



# Boiler in a Box

## 500 HP / 17,250 PPH

**BB-500**

### Features:

- Boiler and Burner Package
- Control Systems and Panels
- Fuel Handling Equipment
- Modulating Feedwater Control Valve
- Blowdown Separator
- Maintenance Accessibility
- **Low NOx (30 PPM)**

### General Information

Rental Category	Boiler in a Box
Boiler Size	500 BHP
Max Output Capacity	17,250 PPH (7.8 T/H)
Max Pressure (MAWP)	200 PSIG (13.8 BARG)
Fuel(s)	Natural Gas / #2 Oil / Propane
Service	HPS
NOx Emission Rating	30 PPM

### Connections

Steam Outlet	6" 300# FLG
Stack Exhaust	24" Ø
City Water	2" NPT
Remote Feed Water	2" NPT
Natural Gas	2 ½" NPT
#2 Oil Supply	¾" NPT
#2 Oil Return	¾" NPT
Blowdown Drain	6" 150# FLG
System Drain	2" NPT
Electrical	1 ½" NPT

### Output Specifications

Operating Range	80 – 185 PSIG (5.5 – 12.8 BARG)
Turndown (NG / #2 Oil)	10:1 / 8:1
Steam Quality	99.5%
Efficiency (NG / #2 Oil)	80% - 83% / 85% - 87%

### Dimensions

Overall Length	40' 00" (12.2 M)
Overall Width	8' (2.4 M)
Overall Height	13' 06" (4.1 M)
Shipping Weight	58,700 LBS (26,625 KGS)
Operating Weight	70,600 LBS (32,020 KGS)

### 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 (5.8 MW)
NG Flow	1,990 – 19,900 CFH (56 – 563 m³/hr)
NG Pressure	3 – 10 PSIG (0.2 – 0.7 BARG)
#2 Oil Flow	17.8 – 142 GPH (67.3 – 534 LPH)
#2 Oil Pressure	Use Onboard Oil Pump
Pilot	Propane Tank Included
Instrument Air (incl.)	10 CFH@100 PSIG (0.3 m³/hr@6.9 BARG)

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



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Rental  
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### Atlas Copco Rental

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