

5.7LCAC

NATURAL GAS/PROPANE ENGINE

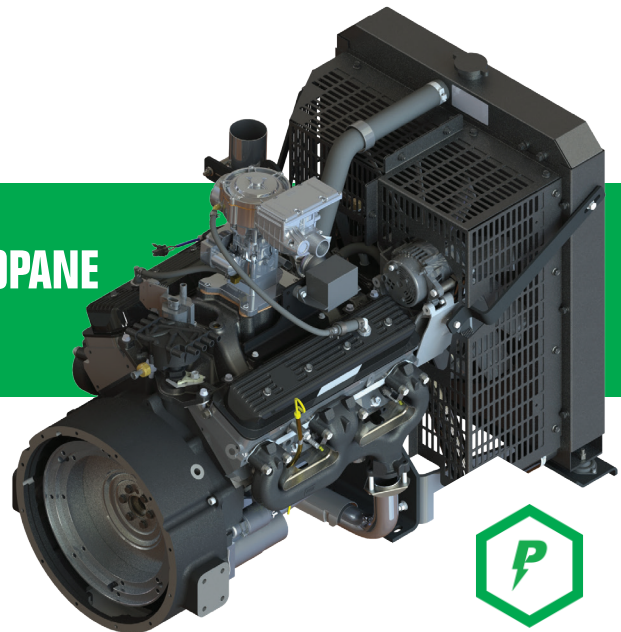
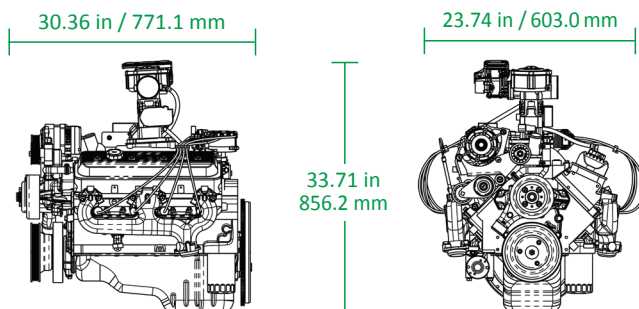
The PSI 5.7-liter Turbo engine is U.S. EPA-certified for multiple fuels. This fuel-flexible power unit is a fully integrated drop-in solution that delivers uncompromised power performance and maximum fuel efficiency.

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.

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

- Fuel options: LPG, NG
- Fuel and emission control system that meets EPA/CARB emission regulations for LSI engines
- Turbo, Charge Air Cooled, and Gear Box options
- Standard cast 4-barrel intake manifold designed for maximum power at idle to 3000 rpm
- High Voltage (HVS) distributor and coil standard
- SAE 3-flywheel housing and flywheels
- Cooling fans, radiator & complete cooling systems
- Dry-type industrial air cleaners (safety element available)
- Electronic governors
- Extended oil sump
- Remote oil filter and auxiliary oil drain
- 95A alternator option / 70A alternator standard
- 3-Way Catalytic Converter with certified units (as required)
- CANBUS J1939 interface



PSI POWER SYSTEMS

FEATURES

- High-flow cylinder head with straighter intake ports
- Increased cooling around hardened exhaust-valve seats for added durability
- Roller valve lifters for reduced friction and improved fuel economy
- Composite front timing cover for noise reduction and corrosion protection
- Valvetrain features advanced-design silent timing chain for added durability
- Positive inlet valve stem seals for reduced oil consumption
- Common rear face to GM Powertrain industrial engines for easy hookup with housing

PSI 5.7-LITER ENGINE DATA

Model Number	5.7L
Cylinders	V-8
Induction System	Turbocharged & air-to-air charge cooled
Combustion System	Spark-ignited
Cooling System	Water-cooled
Displacement	350 cid (5,736.5 cc)
Compression Ratio	9.4:1
Bore & Stroke	4.00 in x 3.48 in (101.6 mm x 88.4 mm)
Fuel Type	Natural Gas / Propane
Direction of Rotation	Counter-clockwise viewed on flywheel
Dry Weight	432 lb (196 kg)

POWER RATINGS

		50 Hz (1500 RPM)		60 Hz (1800 RPM)	
STANDBY – T	NG	65 kWe	75 kWm	80 kWe	97 kWm
	NG	85 kWe	100 kWm	100 kWe	122 kWm
STANDBY – TCAC	LPG	80 kWe	93 kWm	90 kWe	111 kWm

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.

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