

14.6 L INDUSTRIAL STATIONARY

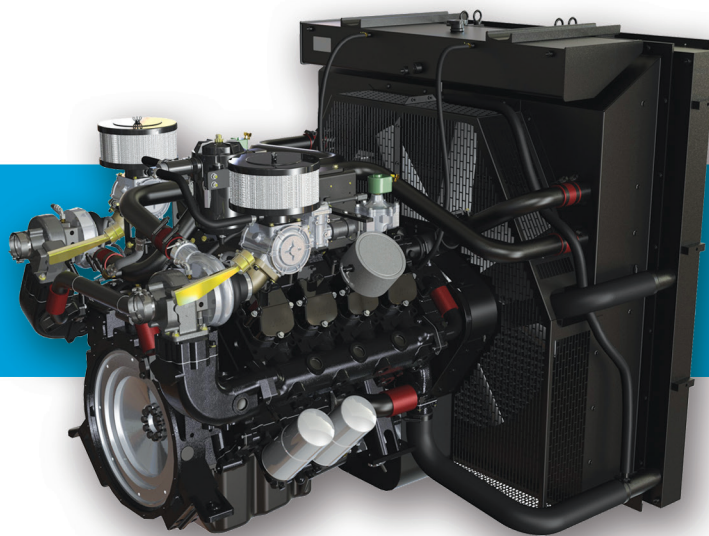
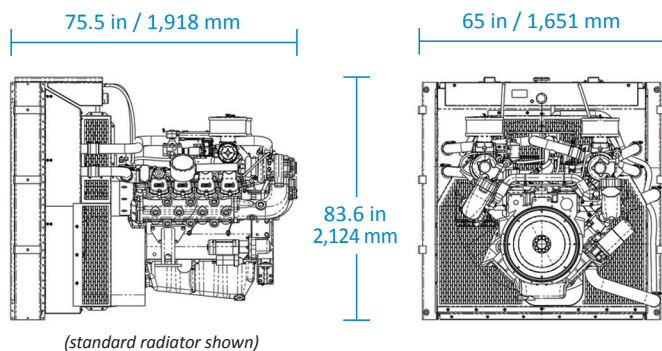
The PSI HD 14.6L is a U.S. EPA-certified natural gas and propane engine developed from the block up to be a reliable and durable power unit. Built upon a proven marine-diesel grade block, the 8-cylinder V-Configuration, turbocharged and after-cooled engine features replaceable wet liners and water-cooled 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.

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 wet cylinder liners
- 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 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
- Advanced diagnostics for improved up-time

PSI 14.6-LITER ENGINE DATA

Model Number	D146L
Cylinders	90°, V-8
Induction system	Turbocharged & air-to-air charge cooled
Combustion system	Spark-ignited
Cooling system	Water-cooled
Displacement	892 cid (14,620 cc)
Compression ratio	10.5:1
Bore & Stroke	5.04 in x 5.59 in (128 mm x 142 mm)
Fuel Type	Natural Gas / Propane
Direction of rotation	Anti-clockwise viewed on flywheel
Dry Weight	3,150 lb (1,429 kg)

kWe

		1500 RPM	1800 RPM
Standby*	NG	240 kWe	350 kWe
	LPG	175 kWe	210 kWe
Prime*	NG	216 kWe	315 kWe
	LPG	158 kWe	189 kWe

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