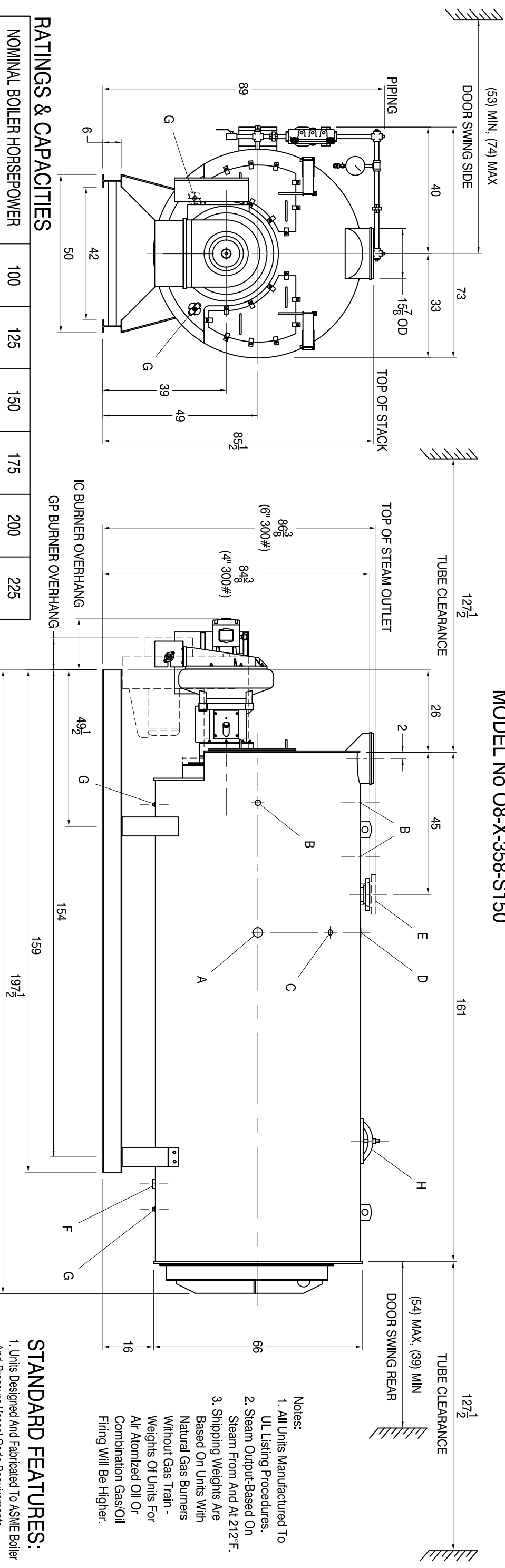


# OHIO SPECIAL

2 PASS  
DRY BACK

DIMENSIONAL DATA  
STEAM BOILER  
150 PSIG

MODEL No 08-X-358-S150



## RATINGS & CAPACITIES

NOMINAL BOILER HORSEPOWER	100	125	150	175	200	225
OUTPUT MBH	3348	4184	5021	5858	6695	7532
STEAM LBS/HR (#2)	3450	4312	5175	6037	6900	7762
INPUT GAS (1,000 BTU) FT <sup>3</sup>	4185	5230	6276	7322	8368	9415
OIL (140,000 BTU) GAL.	29.88	37.35	44.83	52.30	59.77	67.25
FURNACE VOLUME FT <sup>3</sup>	56.61	56.61	56.61	56.61	56.61	56.61
STEAM STORAGE VOLUME FT <sup>3</sup>	42.08	42.08	42.08	42.08	42.08	42.08
STEAM DISENGAGING AREA FT <sup>2</sup>	48.55	48.55	48.55	48.55	48.55	48.55
WATER CAPACITY NWL GAL.	771	771	771	771	771	771
WATER WEIGHT NWL LBS.	6415	6415	6415	6415	6415	6415
WATER CAPACITY FULL GAL.	1086	1086	1086	1086	1086	1086
WATER WEIGHT FULL LBS.	9033	9033	9033	9033	9033	9033
SHIPPING WEIGHT W/GP BURNER	11300	11800	12000	12300	12600	13400
SHIPPING WEIGHT W/C BURNER	12000	12000	12100	12300	12500	12500

## BURNER OVERHANG

NOMINAL BOILER HORSEPOWER	100	125	150	175	200	225
GORDON-PATT	-	3	10	11	16	16
INDUSTRIAL COMBUSTION	15	19	19	21	29	29

## DIMENSIONS

NOMINAL BOILER HORSEPOWER	100	125	150	175	200	225
CONNECTIONS:						
Feedwater-Right/Left	A	2	2	2	2	2
Low Water Cut Off Conn-Right/Left And Top	B	1	1	1	1	1
Surface Blowoff-Right	C	1	1	1	1	1
Auxiliary Conn-Top	D	2	2	2	2	2
Steam Nozzle	E	4*	4*	4*	6*	6*
Blowdown Rear	F	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
ACCESS OPENINGS:						
Handholes 3" x 4"	G	4	4	4	4	4
Manway 12" x 16"	H	1	1	1	1	1

\* 300# RF Flange

All Dimensions Are Approximate And May Be Used For Layout Only.  
SUPERIOR BOILER WORKS, Inc Reserves The Right To Change Dimensions  
Due To Product Revisions Or Job Requirements.

## STANDARD FEATURES:

- Units Designed And Fabricated To ASME Boiler And Pressure Vessel Code Requirements. Section IV-15 psig. Section I-150 psig.
- Insulated With 2" 8 Lb. Density Mineral Fiber Insulation.
- Jacket Material 22 Gauge Galvanized-Phosphate Coated Steel.
- Dawited Doors: Front/Rear-All Units.
- Rear Access Plug: 17" Dia.
- Handholes: 3" x 4" (4) All Units.
- Manway: 12" x 16" (1) All Units.
- Surface Blowdown Connection.

## STANDARD TRIM:

- ASME Safety Valve(s)
- Water Column W/Water Level Gauge Glass. Try Cocks (As Req'd). Low Water Cutoff/Pump Control, Blowdown Valve.
- Auxiliary Low Water Cutoff, Probe In Shell.
- Operating Pressure Control.
- High Limit Pressure Control (Manual Reset)
- Firing Rate Control (Hi-Lo-Off or Modulating Firing Only)
- Pressure Gauge W/Shutoff And Inspectors Gauge Cocks.
- Control Circuit Terminal Strips.

- Notes:
- All Units Manufactured To UL Listing Procedures.
  - Steam Output-Based On Steam From And At 212°F.
  - Shipping Weights Are Based On Units With Natural Gas Burners Without Gas Train - Weights Of Units For Air Atomized Oil Or Combination Gas/Oil Firing Will Be Higher.