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## **180,000 pph Low NOx, 500 psig Skid-Mounted Boiler**

Nationwide Boiler's low NOx 180,000 pph, 400 psig design (150-360 psig operating), saturated steam, skid-mounted package watertube Babcock & Wilcox boiler is set to burn natural gas or #2 oil. It is piped and wired and includes the following components:

- Low NOx Burner
- EconoStak Economizer
- Burner Management System
- Parallel Positioning Combustion Controls
- Forced Draft Fan & Motor
- Complete Fuel Train & Pilot Ignition System
- Water Column & Site Glass
- Steam Pressure Gauge
- Low-water Cutoffs
- Safety Valves
- Feedwater Stop & Check Valves
- Blowdown Valves
- Continuous Blowdown Metering Valve
- Chemical Feed Valve
- Steam Non-return Valve (loose)
- FGR Ductwork (loose)
- Stack (loose)
- NEMA 4 Electrical Enclosures
- Low NOx CataStak™ SCR System (optional)
- Weatherproofed (except for freezing)
- Meets FM, NFPA 85 & IRI Insurance Standards



### **Fuel Consumption:**

Natural Gas: 217,000 SCFH @ 18 psi reg.  
 #2 Oil: 1530 GPH

### **Connection Sizes:**

Main Steam: 12"-300# FLG  
 Natural Gas: 6"-150# FLG  
 #2 Oil Supply: 1½" NPT  
 Feedwater: 4"-300# FLG  
 Bottom Blowdown: 1½"-300# FLG  
 Continuous Blowdown: 1" NPT  
 Chemical Feed: ½" NPT  
 Atomizing Air / Steam: 1½" NPT / 1½" NPT  
 Instrument Air: ½" NPT  
 Water Column Drain: 1½" NPT

### **Electrical Power Service Requirements:**

4160 / 2300 VAC, 3 ph, 60 hz, 400 HP Standard\*

\* Optional Voltage 50Hz Available

### **Boiler Dimensions & Weights:**

Length / Width / Height: 56' 6" / 44' 6" / 16' 9"  
 Shipping Weight: 159,000 lbs  
 Operating Weight: 171,500 lbs

### **Emissions Data (natural gas):**

NOx (corr. to 3% O<sub>2</sub>): 30 ppm  
 CO (corr. to 3% O<sub>2</sub>): 50 ppm

Ask About Our **Green Solutions**

**CataStak™**  
 Ultra Low NOx Solutions

**EconoStak™**  
 Energy Saving Solutions

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*True Nationwide Coverage & Beyond. Representatives Located Worldwide.*

\* Actual Equipment may differ from listed specification. Please consult Nationwide Boiler Inc. for additional details.