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800 hp Low NOx, 250 psig Skid-Mounted Boiler

Nationwide Boiler's low NOx, 800 hp (27,600 lbs/hr) skid-mounted Cleaver-Brooks firetube boiler, is designed at 250 psig pressure, firing natural gas or #2 oil, manufactured in 2005. It is fully piped and wired and includes the following components:

- Low NOx Burner
- Forced Draft Fan, Motor & Starter
- Complete Gas Train
- Oil System with Pump & Air Compressor
- Steam Pressure Gauge
- Dual Low Water Cutoffs
- Water Column & Site Glass
- Two (2) Safety Valves Set at 250 psig
- Feedwater Stop and Check Valves
- Bottom & Control Blowdown Valves
- Continuous Blowdown Metering Valve
- Control Panel w/ Combustion Control
- High/low Water and Flame Failure Alarm
- Pilot System w/ Electric Ignition
- Main Steam Non-return Valve (loose)
- Stack (loose)
- NEMA 3 Disconnect (unfused/mounted)
- Meets FM / IRI / NFPA 85
- Seismic Zone 3 & 4 Design
- EconoStak Economizer (optional)
- Low NOx CataStak™ SCR System (optional)
- Operating Manuals



Fuel Consumption:

Natural Gas: 33,480 SCFH @ 10-25 psig
 #2 Oil: 240 GPH

Connection Sizes:

Main Steam: 8"-300# RF FLG
 Natural Gas: 4"-150# FF FLG
 #2 Oil Supply / Return: 1¼" NPT / ¾" NPT
 Feedwater: 2" NPT
 Bottom Blowdown: 2" NPT
 Continuous Blowdown: ¾" NPT
 Flue Outlet: 27" OD FLG

Electrical Power Service Requirements:

480 VAC, 3 ph, 60 hz, 125 AMPS

Boiler Dimensions & Weights:

Length: 25' 3"
 Width: 9' 5"
 Height: 11' 2"
 Shipping Weight: 60,500 lbs
 Operating Weight: 83,500 lbs

Emissions Data (natural gas):

NOx (corr. to 3% O₂): 30 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.