

PRODUCT DATASHEET

BB-500

BOILER IN A BOX



MAIN FEATURES:

- Boiler and Burner Package
- Control Systems and Panels
- Fuel Handling Equipment
- Modulating Feedwater Control Valve
- Blowdown Separator
- Maintenance Accessibility

GENERAL INFORMATION	
Rental Category	Boiler in a Box
Boiler Size	500 BHP (4.9 MW)
Max Output Capacity	17,250 PPH (7.82 T/H)
Max Pressure (Steam/Water)	200 / 250 PSIG (13.8 / 17.2 BARG)
Fuel(s)	Natural Gas / #2 Oil / Propane
Service	HPS
NOx Emission Rating	30 PPM

DIMENSIONS	
Overall Length	40' 00" (12.2 M)
Overall Width	8' (2.4 M)
Overall Height	13' 06" (4.1 M)
Shipping Weight	53,700 LBS (24,357 KGS)
Operating Weight	65,600 LBS (29,755 KGS)

OUTPUT SPECIFICATIONS	
Operating Range (STM/WTR)	80-185 / 80-235 PSIG (5.5-12.8/5.5-16.2 BARG)
Turndown (NG / #2 Oil)	10:1 / 8:1
Steam Quality	99.50%
Efficiency (NG / #2 Oil)	80% - 83% / 85% - 87%

INPUT SPECIFICATIONS	
City Water	10 GPM @ 50 PSIG (38 LPM @ 3.5 BARG)
Remote Feed Water	60 GPM @ 265 PSIG (227 LPM @ 18.3 BARG)
Electricity	480 V / 3 PH / 60 HZ @ 65 A
Fuel Input (NG / #2 Oil)	19.9 MMBTU/HR (5.83 MW)
NG Flow	1,990 – 19,900 CFH (939 – 9,390 LPM)
NG Pressure	3 - 10 PSIG (0.2 – 0.69 BARG)
#2 Oil Flow	17.8 – 142.1 GPH (67.3 – 537.8 LPH)
#2 Oil Pressure	Use Onboard Oil Pump
Pilot	Propane Tank Included
Instrument Air (included)	10 CFH @ 100 PSIG (4.72 LPM @ 6.9 BARG)

CONNECTIONS	
Steam Outlet	6" 300# FLG
Stack Exhaust	24" Ø
City Water	2" NPT
Remote Feed Water	2" NPT
Natural Gas	2.5" NPT
#2 Oil Supply	0.75" NPT
#2 Oil Return	0.75" NPT
Blowdown Drain	6" 150 FLG
System Drain	2" NPT
Electrical	1.5" NPT

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