

2.4LNA NATURAL GAS/PROPANE ENGINE



PSI ENERGY

The PSI 2.4-liter engine is designed for off-road stationary use with LPG and NG fuels. This fuel-flexible power unit is a fully integrated drop-in solution that delivers uncompromised power and performance. The newly-designed and engineered 2.4-liter engine provides power, efficiency, durability, and noise and vibration advantages over previous units and easily integrates into existing 1.6-liter to 3.0-liter applications.

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
- Flywheel and SAE4 housing
- Instrument panel with auto shutdown devices
- Sheet metal enclosures
- Cooling fan
- Radiator
- Electronic governors
- Dry-type industrial air cleaners (safety element available)
- Remote oil filter and auxiliary oil drain
- Metal engine skid
- 95A alternator option / 70A alternator standard
- CANBUS J1939 interface

POWER RATINGS

| GAS ENGINE | NG | | | RPM |
|------------|---------------------|--------------------------|-----|------|
| | Gross Engine Output | Typical Generator output | | |
| | ESP | ESP | ESP | |
| | kWm | kWe | kVA | |
| 2.4LNA | 26 | 23 | 28 | 1500 |
| | 32 | 27 | 34 | 1800 |

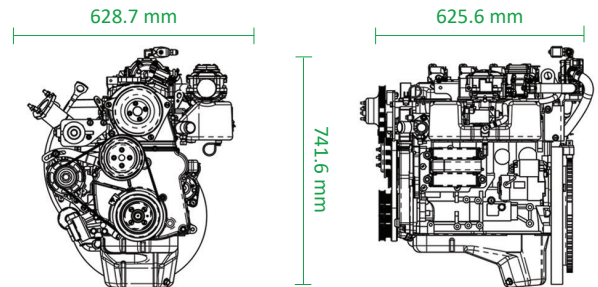
| GAS ENGINE | LPG | | | RPM |
|------------|---------------------|--------------------------|-----|------|
| | Gross Engine Output | Typical Generator output | | |
| | ESP | ESP | ESP | |
| | kWm | kWe | kVA | |
| 2.4LNA | 29 | 25 | 32 | 1500 |
| | 35 | 30 | 37 | 1800 |

FEATURES

- Premium timing and balance belts
- High silicon content pistons for improved durability and noise reduction
- Sintered powdered-metal exhaust valve seat inserts for enhanced durability
- World-class engine sealing system for superior leak protection
- Integral harmonic balancer/crankshaft pulley for easier accessory drive dress
- Intake/exhaust manifolds standard

PSI 2.4LNA ENGINE DATA

| | |
|-----------------------|--------------------------------------|
| Model Number | 2.4LNA |
| Cylinders | I-4 |
| Induction System | Naturally aspirated |
| Combustion System | Spark-ignited |
| Cooling System | Water-cooled |
| Displacement | 2.4 L |
| Compression Ratio | 9.5:1 |
| Bore & Stroke | 86.5 mm x 100 mm |
| Fuel Type | Natural Gas / Propane / Bi-Fuel |
| Direction of Rotation | Counter-clockwise viewed on flywheel |
| Dry Weight | 136 kg |



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.

