



BOILER JUNCTION BOX

BOILER CONNECTIONS

A.(1) STEAM OUTLET	6"-150# FLANGE
B.(4) LWCO	1" NPT
C.(1) SAFETY VALVE	2 1/2" NPT
D.(1) SAFETY VALVE	1 1/2" NPT
E.(1) BOILER BLOWDOWN	1 1/2" NPT
F.(1) SURFACE BLOWDOWN	1" NPT
G.(1) MANWAY	
H.(5) HANDHOLE	3" x 4"
J.(1) CLEANOUT	17"
K.(2) FEEDWATER	1 1/4" NPT
L.(1) AUXILIARY/VENT	1 1/2" NPT
M.(1) LOW FIRE HOLD	1/2" NPT
N.(1) STACK TEMP	1/2" NPT
P.(1) SIGHTPORT	1 PIPE
Q.(1)	
R.(1)	
S.(1)	

RATINGS & CAPACITIES

HORSEPOWER	100*
DESIGN PRESSURE	15 P.S.I. STEAM
GROSS OUTPUT	3348 MBH*
STEAM (FROM & AT 212°F)	3450 LB./HR.*
HEAT RELEASE: (FURNACE ONLY)	143,268 BTU/CU.FT.*
RATED INPUT	4184 MBH*
HEATING SURFACE (ASME)	511 SQ.FT.
FURNACE HEATING SURFACE	59.98 SQ.FT.
FURNACE VOLUME:	
FURNACE ONLY	29.21 CU.FT.
STEAMING VOLUME	16.13 CU.FT.
STEAM RELEASE AREA	34.40 SQ.FT.
WATER CAPACITY:	
(FULL)	1.052 @ 8,753 LBS.
(NWL)	.932 @ 7,750 LBS.
SHIPPING WEIGHT:	11,300 LBS.

LTR DATE

REVISION

BY REPRESENTATIVE

NOTES

- ALL CONTROLS MOUNTED AS PER SPECIFICATION SHEET.
- SPECIFICATION SHEET TAKES PRIORITY OVER R & D SHEET.
- REAR DOOR SWING:
 - MIN SIDE, MAX REAR
 - MAX SIDE, MIN REAR
- BOILER DESIGN CODE ASME SECTION IV.
- BOILER INSULATED WITH 2" - 8# DENSITY MINERAL FIBER INSULATION WITH 22 GAUGE STEEL JACKET.
- ALL DIMENSIONS ARE ±1/2" UNLESS OTHERWISE NOTED.
- *7. HORSEPOWER & RELATED INFO BASED ON 5 SqFt FIRING.

SUPERIOR
BOILER

MOHAWK

CHECKED BY

DATE

DRAWN BY

DATE

BOILER MODEL

4-5-508-S15-

SCALE

DRAWING NO

1/40

X

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