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## 100,000 pph 399 psig Design Trailer-Mounted Boiler

Nationwide Boiler's 100,000 pph, 399 psig design (100-365 psig operating), saturated steam, trailer-mounted package watertube boiler is set to burn natural gas (#2 oil optional). It is fully piped and wired and includes the following components:

- Low NOx Burner
- EconoStak Economizer
- NEMA 4X Panel with Honeywell RM7800, SILIII Rated Burner Management System
- Allen-Bradley PLC Touchscreen Combustion Controls
- Forced Draft Fan, Motor & Soft Starter
- Water Column & Site Glass
- Steam Pressure Gauge
- Low-water Cutoffs
- Safety Valves (loose)
- Feedwater Stop & Check Valves
- Blowdown Valves
- Continuous Blowdown Metering Valve
- Chemical Feed Valve
- Fisher Feedwater Control Valve with 3-Valve Bypass
- Steam Non-return Valve (loose)
- FGR Ductwork (loose)
- Stack (loose)
- NEMA 4 Electrical Enclosures
- Separate Fuel Oil Skid for #2 Oil Firing (optional)
- Low NOx CataStak™ SCR System (optional)
- Weatherproofed (except for freezing)
- Meets FM, NFPA 85 & IRI Insurance Standards
- Electronic Operating Manuals



***This boiler can be de-rated for improved emissions performance!***

### Fuel Consumption:

Natural Gas: 120,000 SCFH @ 15-25 psi reg.  
 #2 Oil (optional): 827.6 GPH

### Connection Sizes:

Main Steam: 8"-300# FLG  
 Natural Gas: 4"-150# FLG  
 #2 Oil Supply: 1"-150# FLG  
 Feedwater: 3"-300# FLG  
 Bottom Blowdown: 1½"-300# FLG  
 Atomizing Steam: 1"-150# FLG  
 Instrument Air: ½" NPT

### Electrical Power Service Requirements:

480 VAC, 3 ph, 60 hz, 170 AMPS

### Dimensions & Weights:

Length / Width / Height: 59' 1" / 11' 0" / 27' 6"  
 Shipping Weight: 129,500 lbs  
 Operating Weight: 156,836 lbs (with economizer)

### Emissions Data (natural gas):

NOx (corr. to 3% O<sub>2</sub>): 125 ppm  
 CO (corr. to 3% O<sub>2</sub>): 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.

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