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82,500 pph Low NOx, 500 psig Skid-Mounted Boiler

Nationwide Boiler's low NOx 82,500 pph, 500 psig design, saturated steam, skid-mounted package watertube Babcock & Wilcox boiler is set to burn natural gas or #2 oil. It is fully piped and wired and includes the following components:

- Low NOx Burner
- Burner Management System
- Parallel Positioning Combustion Controls
- Forced Draft Fan, Motor & Starter
- 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
- Single Element Feedwater Regulator with Pre-piped 3-Valve Bypass
- Steam Non-return Valve (loose)
- FGR Ductwork (loose)
- Stack (loose)
- NEMA 4 Electrical Enclosures
- EconoStak Economizer (optional)
- Low NOx CataStak™ SCR System (optional)
- Weatherproofed (except for freezing)
- Meets FM, NFPA 85 & IRI Insurance Standards
- Operating Manuals



Fuel Consumption:

Natural Gas: 99,830 SCFH @ 15 psi regulated
 #2 Oil: 697 GPH

Connection Sizes:

Main Steam: 8"-300# FLG
 Natural Gas: 4"-150# FLG
 #2 Oil Supply / Return: 1¼" NPT / ½" NPT
 Feedwater: 3"-300# FLG
 Bottom Blowdown: 1½"-600# FLG
 Continuous Blowdown: 1" NPT
 Chemical Feed: ½" NPT
 Atomizing Air: 1¼" NPT
 Instrument Air: ¾" NPT
 Water Column Drain: 1¼" NPT

Electrical Power Service Requirements:

480 VAC, 3 ph, 60 hz, 200 amp

Boiler Dimensions & Weights:

Length / Width / Height: 33' 10" / 11' 10" / 13' 8"
 Shipping Weight: 101,200 lbs
 Operating Weight: 131,500 lbs

Emissions Data (natural gas):

NOx (corr. to 3% O₂): 25 ppm
 CO (corr. to 3% O₂): 50 ppm

Ask About Our **Green Solutions**



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