

5.7LNA NATURAL GAS/PROPANE ENGINE

The PSI 5.7-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.

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

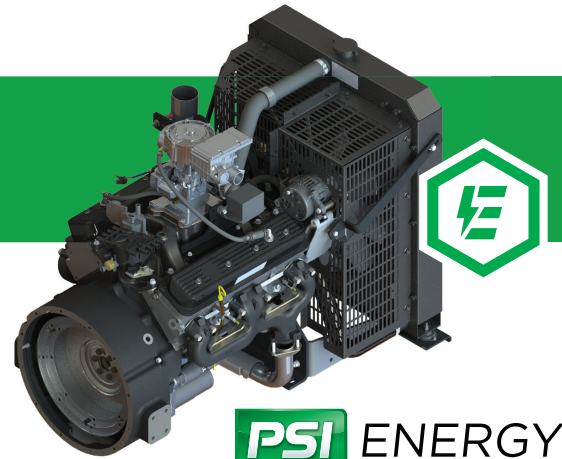
- Fuel options: LPG, NG, Bi-Fuel
- Fuel and emission control system that meets Tier II EPA/CARB emission regulations for LSI engines
- Turbo, Charge Air Cooled, and Gear Box options
- Standard cast 4-barrel intake manifold designed for maximum power at idle to 3000 rpm
- High Voltage (HVS) distributor 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
- Metal engine skid
- 95A alternator option / 70A alternator standard
- 3-Way Catalytic Converter with certified units (as required)
- CANBUS J1939 interface
- Sheet metal enclosure

POWER RATINGS

| GAS ENGINE | NG | | | | | | | RPM |
|------------|---------------------|-----|-----|--------------------------|-----|-----|-----|------|
| | Gross Engine Output | | | Typical Generator output | | | | |
| | ESP | PRP | COP | ESP | ESP | PRP | PRP | |
| | kWm | kWm | kWm | kWe | kVA | kWe | kVA | |
| 5.7LNA | 65 | 59 | 41 | 58 | 73 | 52 | 65 | 1500 |
| | 64 | 70 | 49 | 56 | 70 | 62 | 77 | 1800 |

| GAS ENGINE | LPG | | | | | | | RPM |
|------------|---------------------|-----|-----|--------------------------|-----|-----|-----|------|
| | Gross Engine Output | | | Typical Generator output | | | | |
| | ESP | PRP | COP | ESP | ESP | PRP | PRP | |
| | kWm | kWm | kWm | kWe | kVA | kWe | kVA | |
| 5.7LNA | 70 | 63 | 44 | 63 | 79 | 57 | 71 | 1500 |
| | 84 | 75 | 53 | 75 | 94 | 67 | 83 | 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.



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 5.7LNA ENGINE DATA

| | |
|-----------------------|--------------------------------------|
| Model Number | 5.7LNA |
| Cylinders | V-8 |
| Induction System | Naturally aspirated |
| Combustion System | Spark-ignited |
| Cooling System | Water-cooled |
| Displacement | 5.7 L |
| Compression Ratio | 9.4:1 |
| Bore & Stroke | 101.6 mm x 88.4 mm |
| Fuel Type | Natural Gas / Propane / Bi-Fuel |
| Direction of Rotation | Counter-clockwise viewed on flywheel |
| Dry Weight | 196 kg |

