



Nationwide™
Boiler Incorporated

Rentals • Sales • Service
24/7 • (800) 227-1966

800 hp Low NOx, 250 psig Trailer Enclosed Boiler

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

- Low NOx Burner with Induced Flue Gas Recirculation (IFGR) for 30 PPM NOx
- 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 Relief Valves Set at 250 psig
- Feedwater Stop and Check Valves
- Bottom & Control Blowdown Valves
- Continuous Blowdown Metering Valve
- Control Panel w/ Combustion Safeguard Control
- High/Low Water and Flame Failure Alarm
- Pilot System w/ Electric Ignition
- Main Steam Non-return Valve (loose)
- Stack (shipped loose)
- NEMA 3 Disconnect (unfused/mounted)
- Meets FM / IRI / NFPA 85
- Low NOx CataStak™ SCR System (optional)
- Service and Operating Manuals
- Boiler Includes All Canada CRN and Seismic Zone 3 & 4 Design



Fuel Consumption:

Natural Gas: 33,500 SCFH @ 5 psig
#2 Oil: 240 GPH

Connection Sizes:

Main Steam: 8"-300# FLG
Natural Gas: 3"-150# FLG
#2 Oil Supply / Return: ¾" NPT / ¾" NPT
Feedwater: 2½" NPT
Bottom Blowdown: 2" NPT
Continuous Blowdown: 1" NPT
Chemical Feed: 1" NPT

Electrical Power Service Requirements:

480 VAC, 3 ph, 60 hz, 125 AMPS

Boiler Dimensions & Weights:

Length: 40' 8"
Width: 8' 6"
Height: 13' 6"
Shipping Weight: 66,000 lbs
Operating Weight: 81,300 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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True Nationwide Coverage & Beyond. Representatives Located Worldwide.