

DUAL FUEL/GASOLINE & NATURAL GAS

4.0 Liter

For Industrial Application

ZPP 640



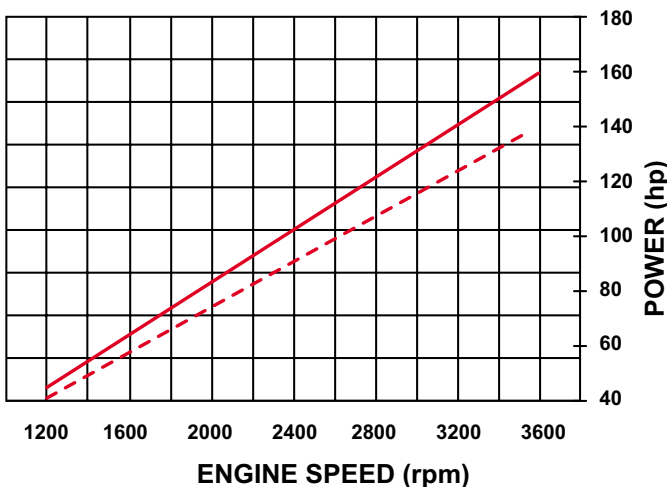
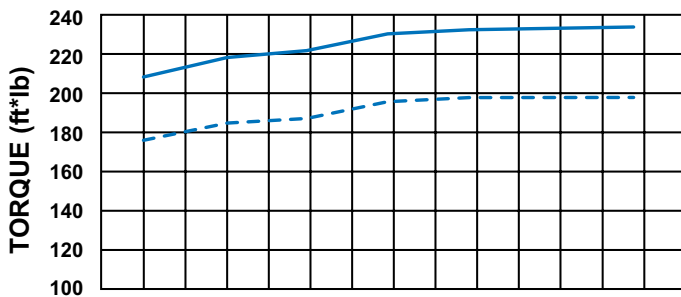
(Some parts optional)

SPECIFICATION DATA

Intermittent output (JIS 82 NET)	159 Hp/3,600 rpm
Continuous output (JIS 82 NET)	135 Hp/3,600 rpm
Peak torque (JIS 82 NET)	232 ft-lb/3,600 rpm
Fuel and type	LPG/NG mixer type
Engine configuration	6 in-line, 4 stroke
Combustion chamber	Dual-Quench
Bore x stroke	3.88 in x 3.41 in
Total piston displacement	242 cu in (4000 cc)
Compression ratio	8.8:1
Length x width x height	41.5 x 23.1 x 31.9
Dry weight*	lb

*Excl. ship loose parts.

PERFORMANCE CURVE



Curve 1; Intermittent Gross Output

This is the highest output obtainable at SAE standard ambient conditions from a basic engine equipped only with the built-in accessories essential to its operation. These levels may be only maintained for operating period of short duration.

Applications: Scissorlifts, Aerial platforms, Scrubber/sweepers, Utility vehicles, Construction equipment

Curve 2; Continuous Gross Output

This is the output which can be obtained at SAE standard ambient conditions from a basic engine, operating in a continuous duty mode.

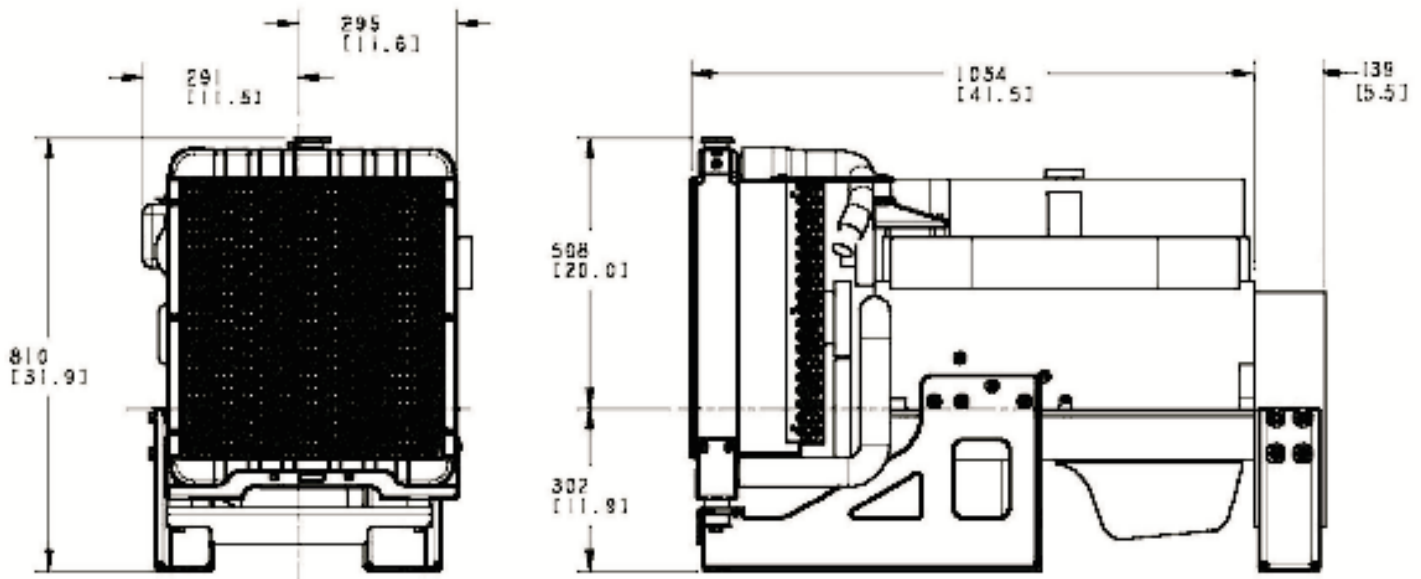
Applications: Generators, Welders, Water pumps, Air compressors, Carpet Cleaners, etc.

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ENGINE SPECIFICATIONS

GENERAL		PHYSICAL DATA	
Cylinders	6	Length	41.5 in / 1054 mm
Cylinder arrangement	Vertical in-line	Width	23.1 in / 586.0 mm
Bore	3.88 in / 98.4 mm	Height	31.9 in / 810.0 mm
Stroke	3.41 in / 86.7 mm	Weight	
Cylinder displacement	40.33 cu in / 666.6 cc	Oil capacity	6.0 qt / 5.7 L
Total displacement	242.0 cu in / 4000 cc	Optional SAE #3 housing available	
Compression ratio	8.8:1		
		ELECTRICAL	
FUEL SYSTEM		Starter motor	12 V - 1.9 hp (1.4 kW)
Low pressure NG		Alternator	12 V internal regulation
Low pressure LPG			50 amp min.
Fuel pressure	<5 in	DIS ignition	Computer controlled
Fuel lock-off	Electric type		
Electronic governor	Bosch	COOLING	
		Thermostat	195°F / 90.5°C



Design and specifications are subject to change without notice.

For further information, please contact:

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