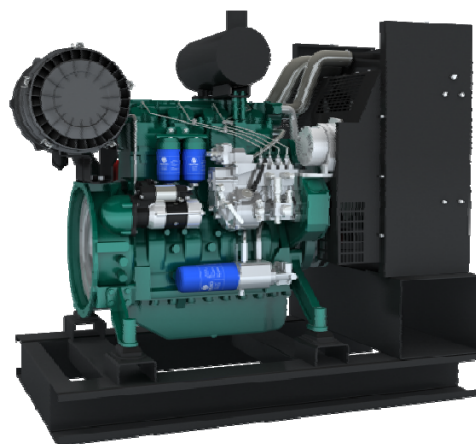


G-Drive Engine WP4 Series

General Specifications

Bore & Stroke	105x130 mm
Displacement	4.5 L
Cylinder Number	4
Compression Ratio	18:1
Fuel System	Mechanical Pump
Governor Method	Mechanic/Electronic
Aspiration	T/TA
Emission Standard	EU Stage II



Engine Speed	Engine Output		Typical Generator Output
	Prime(PRP)	Standby(ESP)	
RPM	kW	kW	kWe/kVA
1500	60	66	50/62.5
1500	90	100	80/100

Engine Speed	Engine Output		Typical Generator Output
	Prime(PRP)	Standby(ESP)	
RPM	kW	kW	kWe/kVA
1800	60	66	50/62.5
1800	90	100	80/100
1800	108	118	90/112.5

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 gallery oil cooling

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 (10 L)
- 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

- Top mounted turbocharger optimized for gen-set 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

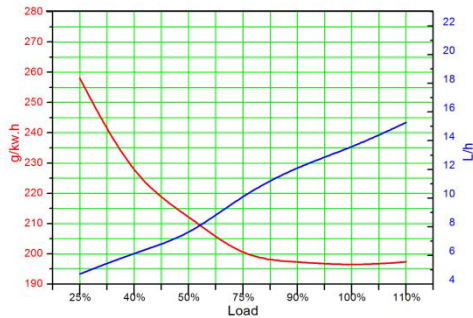
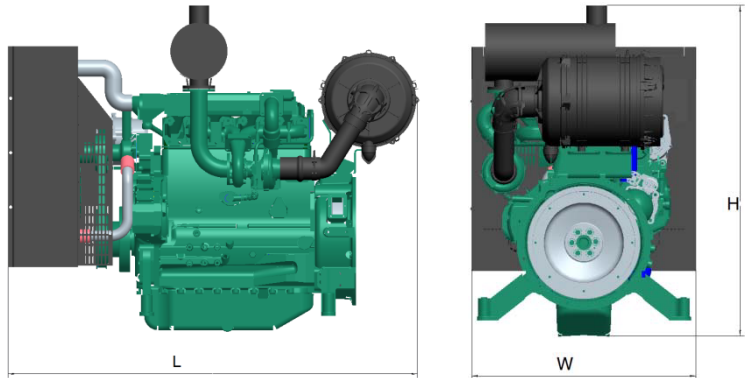
Optional Equipment

- 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

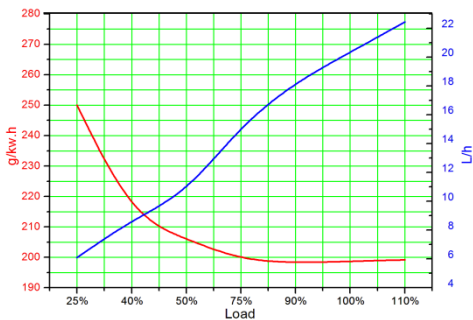
	Continuous Power(COP)	Prime Power(PRP)	Standby Power(ESP)
Mean engine load factor	100%	≤70% per 250 h	≤80% per 24 h
Annual working time	Unlimited	Unlimited	≤200 h
Time at full load	Unlimited(Max. load≤85% PRP)	≤500 h per year	≤25 h per year
Overload capacity	No	1 h per 12 h(10% overload)	No

Dimensions and Weight

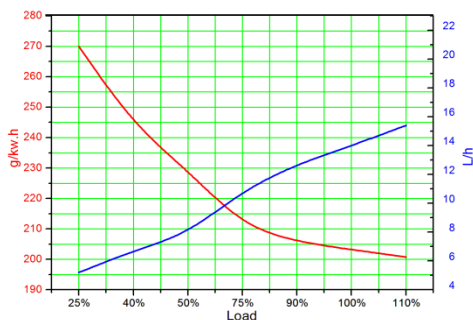
	T	TA
Length	1438 mm	1582 mm
Width	774 mm	764 mm
Height	1138 mm	1139 mm
Weight	550kg	570kg



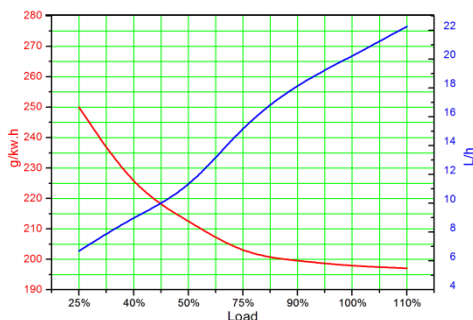
WP4D66E200-60kW/1500rpm



WP4D100E200-90kW/1500rpm



WP4D66E201-60kW/1800rpm



WP4D100E201-90kW/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
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Distributed By:

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www.weichai.com

