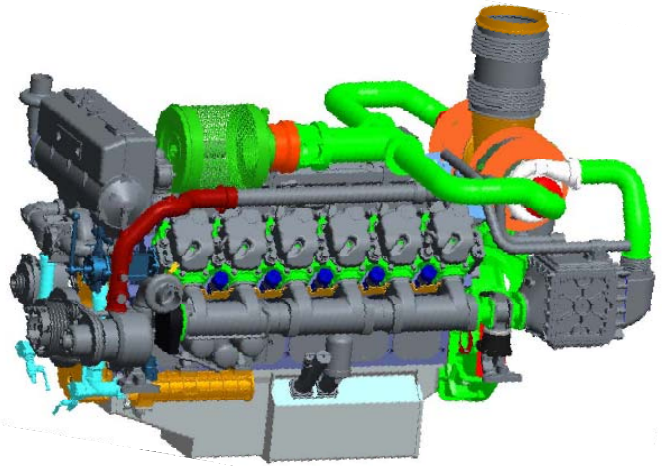


G-Drive Engine- 12M26NG Series

General Specifications

Bore & Stroke	150x150 mm
Displacement	31.8 L
Cylinder Number	12V
Compression Ratio	10.5:1
Fuel System	Proportional Mixing
Governor Method	ECU
Aspiration	TA
Emission Standard	EU Stage II



Engine Speed	Engine Output		Typical Generator Output
	Prime(PRP)	Standby(ESP)	
RPM	kW	kW	kWe/kVA
1500	570	627	500/625

Engine Speed	Engine Output		Typical Generator Output
	Prime(PRP)	Standby(ESP)	
RPM	kW	kW	kWe/kVA
1800	550	605	500/625
1800	660	726	600/750

Standard Equipment

Engine and block

- Cast iron cylinder block with inspection door per cylinder
- Cast iron wet cylinder liners
- Separate cast iron cylinder heads equipped with 4 valves
- Hardened steel forged crankshaft with induction hardened journals, crankpins and radius
- Lube oil cooled light alloy pistons with high performance piston rings

Cooling system

- Thermostatically-controlled system with belt driven coolant pump
- Special heat-exchanger cooler designed for CHP application

Lubrication system

- Full flow screwable oil filters
- Lube oil purifier with replaceable cartridge
- Fresh water cooled lube oil cooler
- Manual oil pump, pre-lubricate the engine and ensure good startability.

Fuel system

- Unique and patented mixing system to control air-fuel ratio and get better lean-burn combustion effect
- Weichai special Electronic Control Unit System to improve combustion efficiency
- High-reliability ignition plug and ignition wire system

Air intake and exhaust system

- Exhaust manifold and turbocharger shield for heat isolating
- Air filter and compressor pipe made in injection moulding
- Special air-water cooler for gas engine

Electrical system

- 24V electric starter motors and battery charging alternator

Flywheel and housing

- SAE 0 flywheel housing and 18" flywheel

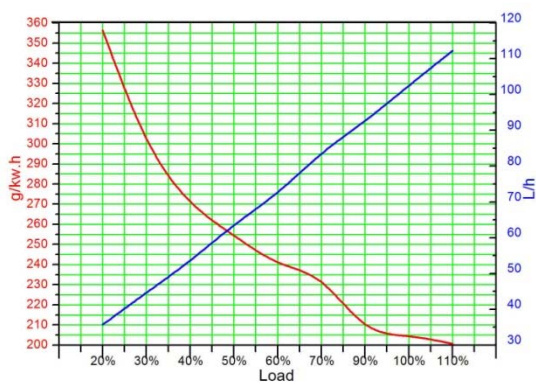
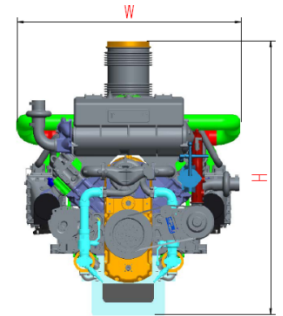
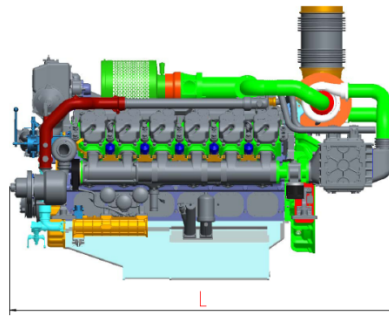
Optional Equipment

- Radiator for tropical environment (50°C)
- Immersion heater with thermostat
- Radiator and pusher fan structure
- Manual drawing off oil pump
- Tool Kits

	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	2567 mm
Width	1486 mm
Height	1808 mm
Weight	3400kg



12M26D627E200NG-570kW/1500rpm

Power definition

Standard ISO 3046/1 -1995(F)

Reference conditions

Ambiant temperature 25 °C

Barometric pressure 100 kPa

Relative humidity 30%

Lube oil

Recommend grade CD 15W/40

Distributed By:

Manufacturer: Weichai Power Co., Ltd
Address: 197 A, Fushou East Street, High-Tech
Development Zone, Weifang, China
www.weichai.com

