



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	2,174 BHP (21.3 MW)
Max Output Capacity	75,000 PPH (34 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	14' 04" (4.4 M)
Shipping Weight	105,000 LBS (47,619 KGS)
Operating Weight	122,000 LBS (55,328 KGS)

OUTPUT SPECIFICATIONS	
Operating Range	100 – 385 PSIG (6.9 - 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	3,000 GPM @ 50°F ΔT (11355 LPM @ 27.8°C ΔT)

INPUT SPECIFICATIONS	
Remote Feed Water	165 GPM @ 415 PSIG (625 LPM @ 28.6 BARG)
Electricity	480 / 3 / 60 @ 125 A
Fuel Input (NG/#2 Oil)	94.7 / 91.3 MMBTU / HR (27.75 / 26.76 MW)
NG Flow	9,470 – 94,700 CFH (4,470 – 44,669 LPM)
NG Pressure	10 – 25 PSIG (0.69 - 1.72 BARG)
#2 Oil Flow	82.8 – 662.8 GPH (313 – 2,510 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	140 SCFM @ 100 PSIG (3,964 LPM @ 6.9 BARG)
Steam Atomization	750 PPH @ 120-200 PSIG (0.34 T/H @ 8.3-13.8 BARG)

CONNECTIONS	
Steam Outlet	8" 300# FLG
HHW Supply / Return	8" 300# FLG
Stack Exhaust	42" Ø
Remote Feed Water	3" 300# FLG
Natural Gas	4" 150# FLG
Fuel Oil Supply/Return	1.25" / 0.5" NPT
Bottom Blowdown	1.5" 300# FLG
System Drain	1.5" 300# FLG
Electrical	PANEL
Steam Atomization	1.25" NPT