



**POWER SOLUTIONS
INTERNATIONAL**

32L NATURAL GAS/PROPANE ENGINE

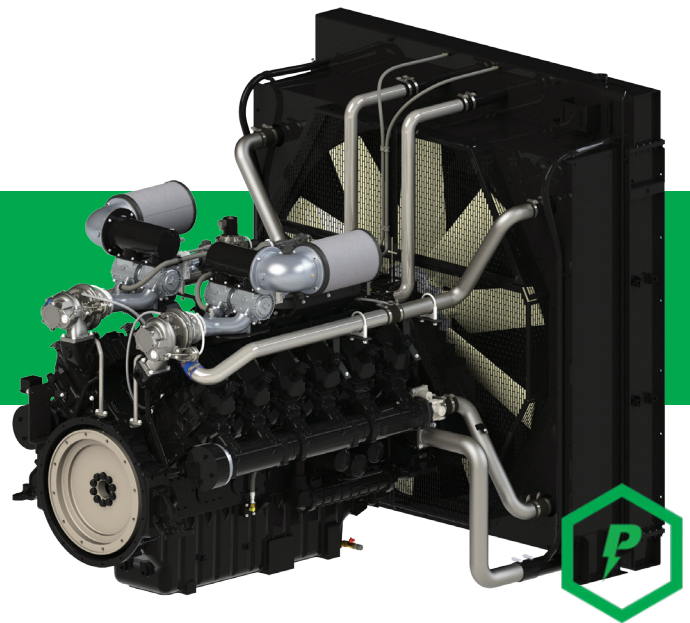
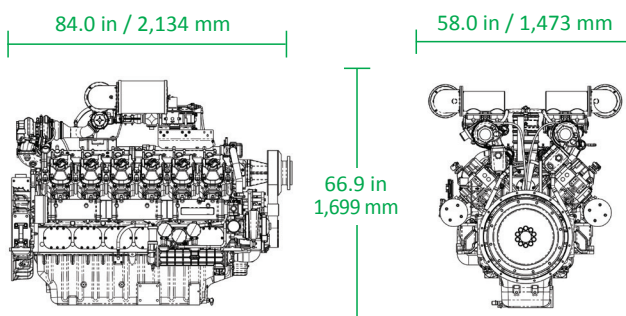
The PSI 32-liter is a U.S. EPA-certified natural gas and propane engine developed from the block up to be a reliable and durable power unit. Built upon a proven marine-diesel grade block, the 12-cylinder V-Configuration, turbocharged and after-cooled engine features replaceable wet liners and water-cooled exhaust.

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

- Turbo-charged and after cooled, cast iron with wet cylinder liners v-block
- Cast iron cylinder block with inspection door per cylinder
- Modular 4 valve cast iron cylinder heads
- High strength alloy steel forged crankshaft
- Thermostatically-controlled cooling system with engine integrated oil cooler
- Belt driven dual water pump and engine mounted fan
- J1939 CANBUS interface
- 3-Way Catalyst
- High efficiency air filter
- SAE #0 flywheel housing, SAE #18 flywheel
- Proven ECU, fuel system and engine control



PSI POWER SYSTEMS

FEATURES

- U.S. EPA-Certified
- Oil cooled light alloy pistons with high performance piston rings
- Hardened valves and valve seats
- Valley mounted water cooled exhaust manifold
- Telematics compatibility

PSI 32-LITER ENGINE DATA

Model Number	32L
Cylinders	90°, V-12
Induction System	Turbocharged & air-to-air charge-cooled
Combustion System	Spark-ignited
Cooling System	Water-cooled
Displacement	1,941 cid (31,800 cc)
Compression Ratio	10.5:1
Bore & Stroke	5.91 in x 5.91 in (150 mm x 150 mm)
Fuel Type	Natural Gas / Propane
Direction of Rotation	Counter-clockwise viewed on flywheel
Dry Weight	6,887 lb (3,124 kg)

POWER RATINGS

		50 Hz (1500 RPM)		60 Hz (1800 RPM)	
STANDBY	NG	525 kWe	600 kWm	650 kWe	720 kWm
	LPG	350 kWe	405 kWm	425 kWe	475 kWm
LTP	NG	500 kWe	570 kWm	600 kWe	684 kWm
	LPG	325 kWe	385 kWm	400 kWe	451 kWm
PRIME	NG	450 kWe	510 kWm	525 kWe	612 kWm
	LPG	300 kWe	344 kWm	350 kWe	403 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.

Power Solutions International 201 Mittel Drive, Wood Dale, IL 60191
T: 630-350-9400 • F: 630-350-9588 • www.psiengines.com