

# 2.4L GASOLINE ENGINE

63.8 hp / 124 ft-lbs

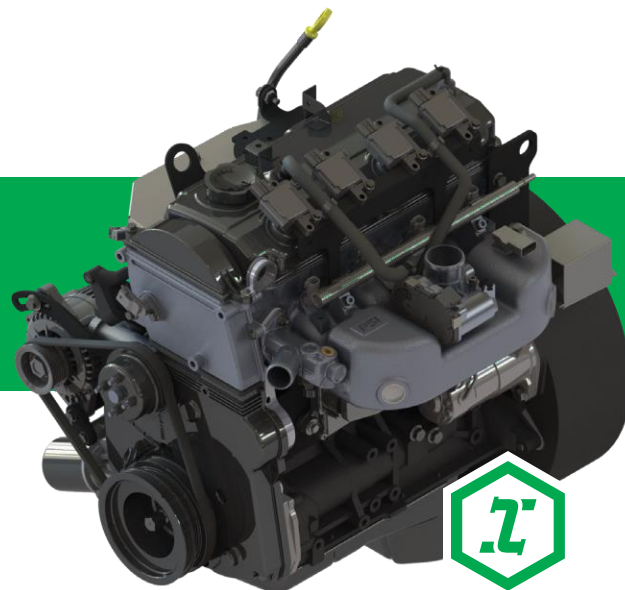
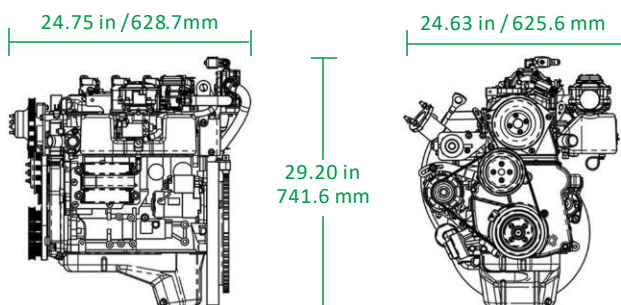
PSI's Industrial 2.4-liter gasoline engine is emission certified with the U.S. EPA and California ARB for off-road mobile use and is a fully integrated drop-in solution that delivers uncompromised power performance and maximum fuel efficiency.

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. All PSI engines feature the same fuel systems and controls, simplifying application development and support.

PSI has been a leader in the design, engineering and manufacture of efficient, high-performance power systems, providing integrated turnkey solutions to top global OEMs for nearly 30 years. Our products are used worldwide in pump jacks, power generators, forklifts, aerial lifts and industrial sweepers, as well as in oil and gas, aircraft ground support, agricultural and construction equipment.

## GENERAL DATA

- Sequential Electronic Fuel Injection (SEFI) for gasoline
- Fuel and emission control system that meets Tier II EPA/CARB emission regulations for LSI engines
- SAE flywheel housings and flywheels
- Additional crankshaft pulleys
- Cooling fans
- Radiator
- Electronic & mechanical governors
- Remote oil filter and auxiliary oil drain
- Metal engine skid
- Front PTO option
- Highly-configurable Engine Management System (EMS) with CAN capabilities



**PSI** INDUSTRIAL

## 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

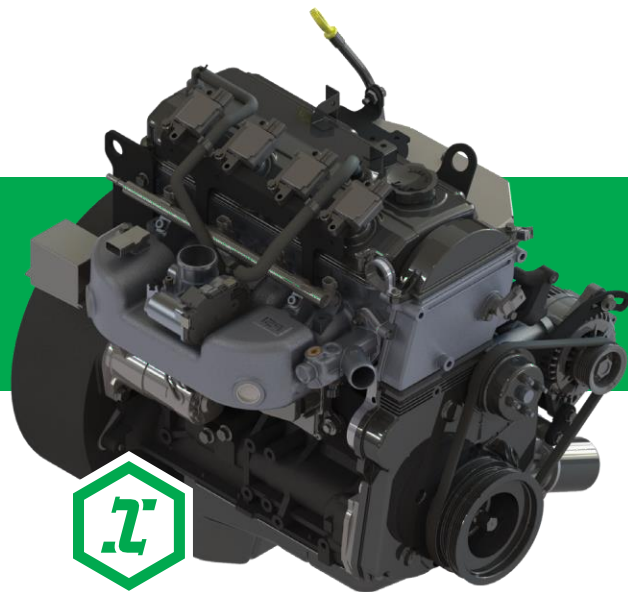
## PSI 2.4-LITER GASOLINE ENGINE DATA

|                       |                                      |
|-----------------------|--------------------------------------|
| Cylinders             | 4                                    |
| Induction system      | Naturally aspirated                  |
| 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) |
| Peak Power            | 63.8 hp (47.6 kW) @ 2800 rpm         |
| Peak Torque           | 124 ft-lbs (168.2 N-m) @ 2400 rpm    |
| Fuel Type             | Gasoline                             |
| Direction of rotation | Counter-clockwise viewed on flywheel |
| Dry Weight            | 421 lb (191 kg)                      |

SAE J1995 rated following 36300018 PSI Derate Specification with a tolerance of +/-5%. The right is reserved to make changes to this document at any time without notice.



**POWER SOLUTIONS  
INTERNATIONAL**



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# 2.4L GASOLINE ENGINE

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## ENGINE HIGHLIGHTS

Exclusive features and enhancements to PSI's emission-friendly 2.4-liter engine optimize performance, extend engine life and service intervals, and reduce noise and vibration.

### BALANCE SHAFT

Eliminates 2nd-order vibrations at all speeds

### PREMIUM VALVE SEAT INSERTS

Valvetrain durability on gaseous fuels enabling 10,000+ hour B10 life

### HYDRAULIC LASH ADJUSTERS

Service-free valvetrain for life of engine

### PREMIUM CAMSHAFT & BALANCE SHAFT BELTS

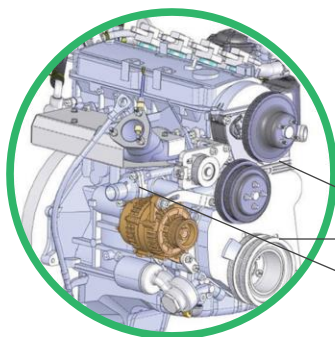
Extends service interval to 5,000 hours

### INLET SIDE THERMOSTAT

Enhances durability due to reduced thermal cycling after cold start

### COIL AT PLUG IGNITION

No waste spark reduces propensity for backfire



## TORQUE & HORSEPOWER CURVES - 2.4L GASOLINE

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