{4}$	25 $\frac{3}{4}$				
To Return Nozzle.....	D	123	123	137	145	157				
Between Supports	E	62	62	69	78	90				
WIDTHS: Overall	F	45	51	55	57	57				
Support Width.....	G	42	46	48	50	50				
¢ to Return	H	17 $\frac{1}{2}$	18 $\frac{1}{4}$	19	22 $\frac{1}{2}$	21 $\frac{3}{4}$				
HEIGHTS: Overall	J	86 $\frac{1}{2}$	94 $\frac{1}{2}$	100 $\frac{1}{2}$	106 $\frac{1}{2}$	108 $\frac{1}{2}$				
Outlet Nozzle.....	K	85 $\frac{1}{2}$	93 $\frac{1}{2}$	99 $\frac{1}{2}$	105 $\frac{1}{2}$	107 $\frac{1}{2}$				
Return Nozzle.....	L	32	33 $\frac{1}{2}$	34 $\frac{3}{4}$	39	43				
Flue Outlet.....	M	16	15 $\frac{3}{8}$	17 $\frac{1}{2}$	17 $\frac{1}{2}$	17 $\frac{1}{2}$				
Drain.....	N	4	4	4	4	4				
Furnace ¢	P	61	66	70	75	77				
CONNECTIONS:										
Supply Nozzle**	Q	6	6	6	8	8				
Return Nozzle**	R†	6	6	6	8	8				
Flue Outlet	S	12	12	16	16	16				
System Drain	T	2	2	2	2	2				
Condensate Drain	U	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$				
Safety Valve.....	V	$\frac{3}{4}$ x1	1x1 $\frac{1}{4}$	1 $\frac{1}{2}$ x2	1 $\frac{1}{2}$ x2	1 $\frac{1}{2}$ x2				
MINIMUM CLEARANCES ***										
To Combustibles Front.....		48	48	48	48	48				
To Combustibles Side.....		4	4	4	4	4				
To Combustibles Top.....		20	20	20	20	20				
To Combustibles Rear.....		20	20	20	20	20				
Door Swing Side		54/57	54/60	60/67	60/68	60/68				
Door Swing Rear		45/40	48/40	51/45	52/45	52/45				

NOTE:

- *Length Based On Standard Burner Firing Natural Gas/#2 fuel oil
- **150 PSIG RF Flange
- ***Check Local, State And Federal Codes.
- †Right Side Standard; Left Side Optional

SAMPLE RATINGS & CAPACITIES Sea Level To 2000'

UNIT MODEL NUMBER	4000	6000	8000	10000	12000
GROSS INPUT MBH	4000	6000	8000	10000	12000
OUTPUT MBH	3800	5700	7600	9500	11400
INPUT GAS (1,000 BTU) CU.FT.	4000	6000	8000	10000	12000
OIL (140,000 BTU) GPH	28.6	42.9	57.1	71.4	85.7
HEATING SURFACE SQ.FT.	453	567	742	874	1041
FURNACE VOLUME CU.FT.	23.77	37.79	56.86	65.70	72.93
WATER VOLUME FULL GAL.	423	480	618	696	876
WATER WEIGHT FULL LBS.	3516	3994	5139	5788	7289
SHIPPING WEIGHT LBS.	7600	8900	11000	12300	14500

Shipping Weights Based on Standard Units Firing Dual Fuel at <2000 FASL
Weights Could be Higher for High Elevation, Low NOx, Or Other Conditions

STANDARD FEATURES:

1. Units Designed And Fabricated To ASME Boiler And Pressure Vessel Code Requirements: Section IV:125 psig. Water. 210 F
2. 2" - 5.7# Density Mineral Wool Insulation With Fabric Backing
3. Removable painted steel jacket casing
4. 2 Lifting Eyes per vessel
5. Large Furnace Capable of firing #2 fuel oil
6. Hinged rear lid allowing easy furnace access
7. Gas train to either left or right side

STANDARD TRIM (BOILER)

1. ASME Safety Valve(s).
2. Low Water Cutoff - Probe Type
3. Operating (On/Off) Temperature Control.
4. High Limit Temperature Control (Manual Reset).
5. Firing Rate (Modulating) Temperature Control
6. Temperature Gauge - Remote Mounted
7. Pressure Gauge - Remote Mounted

All Dimensions Are Approximate And May Be Used For Layout.
SUPERIOR BOILER Reserves The Right To Change Dimensions Due To Product Revisions Or Requirements.