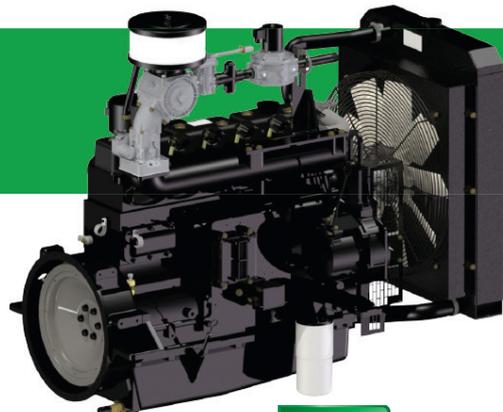


# 8.1LNA NATURAL GAS/PROPANE ENGINE



**PSI ENERGY**

The PSI 8.1-liter engine is a U.S. EPA-certified natural gas and propane power unit developed from the block up to be reliable and durable. Built upon a proven marine-diesel grade block, the 6-cylinder inline engine features replaceable dry liners.

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

- Water-cooled, with replaceable dry cylinder liners
- 50C Ambient Cooling Capacity
- Cast iron block & heads, 10.5:1 compression ratio, overhead valve/2V configuration
- Crankshaft gear-driven oil system with cartridge-type filter, belt-driven centrifugal water pump
- 24VDC Starter and Brushless 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

## FEATURES

- U.S. EPA-Certified and CARB-Compliant, Stationary & Mobile
- MasterTrak Telematics service (included for 1 year)
- Enhancements for prime & continuous power
- UL2200-Compliant or Listed Components
- Dual Fuel Auto Switch-Over
- Advanced diagnostics for improved up-time

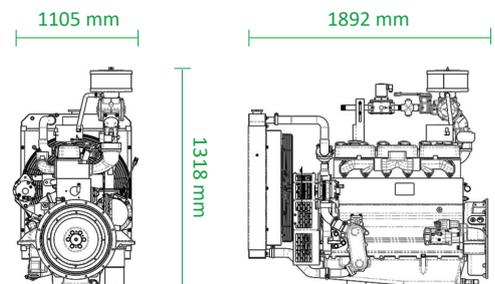
## PSI 8.1LNA ENGINE DATA

Model Number	8.1LNA
Cylinders	6
Induction System	Naturally aspirated
Combustion System	Spark-ignited
Cooling System	Water-cooled
Displacement	8.1 L
Bore & Stroke	111 mm x 139 mm
Fuel Type	Natural Gas / Propane / Bi-Fuel
Direction of Rotation	Counter-clockwise viewed on flywheel
Dry Weight	998 kg

## POWER RATINGS

GAS ENGINE	NG							RPM
	Gross Engine Output			Typical Generator output				
	ESP	PRP	COP	ESP	ESP	PRP	PRP	
	kWm	kWm	kWm	kWe	kVA	kWe	kVA	
8.1LNA	74	67	47	65	82	59	74	1500
	100	88	62	87	109	76	95	1800

GAS ENGINE	LPG							RPM
	Gross Engine Output			Typical Generator output				
	ESP	PRP	COP	ESP	ESP	PRP	PRP	
	kWm	kWm	kWm	kWe	kVA	kWe	kVA	
8.1LNA	74	67	47	65	82	59	74	1500
	100	88	62	87	109	76	95	1800



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.

