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500 hp Low NOx, 250 psig Trailer Enclosed Boiler

Nationwide Boiler's low NOx, 500 hp (17,250 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, 30 hp Motor & Starter
- Complete Gas Train
- Oil System with Pump & Air Compressor (loose)
- 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 (loose)
- NEMA 3 Disconnect (unfused/mounted)
- Meets FM / IRI / NFPA 85
- EconoStak Economizer (optional)
- 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: 19,900 SCFH @ 5 psig
 #2 Oil: 150 GPH

Connection Sizes:

Main Steam: 8"-300# FLG
 Natural Gas: 3"-150# FLG
 #2 Oil Supply / Return: 3/4" NPT / 3/4" NPT
 Feedwater: 2 1/2" NPT
 Bottom Blowdown: 2" NPT
 Continuous Blowdown: 1" NPT
 Chemical Feed: 1" NPT

Electrical Power Service Requirements:

480 VAC, 3 ph, 60 hz, 50 AMPS

Boiler Dimensions & Weights:

Length: 40' 8"
 Width: 8' 6"
 Height: 13' 6"
 Shipping Weight: 41,600 lbs
 Operating Weight: 54,300 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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