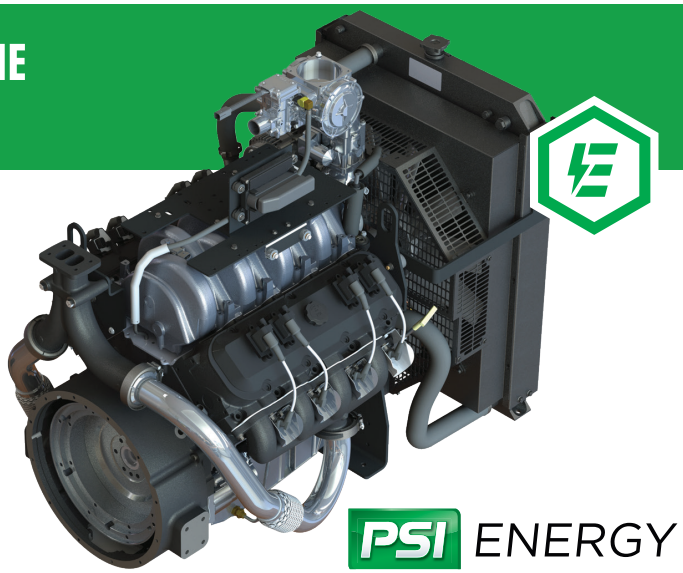
POWER SOLUTIONS® INTERNATIONAL

MOTEURS Baudouin
AUTHORIZED PSI DISTRIBUTOR

8.8LCAC NATURAL GAS/PROPANE ENGINE



The PSI 8.8-liter 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

- Cast iron block and heads, 10:1 compression ratio, overhead valve/2V configuration
- Fuel and emission control system that meets Tier II EPA/CARB emission regulations for LSI engines
- Camshaft gear-driven oil system with cartridge-type filter and belt-driven centrifugal water pump
  Temperature-regulated oil cooler
- 12VDC Starter and Alternator
- Cooling fans, radiator & complete cooling systems
- Dry-type industrial air cleaners (safety element available)
- 3-Way Catalytic Converter with certified units
- Full ECU engine control with coil-on-plug variable timing ignition
- Engine protection for oil pressure, coolant temperature, overspeed
- Integrated knock sensing and control
- CANBUS J1939 interface
- Available as Naturally Aspirated, Turbo & Charge Air Cooled (CAC HO = 200kWe)

POWER RATINGS

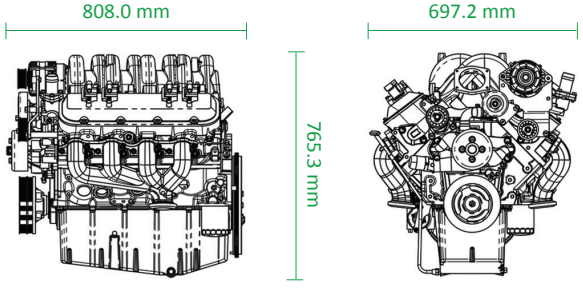
	Speed RPM	Natural Gas		
		ESP		
		kWm	kWe	kVA
8.8LCAC	1500	162	143	178
	1800	195	172	215

	SpeedRPM	Natural Gas		
		ESP		
		kWm	kWe	kVA
8.8LCAC HO	1800	227	200	250

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.

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 8.8 LITER ENGINE DATA

Model Number	8.8L
Cylinders	V-8
Induction System	Turbocharged & air-to-air charge cooled
Combustion System	Spark-ignited
Cooling System	Water-cooled
Displacement	8.8L
Compression Ratio	10:1
Bore & Stroke	110.5 mm x 114.3 mm
Fuel Type	Natural Gas / Propane / Dual Fuel
Direction of Rotation	Counter-clockwise viewed on flywheel
Dry Weight	307 kg