

11.1 L INDUSTRIAL STATIONARY

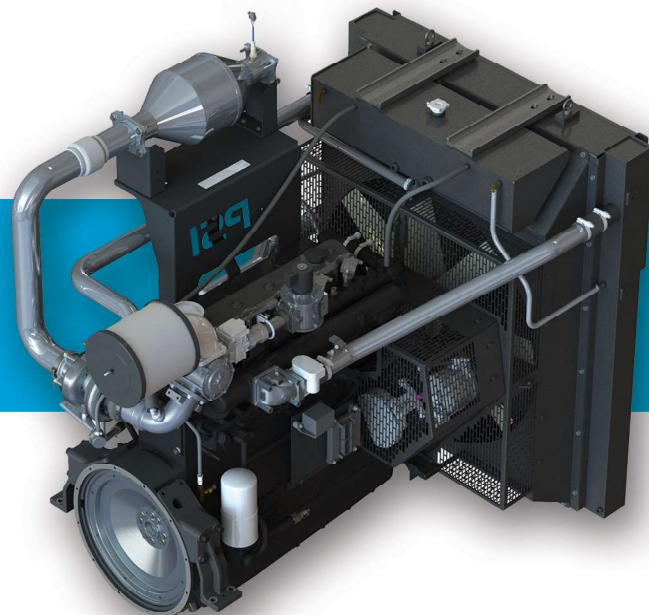
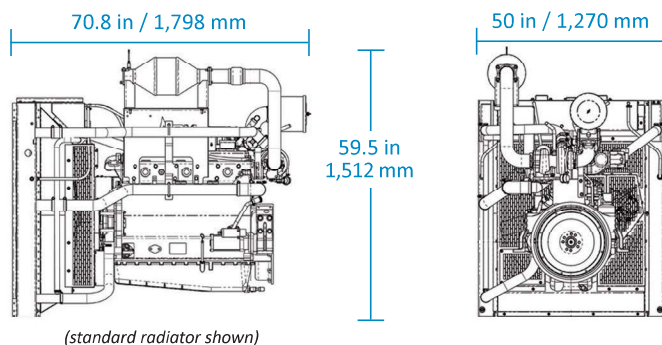
The PSI HD 11.1L is a U.S. EPA-certified natural gas and propane engine developed from the block up to be a reliable and durable power unit. Built upon a proven marine-diesel grade block, the 6-cylinder inline configuration, turbocharged and after-cooled engine features replaceable dry liners and water-cooled 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.

PSI is the market leader in providing heavy-duty products. PSI has seven models in its HD product lineup with displacements of 8.1L, 11.1L, 14.6L, 18.3L, 21.9L and 29.2L. 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

- Water-cooled, turbo-charged, air-to-air inter-cooled, stoichiometric with replaceable dry cylinder liners
- Cast iron block & heads, 10.5:1 compression ratio, overhead valve/2V configuration
- Crankshaft gear-driven oil system with cartridge-type filter, gear-driven centrifugal water pump
- 24VDC Starter and Alternator
- CANBUS J1939 interface
- 3-Way Catalytic Converter
- UL-recognized air filtration
- Integrated knock sensing and control
- Full ECU engine control with coil-on-plug variable timing ignition
- Engine protection for oil pressure, coolant level, coolant temperature, fuel pressure, over-speed



FEATURES

- U.S. EPA-Certified and CARB-Compliant, Industrial Stationary
- 50C Ambient Cooling Capacity
- UL2200-Compliant or Listed Components
- MasterTrak Telematics service (included for 1 year)

GENERATION 2 ENHANCEMENTS

- Enhancements for prime & continuous power
- Dual Fuel Auto Switch-Over
- Brushless Alternators
- Serpentine, Self-Tensioning Fan Belt
- UL Class 1 Division 2 ignition system (option)
- Advanced diagnostics for improved up-time

PSI 11.1-LITER ENGINE DATA

Model Number	D111L
Cylinders	I-6 (in-line)
Induction system	Turbocharged & air-to-air charge cooled
Combustion system	Spark-ignited
Cooling system	Water-cooled
Displacement	673 cid (11,051 cc)
Compression ratio	10.5:1
Bore & Stroke	4.84 in x 6.1 in (123 mm x 155 mm)
Fuel Type	Natural Gas / Propane
Direction of rotation	Anti-clockwise viewed on flywheel
Dry Weight	2,600 lb (1,179 kg)

kWe

		1500 RPM	1800 RPM
Standby*	NG	180 kWe	225 kWe
	LPG	118 kWe	142 kWe
Prime*	NG	162 kWe	203 kWe
	LPG	106 kWe	128 kWe

*Assumes 10% losses for fans and genset. Ratings subject to PSI application and duty cycle guidelines.