



Portable Boiler Room 50 HP / 1,725 PPH

RH-50

Features:

- Boiler and Burner Package
- Control Systems and Panels
- Onboard Fuel Tank – 500 Gallons
- Fuel Handling Equipment
- Feedwater Tank and Pump
- Water Softener with Chemical Tank and Pump
- Maintenance Accessibility

General Information

Rental Category	Portable Boiler Room
Boiler Size	50 BHP
Max Output Capacity	1,725 PPH (0.8 T/H)
Max Pressure (MAWP)	150 PSIG (10.3 BARG)
Fuel(s)	Natural Gas / #2 Oil / Propane
Service	LPS / HPS / DHW / HHW
NOx Emission Rating	75 PPM

Connections

Steam Outlet	4" 150# FLG
HHW Supply	4" 150# FLG
HHW Return	4" 150# FLG
Stack Exhaust	20" Ø
City Water	2" NPT
Condensate Return	2" NPT
Natural Gas	2" NPT
#2 Oil Supply	1 3/4" NPT
#2 Oil Return	1 3/4" NPT
Blowdown Drain	3" 150# FLG
System Drain	1 1/4" NPT
Electrical	2" NPT

Output Specifications

Operating Range	5-140 PSIG (0.3 – 9.6 BARG)
Turndown (NG / #2 Oil)	6:1 / 4:1
Oil Tank Capacity	500 GAL (1,890 L)
Steam Quality	99.5%
Efficiency	80% – 82%
HHW Design Flow	165 GPM@20°FΔT (625 LPM@11°CΔT)
DHW Design Flow	30 GPM@100°FΔT (113 LPM@55°CΔT)

Dimensions

Overall Length	23' 05" (7.1 M)
Overall Width	08' (2.4 M)
Overall Height	12' 10" (3.9 M)
Shipping Weight	26,100 LBS (11,840 KGS)
Operating Weight	34,600 LBS (15,700 KGS)

Input Specifications

City Water	8 GPM@50 PSIG (28.4 LPM@3.5 BARG)
Electricity	240 V / 1 Ph / 60 Hz @ 90 A (FLA)
Fuel Input (NG / #2 Oil)	2.1 MMBTU/hr (615 kW)
NG Flow	350 – 2,100 CFH (9.9 – 60 m³/hr)
NG Pressure	5 - 14 PSIG (1.3 – 3.5 kPa)
#2 Oil Flow	3.8 – 15 GPH (14.4 – 56.8 LPH)
#2 Oil Pressure	Use Onboard Oil Pump
Pilot	Propane Tank Included

Last updated on: 17-Dec-24

HPS: High Pressure Steam LPS: Low Pressure Steam HHW: Hydronic Hot Water DHW: Domestic Hot Water



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