

G-Drive Engine WP6D152E200

General Specifications

Bore & Stroke	105x130 mm
Displacement	6.75 L
Cylinder Number	6
Compression Ratio	18:1
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	138	152	120/150

Engine Speed	Engine Output		Typical Generator Output
	Prime(PRP)	Standby(ESP)	
RPM	kW	kW	kWe/kVA
1800	144	158	120/150

Standard Equipment

Engine and block

- Cast iron gantry type structure block
- One-piece forged Crankshaft
- Separate cast iron cylinder heads and wet liners
- Aluminium alloy pistons with oil cooling gallery

Cooling system

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

Lubrication system

- Flat bottom large capacity oil pan (18L)
- Spin-on full-flow lub oil filter
- Special design connector for oil heater and drawing off oil pump

Fuel system

- P type fuel injection pump and injector for higher inject pressure
- Duplex fine filter and large capacity pre-filter for better efficiency

Air Intake and exhaust system

- Mid-position and below inlet turbocharger optimized for industrial application
- Special rear mounted air filter with restriction indicator
- High performance silencer as standard
- Stainless steel exhaust manifold shield for heat isolating

Electrical system

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

Flywheel and housing

- SAE3 flywheel housing and 11.5" flywheel

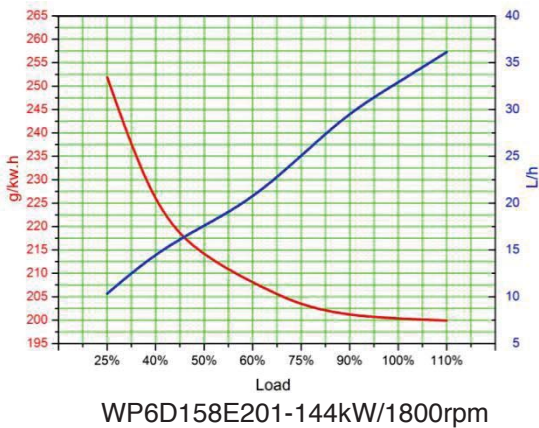
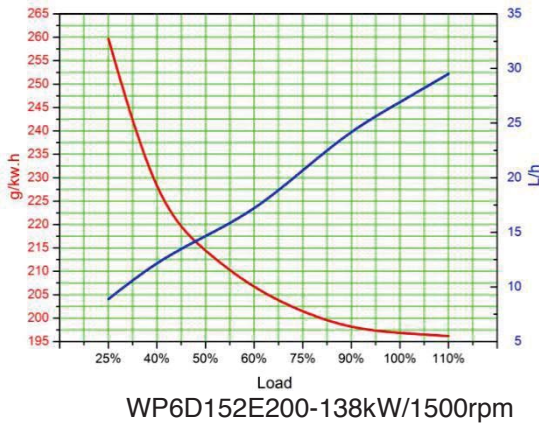
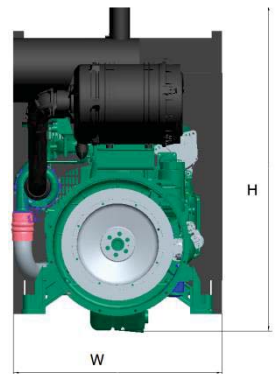
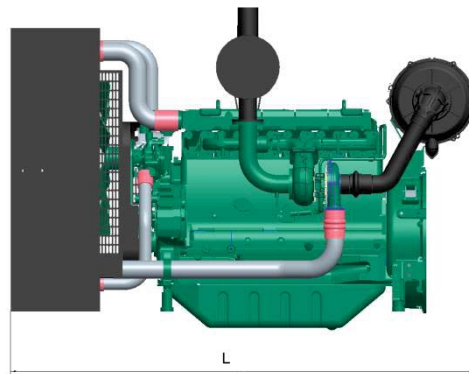
Optional Equipment

- Radiator for tropical environment (50°C)
- Shutoff solenoid mounted on the fuel pump
- Air heater for cold start
- Manual drawing off oil pump
- Tool Kits
- 12V electrical system

	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	1802 mm
Width	803 mm
Height	1264 mm
Weight	700 kg



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
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