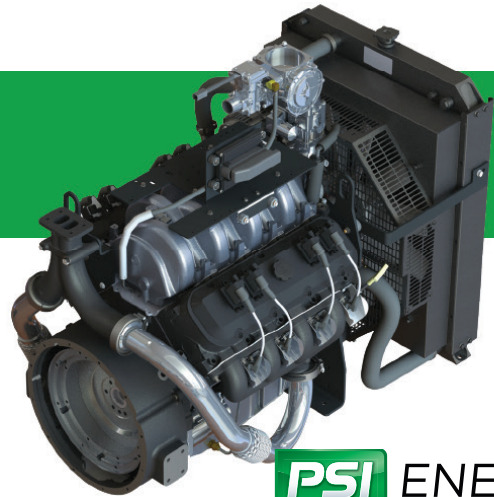




8.8LT NATURAL GAS/PROPANE ENGINE



PSI ENERGY

The PSI 8.8-liter Turbo engine is a U.S. EPA-certified natural gas and propane power unit developed from the block up to be reliable and durable. The newly-designed and engineered 8.8-Liter engine provides industrial, bus, truck and marine OEMs a fully integrated drop-in solution with uncompromised power performance, maximum fuel efficiency, emissions certification and fuel flexibility.

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.

The PSI Energy product lineup has displacements from 0.97L to 65L. These engines are an extension of the PSI product line, which is based upon blocks from 650cc to 8.8L. All PSI engines feature the same fuel systems and controls, simplifying your application development and support.

GENERAL DATA

- Water-cooled, with replaceable dry cylinder liners
- 50C Ambient Cooling Capacity
- Cast iron block & heads, 10.5:1 compression ratio, overhead valve/2V configuration
- Crankshaft gear-driven oil system with cartridge-type filter, belt-driven centrifugal water pump
- 24VDC Starter and Brushless Alternator
- CANBUS J1939 interface
- 3-Way Catalytic Converter
- UL-recognized air filtration
- Integrated knock sensing and control
- Full ECU engine control with coil-on-plug variable timing ignition

FEATURES

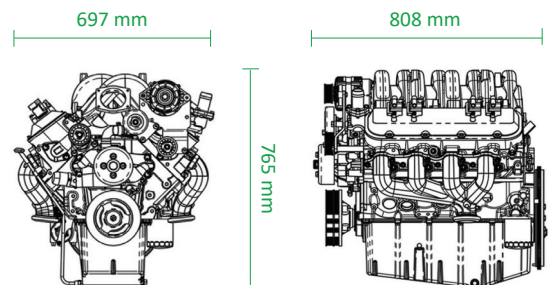
- High-flow cylinder head with optimum compression ratio delivers impressive torque
- Roller valve lifters for reduced friction and improved fuel economy
- World-class engine sealing system for superior leak protection
- Crank is forged, induction hardened steel with tangential fillets
- New CCV system (breather) for reduced oil consumption and excellent cold ambient capability

PSI 8.8LT ENGINE DATA

Model Number	8.8LT
Cylinders	V-8
Induction System	Turbocharged & after cooled
Combustion System	Spark-ignited
Cooling System	Water-cooled
Displacement	8.8 L
Bore & Stroke	110.5 mm x 114.3 mm
Fuel Type	Natural Gas / Propane / Bi-Fuel
Direction of Rotation	Counter-clockwise viewed on flywheel
Dry Weight	307 kg

POWER RATINGS

GAS ENGINE	NG			RPM
	Gross Engine Output	Typical Generator output		
		ESP	ESP	
	kWm	kWe	kVA	
8.8LT	123	109	137	1500
	147	130	162	1800



kWe values are based on standard assumptions for mechanical and electrical losses. Ratings and performance is subject to site conditions and PSI application and ratings guidelines.

