



BOILER CONNECTIONS

A.(1) STEAM OUTLET	8" 300# FLANGE
B.(4) LWCO	1" NPT
C.(3) SAFETY VALVE	2" NPT
D.(1) SAFETY VALVE	2" NPT
E.(2) BOILER BLOWDOWN	2" NPT
F.(1) SURFACE BLOWDOWN	1" NPT
G.(1) MAINWAY	12" x 16"
H.(6) HANDHOLE	3" x 4"
J.(1) CLEANOUT	12" ID
K.(2) FEEDWATER	2" NPT
L.(1) AUXILIARY	2" NPT
M.(1) LOW FIRE HOLD	1" NPT
N.(1) STACK TEMP	1/2" NPT
P.(1) SIGHT PORT	1" NPT
Q.(1)	
R.(1)	
S.(1)	

RATINGS & CAPACITIES

HORSEPOWER	1000*
DESIGN PRESSURE	150 PSIG STEAM
GROSS OUTPUT	33475 MBH*
STEAM (FROM & AT 212°F)	34000 LBS/H*
HEAT RELEASE (FURNACE ONLY)	126749 BTU/CONF*
RATED INPUT	41844 MBH*
HEATING SURFACE (ASME)	5031 SqFt
FURNACE HEATING SURFACE	246.38 SqFt
FURNACE VOLUME	221.18 CuFt
TURNAROUND VOLUME	105.46 CuFt
STEAMING VOLUME	157.77 CuFt
STEAM RELEASE AREA	149.84 SqFt
WATER CAPACITY:	
(FULL)	7.152 GAL • 59.495 Lbs
(NML)	5.987 GAL • 49.793 Lbs
SHIPPING WEIGHT:	63,000 Lbs

REV	DATE	REVISION	BY	REPRESENTATIVE
1				X
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				

NOTES

1. ALL CONTROLS MOUNTED AS PER SPECIFICATION SHEET.
2. SPECIFICATION SHEET TAKES PRIORITY OVER R & D SHEET.
3. BOILER DESIGN CODE ASME SECTION I.
4. BOILER INSULATED WITH 2" - 6# DENSITY MINERAL FIBER INSULATION WITH 22 GAUGE STEEL JACKET.
5. ALL DIMENSIONS ARE $\pm 1/2"$ UNLESS OTHERWISE NOTED.
6. HORSEPOWER & RELATED INFO BASED ON 5 SgF FIRING.



DESIGNED BY

DRAWN BY

DATE

SCALE

BOILER MODEL

6-X-5000-S150

1/80

X

THIS DRAWING IS THE PROPERTY OF SUPERIOR BOILER WORKS & SHALL NOT BE REPRODUCED IN PART OR IN WHOLE, & NONE OF ITS INFORMATION SHALL BE REVEALED WITHOUT PERMISSION OR TO THE DEPARTMENT OF THE ORDER. IT MUST BE RETURNED UPON REQUEST.