

4.5L NATURAL GAS/PROPANE ENGINE

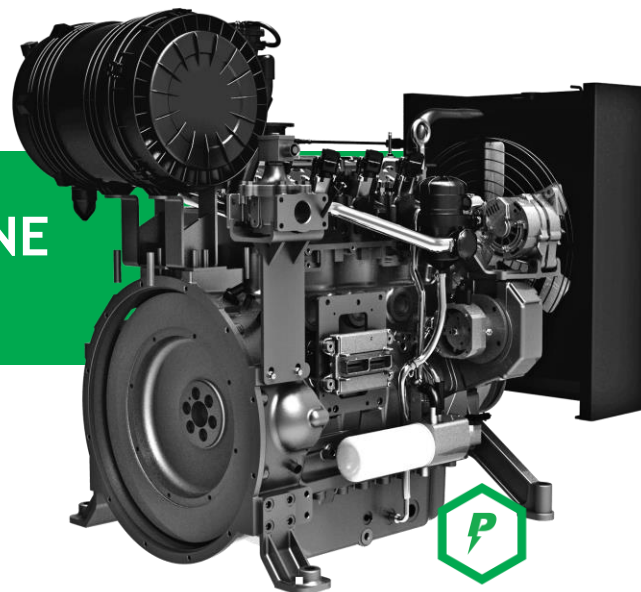
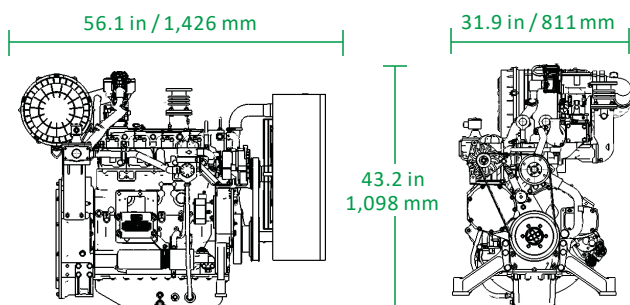
The PSI 4.5-liter engine is U.S. EPA-certified for multiple fuels. This fuel-flexible power unit is a fully integrated drop-in solution that delivers uncompromised power performance and maximum fuel efficiency.

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 Power Systems 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

- Cast Iron Engine Block
- One-piece forged crankshaft
- Separate cast iron cylinder heads and wet cylinder liners
- Forged Connecting Rod
- Radiator and hoses supplied
- Thermostatically-controlled system with belt driven water pump and Pusher/Puller fan
- Proven ECM, Fuel System and Engine Control
- Engine Protection
- CANBUS J1939 Standard Interface
- Telematics Compatibility
- SAE 1/SAE 3 flywheel housing and 11.5/10" flywheel



PSI POWER SYSTEMS

FEATURES

- Flat bottom high capacity oil pan (16 L)
- Cartridge oil filter
- High capacity gear driven lube oil pump
- Replaceable Dry Air Cleaner
- Air Cleaner Restriction Indicator
- 12V electric starter motors electrical system
- Optional low voltage battery charging alternator

PSI 4.5-LITER ENGINE DATA

Model Number	4.5L
Cylinders	4
Induction System	Naturally aspirated
Displacement	274 cid (4,500 cc)
Compression Ratio	9.75:1
Bore & Stroke	4.13 in x 5.12 in (105 mm x 130 mm)
Fuel Type	Natural Gas / Propane
Dry Weight	1,102 lb (500 kg)

POWER RATINGS

		50 Hz (1500 RPM)		60 Hz (1800 RPM)	
PRIME	NG	35 kWe	44 kWm	40 kWe	50 kWm
	LPG	36 kWe	46 kWm	40 kWe	50 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.