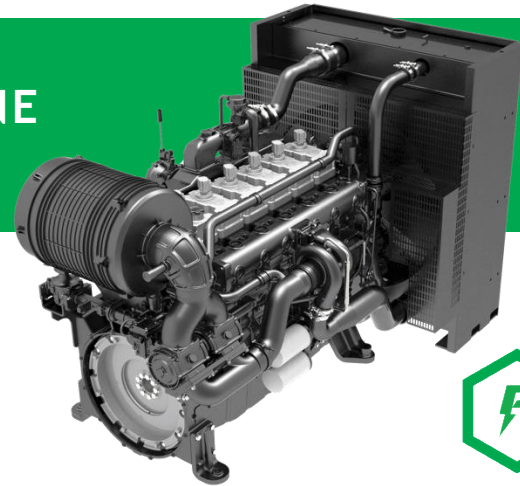


13LT NATURAL GAS/PROPANE ENGINE



PSI POWER SYSTEMS

The PSI 10-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 6-cylinder, 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 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

- Turbo-charged and after cooled, cast iron with dry cylinder liners
- Cast iron cylinder block with inspection door per cylinder
- High strength alloy steel forged crankshaft
- Forged Connecting Rod Aluminum Alloy Pistons with Gallery Oil Cooling
- Thermostatically-controlled cooling system with engine integrated oil cooler
- J1939 CANBUS interface
- 3-Way Catalyst
- High efficiency air filter
- Variety of Flywheels (11.5", 14"), Ring Gears and Housing
- Proven US ECU, fuel system and engine control
- High Capacity, Gear Driven Oil Pump
- Cartridge-Type Filters

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 13-LITER ENGINE DATA

Model Number	13L
Cylinders	I-6
Induction System	Turbocharged & air-cooled
Combustion System	Spark-ignited
Cooling System	Water-cooled
Displacement	12.54
Compression Ratio	9.75 :1
Bore & Stroke	5.0 X 6.5 in (126 mm x 165.1 mm)
Fuel Type	Natural Gas / Propane
Direction of Rotation	Counter-clockwise viewed on flywheel
Dry Weight	3,018 lb (1,050 kg)

POWER RATINGS

		50 Hz (1500 RPM)		60 Hz (1800 RPM)	
STANDBY HO	NG	250 kW _e	300 kW _m	300 kW _e	350 kW _m
STANDBY HO	LP	175 kW _e	204 kW _m	150 kW _e	179 kW _m
STANDBY	NG	223 kW _e	250 kW _m	262 kW _e	299 kW _m
STANDBY	LP	130 kW _e	150 kW _m	150 kW _e	180 kW _m
PRIME	NG	205 kW _e	230 kW _m	207 kW _e	240 kW _m
PRIME	LP	130 kW _e	150 kW _m	150 kW _e	180 kW _m
LTP	NG	205 kW _e	230 kW _m	207 kW _e	240 kW _m

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.

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