

United Engines

Buck's Engines

8.0L V-8 Industrial Engine

Buck's takes its expertise in designing outstanding industrial power units and leverages it to make sophisticated yet extremely durable industrial engines.

Applications

**Industrial, Agriculture
Construction & Oilfield**

- **Pumps** – Irrigation, Industrial, Hydraulic Sludge and Trash
- **Compressors** – Natural Gas and Air
- **Generators** – Prime Power, Standby and Co-Gen
- **Industrial Drives** – Forklifts, Manlifts, Street Sweepers, Wood Chippers, Chillers and Fans
- **Oil and Gas Production** – Gas Compressors, Pump Jacks, Vapor Recovery
- **Wind Machines**
- **Numerous Re-Power & Custom Applications**

Available Factory Installed Options

- Natural Gas and LPG Fuel Systems
- Ignition Systems
- Belt and Pulley Accessory Drives
- Starters and Alternators
- Exhaust Headers and Manifolds
- Mufflers
- SAE 3 Flywheel Housing and Direct Drives
- PTOs: Side Load and In-Line
- Instrument Panel w/ Gauges and Safety Shutdowns
- Electronic Governor
- Engine Mounting Frames and Enclosures
- Three Way Catalyst

Buck's 8.0L 8 Cylinder – 488 Cubic Inches



Features & Benefits

- Three way catalyst and closed loop fuel system for EPA/CARB emission certified engines
- Designed for propane and natural gas fuel
- High-torque camshaft with hydraulic roller lifters, optimized for low-speed operations on gaseous fuel to achieve increased torque and power for industrial applications
- Includes integral three-rib pulley to accommodate serpentine accessory drive hardware
- Forged iron crankshaft for increased strength and durability
- Cast aluminum intake manifold is standard on the engine
- Robust head and valve design for gaseous fuel, comprised of stainless steel intake and Inconel® exhaust valves with Stellite® valve seats and 30° valve angle for maximum life and wear protection
- High performance T6 heat treated Hypereutectic 390 aluminum pistons provide increased heat dissipation, while reduced scuffing and thermal expansion allows for tighter clearances
- Common GM Powertrain industrial engine rear face for easy housing installation

**United Engines**
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4532 Enterprise Drive
Oklahoma City, OK 73128
405-601-1000

515 North I-27
Lubbock, TX 79403
806-762-0455

4452 Canyon Dr.
Amarillo, TX 79109
806-355-8228

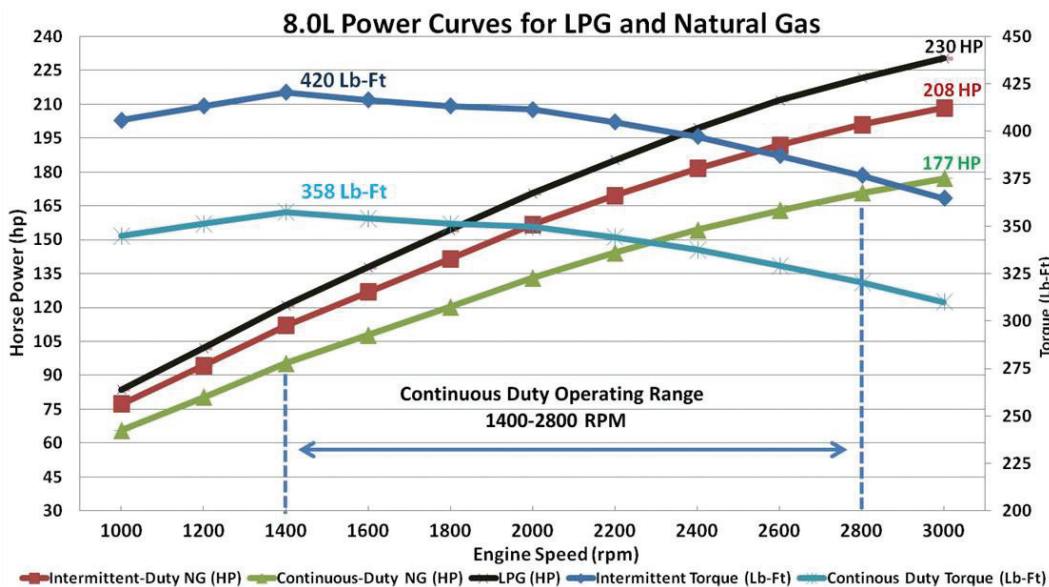
Buck's Engines combines over 50 years of engine application experience with General Motors' expertise in designing outstanding Vortec engines and utilizes this partnership to manufacture extremely durable industrial engines.

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8.0L V-8 Industrial Engine

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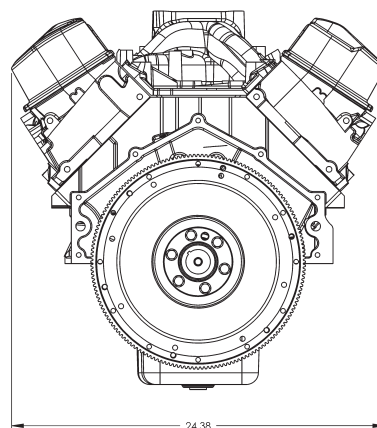
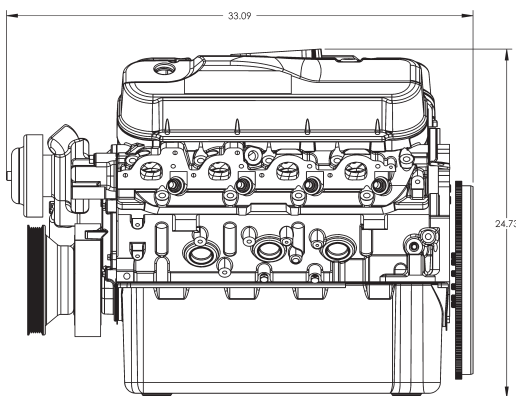


Power and torque values provided by Buck's Engines per SAE1349. Actual power levels may vary depending on fuel selection and quality, calibration, application, altitude and ambient air temperatures.

CONTINUOUS IRRIGATION BRAKE HORSEPOWER

GEARHEAD	1x1	6x5	5x4	4x3	3x2
ENGINE RPM	1760	2112	2200	2346	2640
BHP	120	150	155	164	172

RATED @ 3200 FT ELEVATION WITH NATURAL GAS FUEL



Information may vary by model and application. All specifications, options and product availability based upon the latest information available at time of publication. To ensure our customers have access to the highest quality products available we reserve the right to make product improvements and changes anytime without prior notice. ©2011 10/11

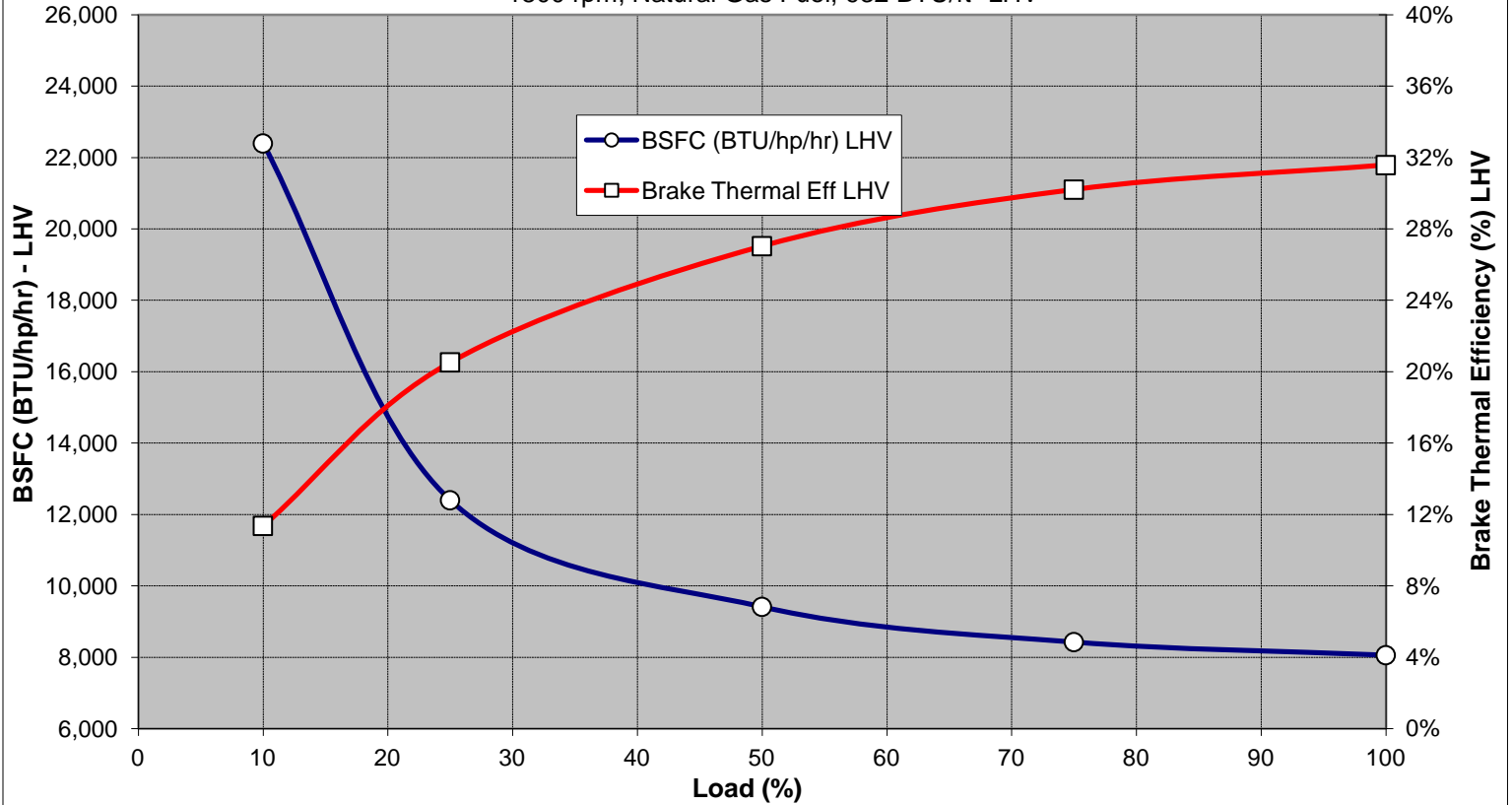
Specifications and Materials

- **Type:** 8.0L V8
- **Displacement:** 488 CID (7994 cc)
- **Compression Ratio:** 9.5:1
- **Valve Configuration:** Overhead/Pushrod Actuated
- **Valve Lifters:** Hydraulic Roller
- **Bore x Stroke:** 4.276 x 4.25 in (108.61 x 107.95 mm)
- **Main Bearing Caps:** 4-Bolt
- **Firing Order:** 1-8-7-2-6-5-4-3
- **Oil Pan Capacity:** 8 qt with oil filter
- **Fuel Type:** Natural Gas or Propane
- **Engine Rotation:** Clockwise (from the front)
- **Paint Protection:** Component Painted
- **Shipping Weight:** 727 lb (330 kg)
- **Spark Plugs:** Platinum Tip (1.5 mm gap)
- **Block:** Cast Iron
- **Cylinder Head:** Cast Iron
- **Intake Manifold:** Cast Aluminum
- **Final Assembly:** Oklahoma City, OK USA

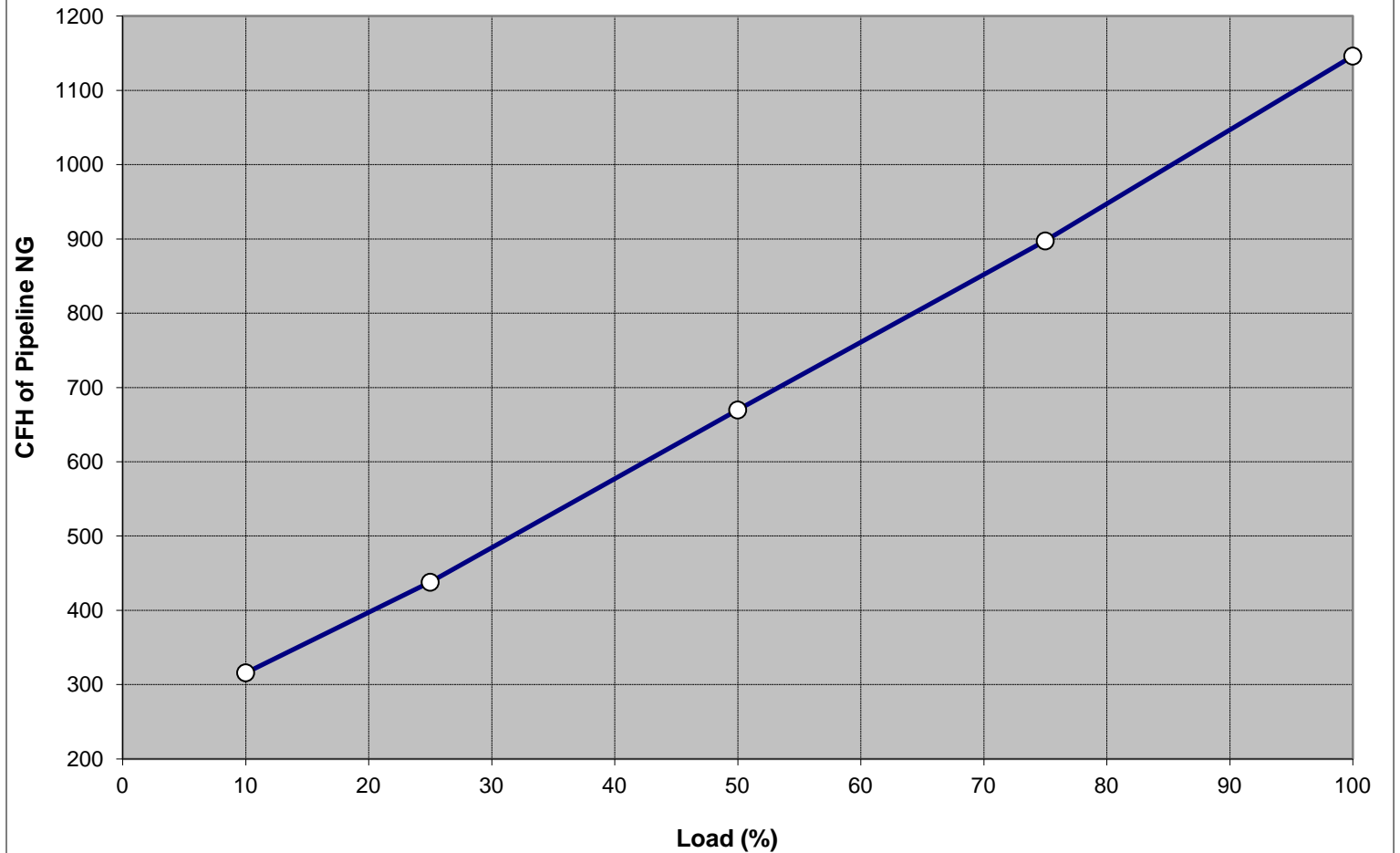
Manufactured with US, North American and Global Sourced Content

Bucks 8L Brake Specific Fuel Consumption and Efficiency

1800 rpm, Natural Gas Fuel, 932 BTU/ft³ LHV

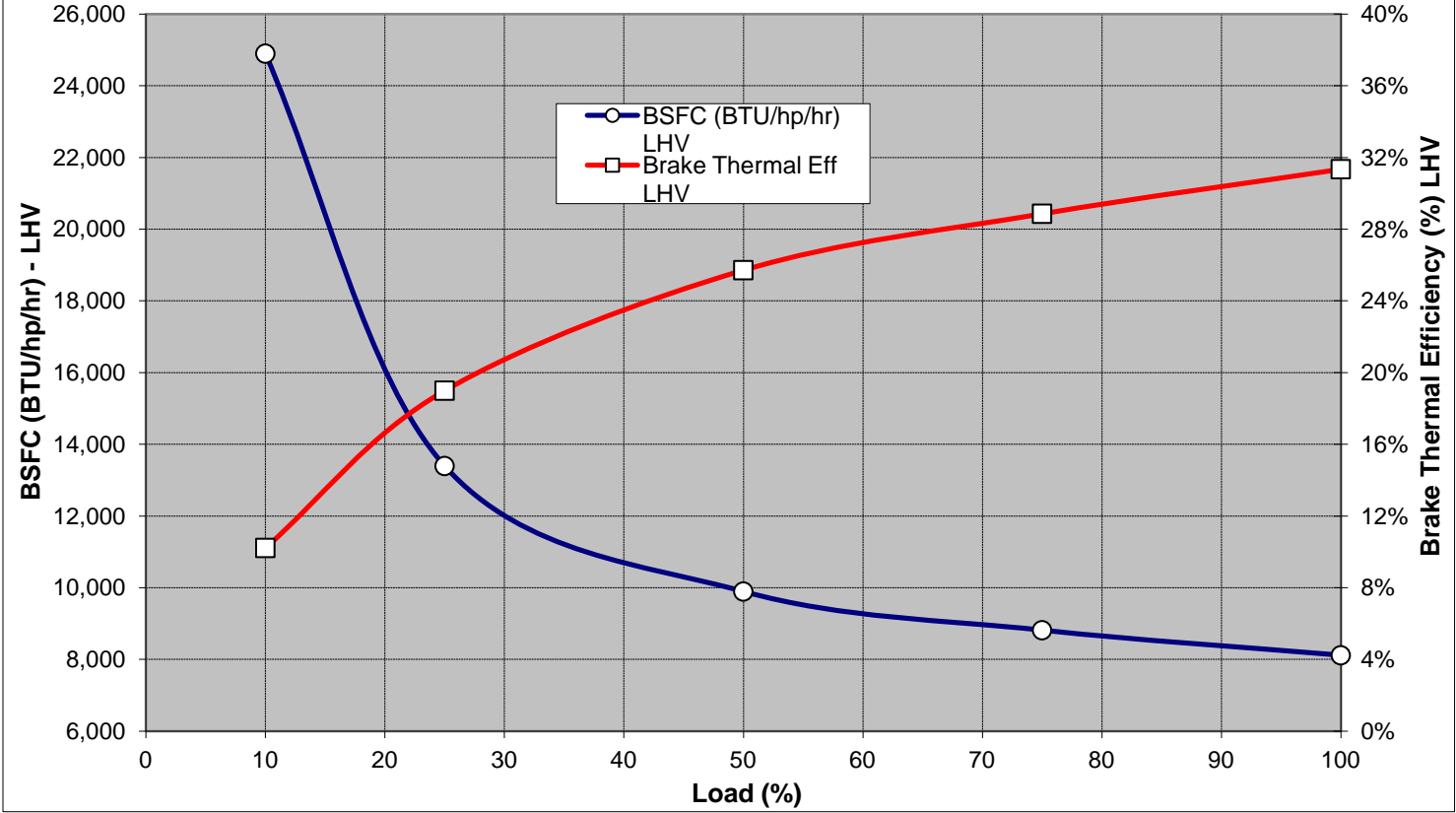


Bucks 8L Pipeline NG Fuel Consumption at 1800 rpm

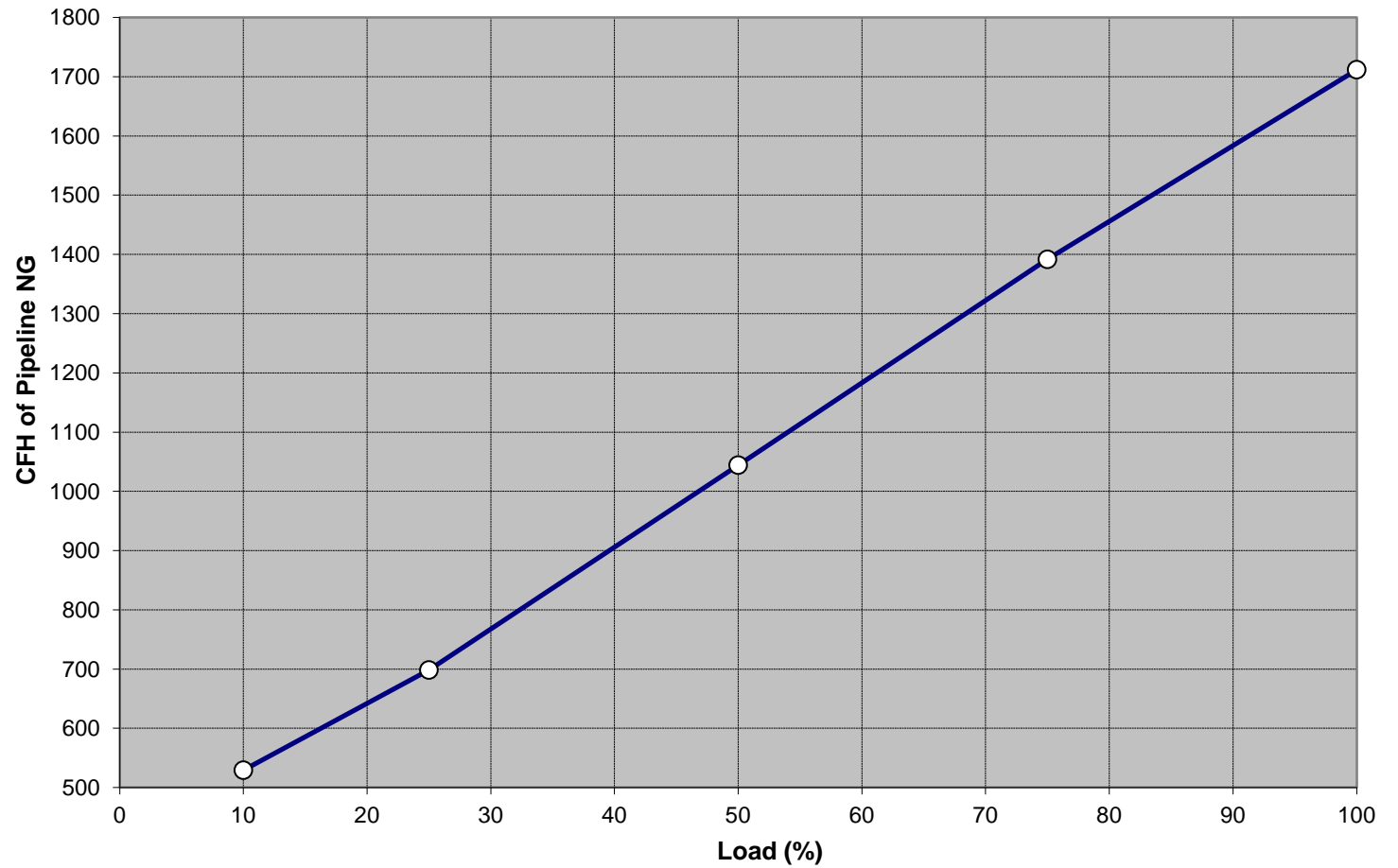


Bucks 8L Brake Specific Fuel Consumption and Efficiency

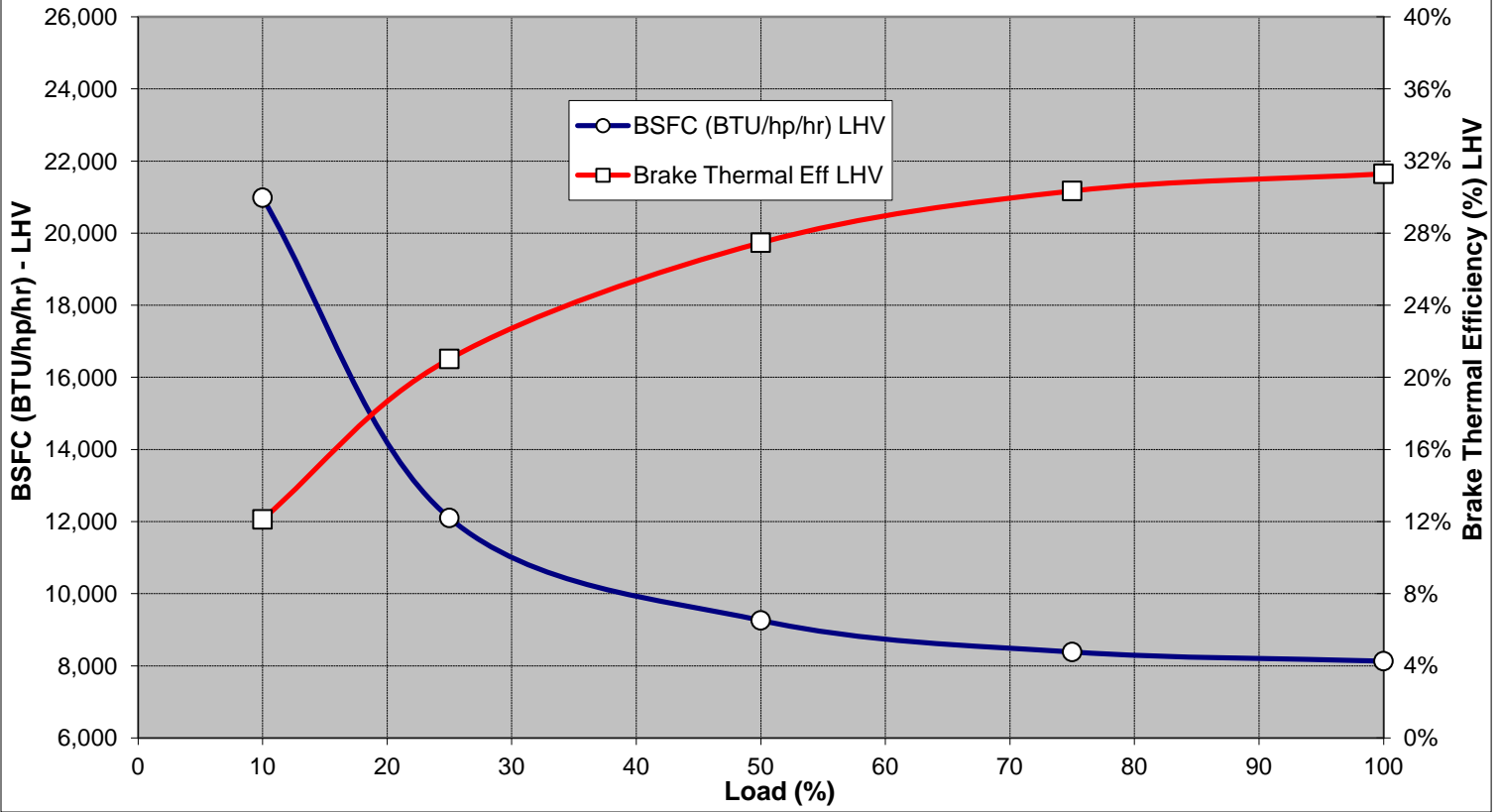
3000 rpm, Natural Gas Fuel, 932 BTU/ft³ LHV



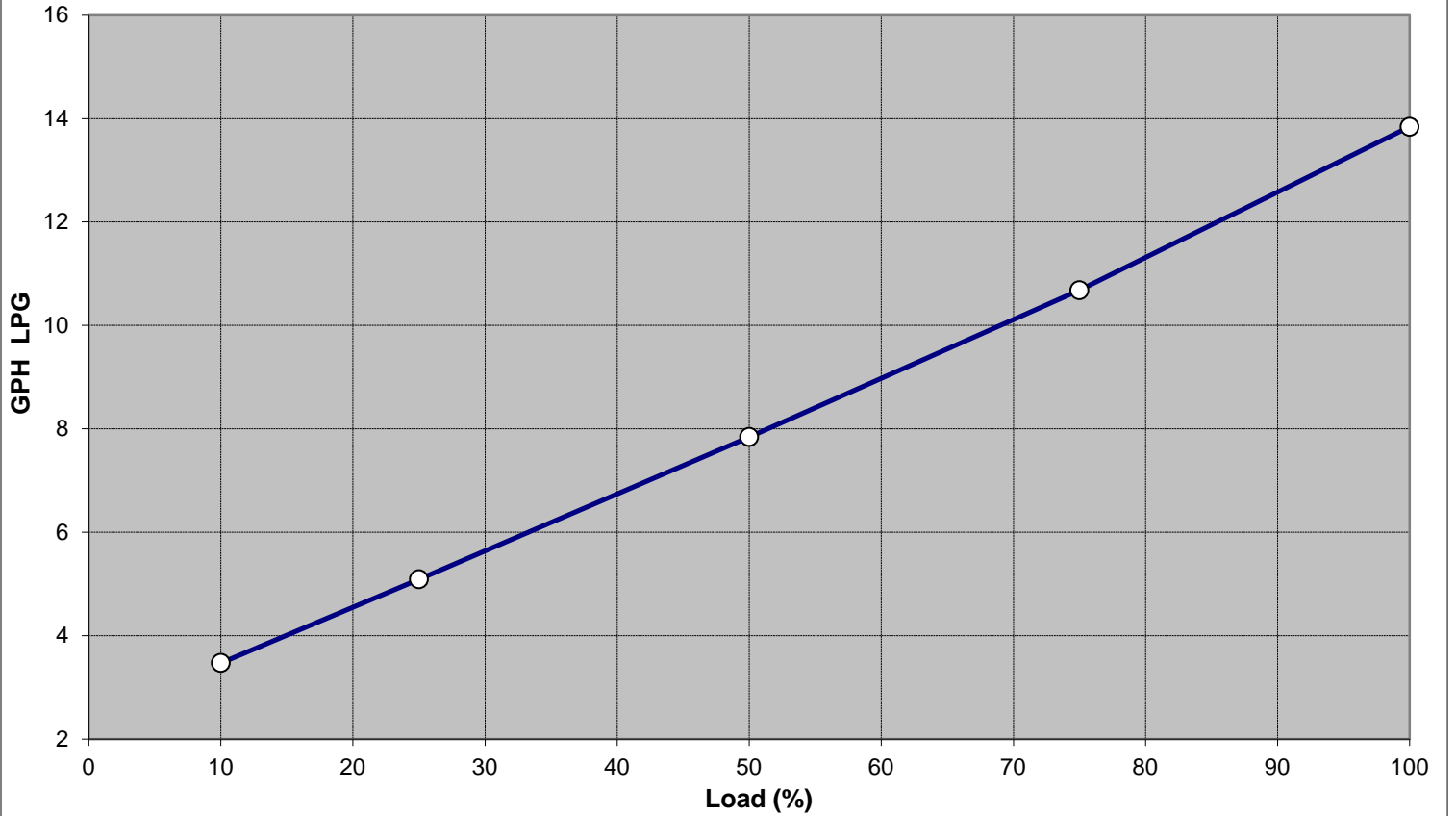
Bucks 8L Pipeline NG Fuel Consumption at 3000 rpm



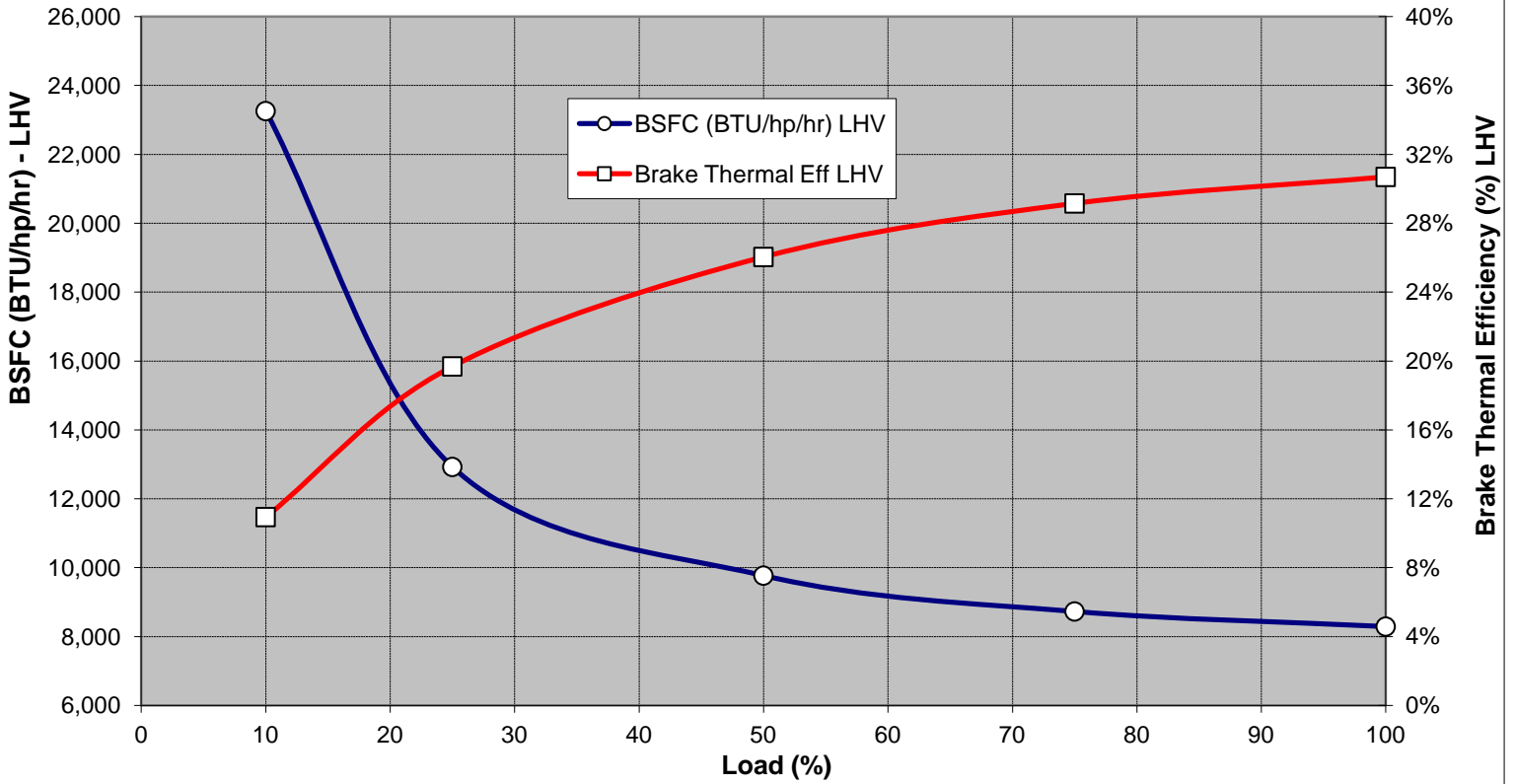
Bucks 8L Brake Specific Fuel Consumption and Efficiency
1800 rpm, Commercial LPG Fuel, 2315 BTU/ft³ LHV



Bucks 8L LPG Fuel Consumption at 1800 rpm



Bucks 8L Brake Specific Fuel Consumption and Efficiency
3000 rpm, Commercial LPG Fuel, 2315 BTU/ft³ LHV



Bucks 8L LPG Fuel Consumption at 3000 rpm

