

21.9L INDUSTRIAL STATIONARY

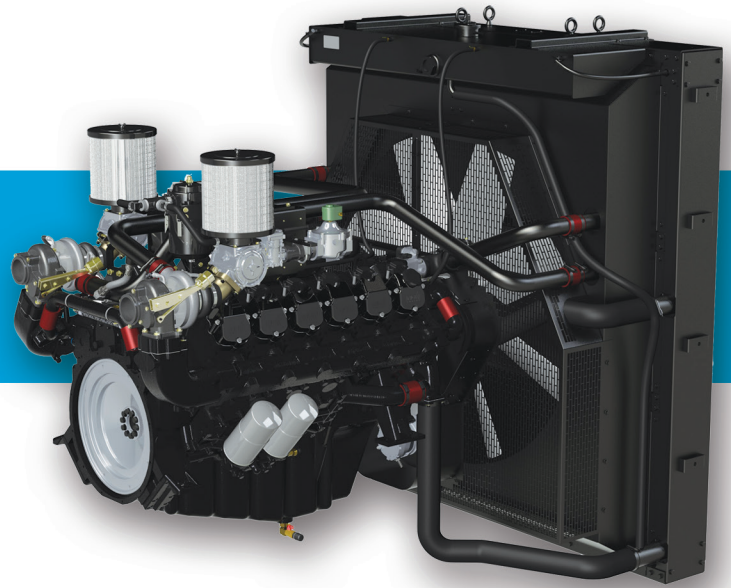
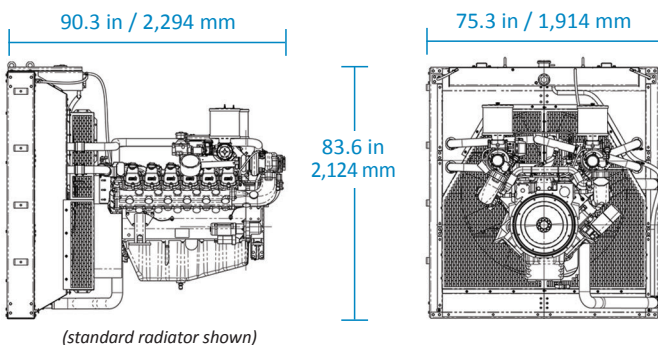
The PSI HD 21.9L is a U.S. EPA-certified natural gas and propane engine developed from the block up to be a reliable and durable power unit. Built upon a proven marine-diesel grade block, the 12-cylinder V-Configuration, turbocharged and after-cooled engine features replaceable wet liners and water-cooled 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.

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



FEATURES

- U.S. EPA-Certified and CARB-Compliant, Stationary & Mobile
- 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 Alternator
- Serpentine, Self-Tensioning Fan Belt
- Advanced diagnostics for improved up-time

PSI 21.9-LITER ENGINE DATA

Model Number	D219L
Cylinders	90°, V-12
Induction system	Turbocharged & air-to-air charge cooled
Combustion system	Spark-ignited
Cooling system	Water-cooled
Displacement	1,338 cid (21,561 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	3,638 lb (1,650 kg)

kWe

		1500 RPM	1800 RPM
Standby*	NG	410 kWe	450 kWe
	LPG	262 kWe	315 kWe
Prime*	NG	369 kWe	405 kWe
	LPG	236 kWe	284 kWe

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