



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.(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 2" NPT
L.(1) AUXILIARY/VENT 2" NPT
M.(2) LOW FIRE HOLD 1" NPT
N.(2) STACK TEMP 1/2" NPT
P.(1) SIGHT PORT 1" NPT
Q.()
R.()
S.()

HORSEPOWER 700 HP*
DESIGN PRESSURE 150 PSIG STEAM
GROSS OUTPUT 23433 MBH*
STEAM (FROM & AT 212°F) 24150 LB/Hr*
HEAT RELEASE (FURNACE ONLY) 155024 BTU/CuFt*
RATED INPUT 28291 MBH*
HEATING SURFACE (ASME) 3542 SqFt
FURNACE HEATING SURFACE 208.02 SqFt
FURNACE VOLUME 188.94 CuFt
TURNAROUND VOLUME 69.57 CuFt
STEAMING VOLUME 125.86 CuFt
STEAM RELEASE AREA 119.85 SqFt
WATER CAPACITY:
(FULL) 5,081 Gal @ 42,258 Lbs
(NWL) 4,139 Gal @ 34,427 Lbs
SHIPPING WEIGHT: 47,300 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

DATE

DRAWN BY

DATE

MOHICAN BOILER MODEL
7-5-3500-S150

DRAWING No

SCALE

1/70

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