



BOILER CONNECTIONS

RATINGS & CAPACITIES

LTR DATE

REVISION

BY REPRESENTATIVE:

A.(1) STEAM OUTLET	8" 300# FLANGE
B.(4) LWCO	1" NPT
C.(3) SAFETY VALVE	2" NPT
D.() SAFETY VALVE	
E.(2) BOILER BLOWDOWN	2" NPT
F.(1) SAFETY BLOWDOWN	1" NPT
G.(1) MANWAY	12" x 16"
H.(5) HANDHOLE	3" x 4"
J.(1) CLEANOUT	18" PIPE
K.(2) FEEDWATER	2" NPT
L.(1) AUXILIARY/VENT	2" NPT
M.(1) LOW FIRE HOLD	1" NPT
N.(1) STACK TEMP	1/2" NPT
P.(1) SIGHT PORT	1" NPT
Q.()	
R.()	
S.()	

HORSEPOWER	800
DESIGN PRESSURE	150 PSIG STEAM
GROSS OUTPUT	26780 MBH
STEAM (FROM & AT 212°F)	27600 Lbs/Hr
HEAT RELEASE: (FURNACE ONLY)	173365 BTU/CuFt
RATED INPUT	33475 MBH
HEATING SURFACE (ASME)	4046 SqFt
FURNACE HEATING SURFACE	212.63 SqFt
FURNACE VOLUME	193.09 CuFt
TURNAROUND VOLUME	77.09 CuFt
STEAMING VOLUME	144.14 CuFt
STEAM RELEASE AREA	130.20 SqFt
WATER CAPACITY:	
(FULL)	6,268 Gal @ 52,138 Lbs
(NWL)	5,190 Gal @ 43,169 Lbs
SHIPPING WEIGHT:	55,800 Lbs

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" - 8# DENSITY MINERAL FIBER INSULATION WITH 22 GAUGE STEEL JACKET.
5. ALL DIMENSIONS ARE ±1/2" UNLESS OTHERWISE NOTED.
- *6. HORSEPOWER & RELATED INFO BASED ON 5 SqFt FIRING.

SUPERIOR BOILER

CHECKED BY

DRAWN BY

DATE

DATE

MOHICAN

BOILER MODEL

7-5-4000-S150

SCALE

DRAWING No

1/70

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