

# **KP6** Gaseous Engine

ENGINE SPECIFICATIONS				
Configuration	Vertical in-line 6-cylinder			
Induction system	Naturally aspirated			
Combustion system	Spark-ignited			
Cooling system	Water-cooled			
Displacement	6.5 L (397 cubic inches)			
Compression ratio	9:1			
Bore x stroke	4.1 x 4.9 inches (105 x 125 mm)			
Direction of rotation	Counterclockwise			
Approx. wet weight (power unit, G-drive)	2,178 lbs., power unit	1,708 lbs., G-drive		
Length (power unit, G-drive)	75.0 inches, P.U.	57.5 inches, Gdrive		
Width	39.5 inches, P.U.	35.5 inches, Gdrive		
Height	89.1 inches, P.U.	56.4 inches, Gdrive		
Fuel type	NG/ wellhead/ LPG/ VPG			





### **Power Ratings**

50 Hz (1,500 RPM)				
Application	Fuel	kWe	kWm	bHP
Prime	NG	51	57	77
Prime	LPG/VPG	56	62	84
Standby	NG	57	63	85
Standby	LPG/VPG	62	69	93

60 Hz (1,800 RPM)					
Application	Fuel	kWe	kWm	bHP	
Prime	NG	57	63	85	
Prime	LPG/VPG	63	70	95	
Standby	NG	63	70	94	
Standby	LPG/VPG	70	78	105	

Weight, physical dimensions, and power ratings are for reference only. Final product data may differ slightly.

**NOTE:** kWe calculated using 90 percent alternator efficiency at 0.8 power factor.



Image shown is for illustration purposes only and may not be an exact representation of the final product.

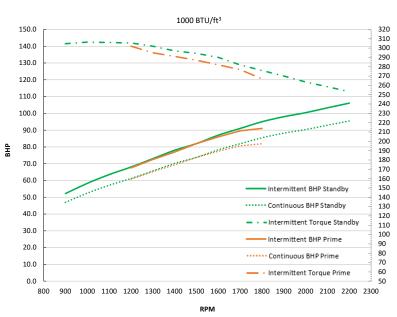
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#### Features

- EPA-certified stationary/nonroad mobile and emergency standby
- Prime certified operating fuels pipeline NG, LPG/VPG, and wellhead NG (700–1,600 BTU/ft<sup>3</sup>)
- Standby certified operating fuels pipeline NG, LPG/VPG
- · Single-piece cylinder head
- · Stellite valves and hardened seats
- Two valves per cylinder
- Integral oil cooler with twin filter and centrifuge filter
- Cast-iron block
- Forged steel, dynamically balanced and counterweighted crankshaft with hardened journals
- Woodward PG+ engine control system
- Standard canbus interface (SAE J1939)
- Telematics compatible
- Bi-fuel auto switching capable

#### **KP6 NA Performance Data**



ENGINE SPECIFICATIONS			
Number of main bearings	7		
Removable sleeves	Yes, standard		
Ignition system	ECM, smart coil, 6+1 cam		
Firing order	1-5-3-6-2-4		
Fuel system	ECM, EFR, bi-fuel capable (NG/LPG)		
AFR system	ECM, O <sub>2</sub> closed loop, integral 3-way catalyst		
Governor	ECM, L-Series actuator		
Operating speed range	Prime: 1,200–1,800 RPM Standby: 900–2,200 RPM		
Electrical system	12V standard/ 24V optional		
Air filter	Dry type		
Oil capacity	12 quarts (11.4 L)		
Oil cooler	Standard		
Coolant capacity	28 quarts (26.5 L)		
Fan	Suction or pusher		
Flywheel	SAE 11.5		

#### **KP6 NA Fuel Economy**

SAE 3

Flywheel housing

