



BOILER CONNECTIONS

RATINGS & CAPACITIES

LTR DATE

REVISION

BY REPRESENTATIVE:

A.(1) STEAM OUTLET 6" 150# FLANGE
B.(4) LWCO 1" NPT
C.(1) SAFETY VALVE 2" NPT
D.(1) SAFETY VALVE
E.(1) BOILER BLOWDOWN 1 1/2" NPT
F.(2) SURFACE BLOWDOWN 1" NPT
G.(1) MANWAY 12" x 16"
H.(5) HANDHOLE 3" x 4"
J.(1) CLEANOUT 17" ID
K.(2) FEEDWATER 1 1/4" NPT
L.(1) AUXILIARY/VENT 1 1/2" NPT
M.(2) LOW FIRE HOLD 1" NPT
N.(2) STACK TEMP 1/2" NPT
P.(1) SIGHT PORT 1" NPT
Q.(1)
R.(1)
S.(1)

HORSEPOWER 80
DESIGN PRESSURE 15 PSIG STEAM
GROSS OUTPUT 2678 MBH
STEAM (FROM & AT 212°F) 2760 Lbs/hr
HEAT RELEASE (FURNACE ONLY) 145137 BTU/CuFt
RATED INPUT 3348 MBH
HEATING SURFACE (ASME) 414 SqFt
FURNACE HEATING SURFACE 47.30 SqFt
FURNACE VOLUME 23.06 CuFt
TURNAROUND VOLUME 18.64 CuFt
STEAMING VOLUME 17.43 CuFt
STEAM RELEASE AREA 35.49 SqFt
WATER CAPACITY:
(FULL) 1.025 Gal @ 8,523 Lbs
(NWL) 894 Gal @ 7,438 Lbs
SHIPPING WEIGHT: 9,590 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 IV.
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

7-5-400-S15

SCALE

DRAWING No

1/45

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