



# 8.8 L INDUSTRIAL STATIONARY

100 – 180 kW

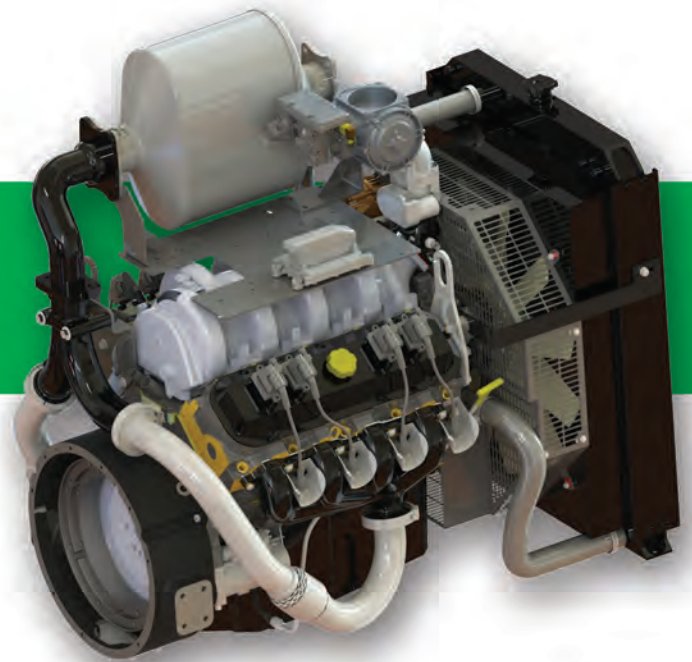
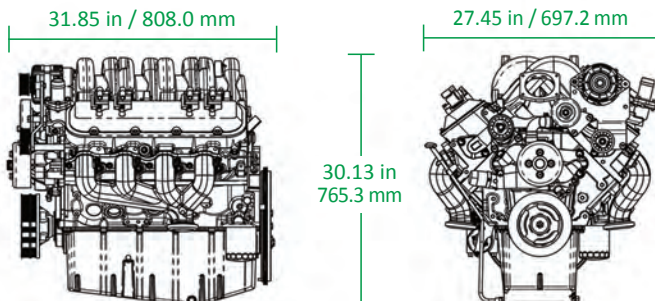
PSI's Industrial Stationary 8.8-liter engine is U.S. EPA-certified for multiple fuels. This fuel-flexible power unit is a fully integrated drop-in solution that delivers uncompromised power performance and maximum fuel efficiency.

Superior engine performance is driven by an ECU that integrates and coordinates all critical functions including: governor, variable ignition timing, air-fuel ratio control, knock suppression and engine protection. All PSI engines feature the same fuel systems and controls, simplifying application development and support.

PSI has been a leader in the design, engineering and manufacture of efficient, high-performance power systems, providing integrated turnkey solutions to top global OEMs for nearly 30 years. Our products are used worldwide in power generators, forklifts, aerial lifts and industrial sweepers, as well as in oil and gas, aircraft ground support, agricultural and construction equipment.

## GENERAL DATA

- 1) Water-cooled stoichiometric
- 2) Cast iron block and heads, 10:1 compression ratio, overhead valve/2V configuration
- 3) Camshaft gear-driven oil system with cartridge-type filter and belt-driven centrifugal water pump
- 4) Temperature-regulated oil cooler
- 5) 12VDC Starter and Alternator
- 6) 3-Way Catalytic Converter with certified units
- 7) Full ECU engine control with coil-on-plug variable timing ignition
- 8) Engine protection for oil pressure, coolant temperature, overspeed
- 9) Integrated knock sensing and control
- 10) CANBUS J1939 interface



## UPCOMING FEATURES FOR 2015

- New CCV system (breather):
  - Reduced oil consumption
  - Excellent cold ambient capability
- Spark plug heat shield:
  - Increased spark plug wire life
- New oil pan:
  - Additional ports added for oil makeup systems
- Engine-mounted catalyst:
  - Completely integrated emissions solution



## PSI 8.8-LITER NA ENGINE DATA

Cylinders	V-8
Induction system	Naturally aspirated
Combustion system	Spark-ignited
Cooling system	Water-cooled
Displacement	535 cid (8,799.9 cc)
Compression ratio	10.1:1
Bore & Stroke	4.35 in x 4.50 in (110.5 mm x 114.3 mm)
kWm (flywheel)	138 kw@1800 rpm / 115 kw@1500 rpm (LP) 121 kw@1800 rpm / 101 kw@1500 rpm (NG)
Fuel Type	Natural Gas / Propane / Gasoline
Direction of rotation	Counter-clockwise viewed on flywheel
Dimensions – Length	808.0 mm (31.85 in)
Width	697.2 mm (27.45 in)
Height	765.3 mm (30.13 in)
Dry Weight	307 kg (730 lb)