

G-Drive Engine WP13 Series

General Specifications

Bore & Stroke	127x165 mm
Displacement	12.54 L
Cylinder Number	6
Compression Ratio	17:1
Fuel System	Mechanical Pump
Governor Method	Mechanic/Electronic
Aspiration	TA
Emission Standard	EU Stage II



Engine Speed	Engine Output		Typical Generator Output
	Prime(PRP)	Standby(ESP)	
RPM	kW	kW	kWe/kVA
1500	350	385	300/375

Engine Speed	Engine Output		Typical Generator Output
	Prime(PRP)	Standby(ESP)	
RPM	kW	kW	kWe/kVA
1800	350	385	300/375

Standard Equipment

Engine and block

- Cast iron frame style body structure
- One-piece forged crankshaft
- Split-cap forged steel connecting rods
- Separate cast-iron cylinder heads with 4 valves
- Replaceable dry cylinder liners
- Aluminium alloy pistons with oil cooling gallery

Cooling system

- Radiator and hoses supplied separately
- Thermostatically-controlled system with poly belt driven
- Coolant pump and pusher fan

Lubrication system

- Flat bottom large capacity oil pan (36 L)
- Spin-on full-flow lub oil filter

Optional Equipment

- Radiator for tropical environment (50°C)
- Shutoff solenoid mounted on the fuel pump
- Air heater for cold start
- Manual drawing off oil pump
- Immersion heater with thermostat
- Tool Kits

Fuel system

- P type fuel injection pump and injector for higher inject pressure
- Duplex fine filter and water separated filter assembly with the transparent cup

Air intake and exhaust system

- Mid-position and below inlet turbocharger optimized for industrial application
- Special rear mounted air filter with restriction indicator
- Silicone tubes and strong clips for pipe connecting
- Stainless steel exhaust manifold shield for heat isolation

Electrical system

- 24V electric starter motor and battery charging alternator
- Standard sensor connector

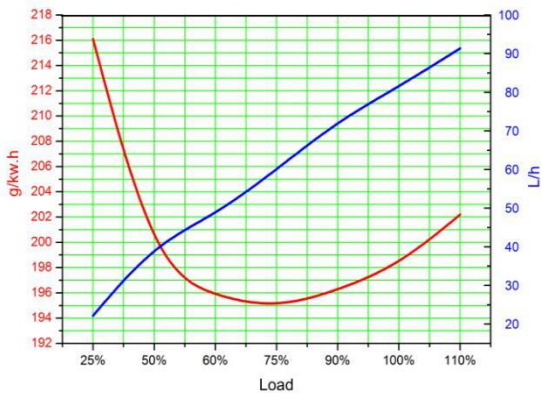
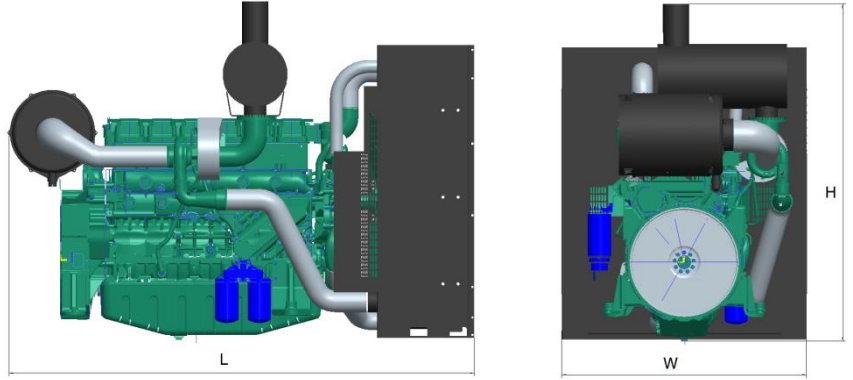
Flywheel and housing

- SAE1 flywheel housing and 14" flywheel

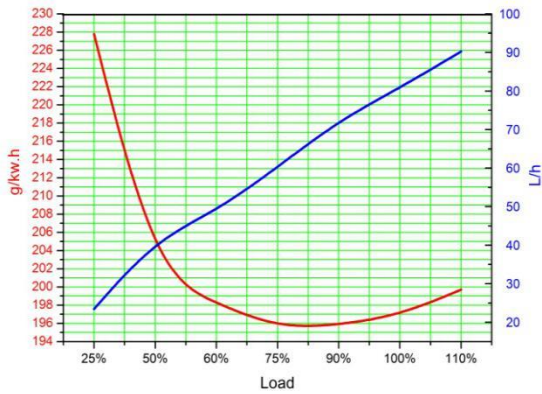
	Continuous Power(COP)	Prime Power(PRP)	Standby Power(ESP)
Mean engine load factor	100%	≤ 70% per 250 h	≤ 80% per 24 h
Annual working time	Unlimited	Unlimited	≤ 200 h
Time at full load	Unlimited(max. load ≤ 0.85PRP)	≤ 500 h per year	≤ 25 h per year
Overload capacity	No	1 h per 12 h(10% overload)	No

Dimensions and Weight

Length	2154 mm
Width	1133 mm
Height	1559 mm
Weight	960 kg



WP13D385E200-350kW/1500 rpm



WP13D385E201-350kW/1800rpm

Power definition

Standard ISO 3046/1 -1995(F)

Reference conditions

Ambiant temperature 25°C

Barometric pressure 100kPa

Relative humidity 30%

Fuel

Relative density 0.840±0.005

Lower calorific power 42 700 kJ/kg

Consumption tolerances ± 5 %

Lube oil

Recommend grade CF 15W/40