



### MAIN FEATURES:

- Boiler and Burner Package
- Control Systems and Panels
- Modulating Feedwater Control Valve
- Feedwater Economizer and Associated Piping
- Stack and FGR Piping

GENERAL INFORMATION	
Brand	Powerhouse
Rental Category	Trailer Mounted
Boiler Type	Watertube
Boiler Size	1,449 BHP (14.2 MW)
Max Output Capacity	50,000 PPH (22.68 T/H)
Max Pressure (Steam/Water)	399 PSI (27.51 Bar)
Fuel(s)	NG / #2 Oil
Service	HPS / HW
NOx Emission Rating	30 ppm

DIMENSIONS	
Overall Length	53' 00" (16.15 m)
Overall Width	10' 07" (3.23 m)
Overall Height	12' 11" (3.9 m)
Shipping Weight	98,000 LBS (44,444 kgs)
Operating Weight	117,000 LBS (53,060 kgs)

OUTPUT SPECIFICATIONS	
Operating Range	80 – 385 PSIG (5.5 - 26.5 BARG)
Turndown (NG / #2 Oil)	10:1 / 8:1
Steam Quality	99.50%
Efficiency (NG / #2 Oil)	80% - 82% / 85% - 86%
HW Design Flow	2,000 GPM @ 50°F ΔT (7570 LPM @ 27.8°C ΔT)

INPUT SPECIFICATIONS	
Remote Feed Water	110 GPM @ 415 PSIG (416 LPM @ 28.6 BARG)
Electricity	480 / 3 / 60 @ 75 A
Fuel Input (NG/ #2 Oil)	63 / 61 MMBTU / HR (18.46 / 17.88 MW)
NG Flow	6,330 – 63,330 CFH (2,987 – 29,874 LPM)
NG Pressure	10 – 25 PSIG (0.69 - 1.72 BARG)
#2 Oil Flow	55.36 – 442.9 GPH (210 – 1,676 LPH)
#2 Oil Pressure	150 PSIG (10.34 Bar)
Pilot	1,200 SCFH @ 10 PSIG (566 LPM @ 0.7 BARG)
Instrument Air	10 SCFM @ 90 PSIG (283 LPM @ 6.2 BARG)
Air Atomization	122 SCFM @ 100 PSIG (3,455 LPM @ 6.9 BARG)
Steam Atomization	750 PPH @ 150 PSIG (0.34 T/H @ 10.3 BARG)

CONNECTIONS	
Steam Outlet	8" 300# FLG
HHW Supply / Return	8" 300# FLG
Stack Exhaust	34" Ø
Remote Feed Water	3" 300# FLG
Natural Gas	3" 150# FLG
Fuel Oil Supply/Return	1.25" / 0.375" NPT
Bottom Blowdown	1.5" 300# FLG
System Drain	1.5" 300# FLG
Electrical	PANEL
Steam Atomization	1.25" NPT