

# 2.4LT

## NATURAL GAS/PROPANE ENGINE

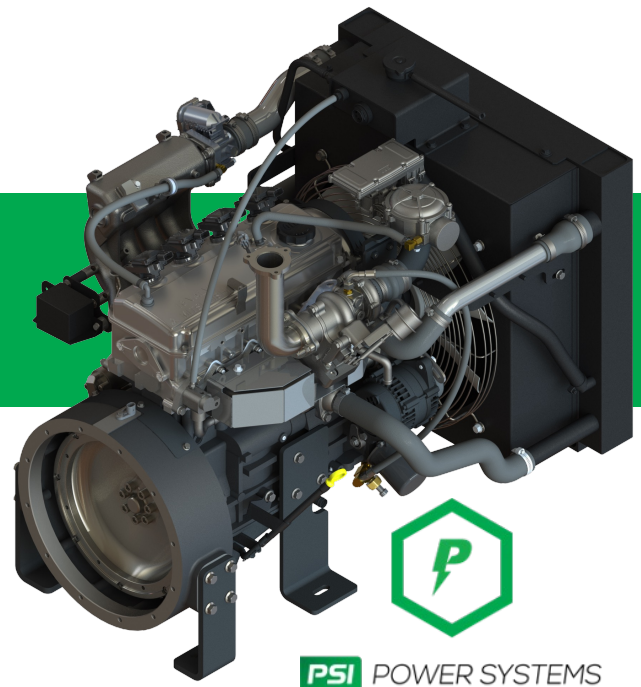
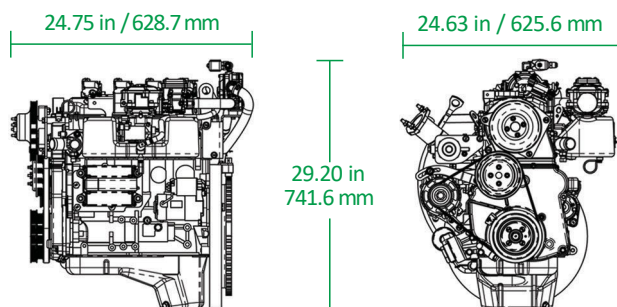
The PSI 2.4-liter Turbo engine is designed for off-road stationary use with LPG and NG fuels. This fuel-flexible power unit is a fully integrated drop-in solution that delivers uncompromised power and performance. The newly-designed and engineered 2.4-liter engine provides power, efficiency, durability, 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 82L. 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
- Flywheel and SAE4 housing
- Instrument panel with auto shutdown devices
- Cooling fan
- Radiator
- Electronic governors
- Dry-type industrial air cleaners (safety element available)
- Remote oil filter and auxiliary oil drain
- 95A alternator option / 70A alternator standard
- CANBUS J1939 interface



### 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 2.4-LITER TURBO ENGINE DATA

Model Number	2.4L
Cylinders	I-4
Induction System	Turbocharged & air-cooled
Combustion System	Spark-ignited
Cooling System	Water-cooled
Displacement	143 cid (2.351 L)
Compression Ratio	9.5:1
Bore & Stroke	3.40 in x 3.93 in (86.5 mm x 100 mm)
Fuel Type	Natural Gas / Propane
Direction of Rotation	Counter-clockwise viewed on flywheel
Dry Weight	300 lb (136 kg)

### POWER RATINGS

		60 Hz (1800 RPM)	
STANDBY	NG	40 kW <sub>e</sub>	50.3 kW <sub>m</sub>
	LPG	40 kW <sub>e</sub>	50.5 kW <sub>m</sub>

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.