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40,000 pph Low NOx, 700 psig Trailer-Mounted Boiler

Nationwide Boiler's low NOx 40,000 pph, 700 psig design, saturated steam, trailer-mounted package Babcock & Wilcox watertube 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
- Single-point Positioning Combustion Controls
- Forced Draft Fan, Motor & Starter
- Complete Fuel Train & Pilot Ignition System
- #2 Fuel Oil Pump
- 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
- FGR Ductwork
- 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: 54,600 SCFH @ 15 psi regulated
 #2 Oil: 382 GPH

Connection Sizes:

Main Steam: 6"-600# FLG
 Natural Gas: 3"-150# FLG
 #2 Oil Supply / Return: 2"-150# FLG / 1"-150# FLG
 Feedwater: 2"-600# FLG
 Bottom Blowdown: 1½"-600# FLG
 Continuous Blowdown: 1" NPT
 Chemical Feed: ½" NPT
 Atomizing Air / Steam: ¾" NPT / ¾" NPT
 Instrument Air: ¾" NPT
 Water Column Drain: ¾" NPT

Electrical Power Service Requirements:

460 VAC, 3 ph, 60 hz, 100 AMPS

Dimensions & Weights:

Length / Width / Height: 51' 10" / 10' 0" / 14' 0"
 Shipping Weight: 80,290 lbs
 Operating Weight: 95,640 lbs

Emissions Data (natural gas):

NOx (corr. to 3% O₂): 30 ppm
 CO (corr. to 3% O₂): 50 ppm

Ask About Our **Green Solutions**

CataStak™
 Ultra Low NOx Solutions

EconoStak™
 Energy Saving Solutions

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