

4X NATURAL GAS/PROPANE ENGINE

The PSI 4.3-liter engine is U.S. EPA-certified for multiple fuels. This fuel-flexible power unit is a fully integrated drop-in solution that delivers uncompromised power performance and maximum fuel efficiency.

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

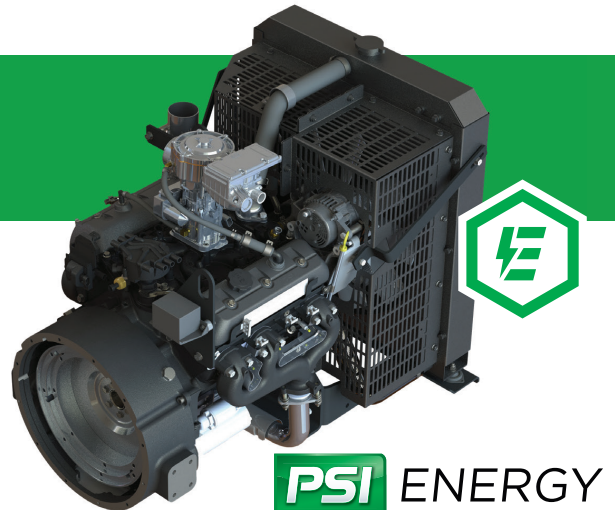
- Fuel options: LPG, NG, Bi-Fuel
- Fuel and emission control system that meets Tier II EPA/CARB emission regulations for LSI engines
- Turbo, Charge Air Cooled, and Gear Box options
- Standard cast 4-barrel intake manifold designed for maximum power at idle to 3000 rpm
- High Voltage (HVS) distributor and coil standard
- SAE 3-flywheel housing and flywheels
- Cooling fans, radiator & complete cooling systems
- Dry-type industrial air cleaners (safety element available)
- Electronic governors
- Extended oil sump
- Remote oil filter and auxiliary oil drain
- Metal engine skid
- 95A alternator option / 70A alternator standard
- 3-Way Catalytic Converter with certified units (as required)
- CANBUS J1939 interface
- Sheet metal enclosure

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	
4X	48	43	30	43	53	38	48	1500
	58	52	37	50	63	45	56	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	
4X	51	46	32	45	56	40	50	1500
	61	55	39	53	66	48	59	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.



FEATURES

- High-flow cylinder head with straighter intake ports
- Roller valve lifters for reduced friction and improved fuel economy
- Positive inlet and exhaust seals for reduced oil consumption
- Counter-rotating balance shaft for smooth performance and low noise
- Composite rocker arm cover and front cover for noise reduction
- World-class engine sealing system for superior leak protection
- Common rear face to GM Powertrain industrial engines for easy hookup with housing

PSI 4X ENGINE DATA

Model Number	4X
Cylinders	V-6
Induction System	Naturally aspirated
Combustion System	Spark-ignited
Cooling System	Water-cooled
Displacement	4.3 L
Compression Ratio	9.8:1
Bore & Stroke	101.6 mm x 88.4 mm
Fuel Type	Natural Gas / Propane / Bi-Fuel
Direction of Rotation	Counter-clockwise viewed on flywheel
Dry Weight	195 kg

