



MINLONG POWER

Diesel Generatorset

Genset model: **MLW 600KW**



Silent Type

Image for illustration purposes only.

Prime power	Standby Power	Voltage/Phase	Hz/rpm	PF
750 kVA/ 600kW	825 kVA/ 660 kW	220V , 1/3	60 / 1800	0.8

Diesel Generator Set

Engine Make /Model	WeiChai 6M33D740E311
Alternator Make /Model	Stamford, S5LD-H41
Control Panel	SmartGen, HGM6110
Circuit Breaker Type	3-pole manual circuit breaker
Battery	Maintenance free Lead Acid
Base Frame	Robust Structure/ Corrosion Resistant



WEICHAI Engine
Diesel Generatorset

Dimensions	Length(mm)	Width(mm)	Height(mm)	Weight(KG)
Silent Type	5800	2100	2550	7490

Lubrication System

Oil pressure @ Idle Speed	≥200 kPa
Oil Pan Capacity High / Low	36 / 61 L

Engine Specifications

Engine Make Model	WeiChai 6M33D740E311
No. of Cylinders	6-Cylinder;L-type
Cycle	4 Stroke
Aspiration	Turbocharged and intercooling
Fuel System	Direct injection type
Governing Type	Electronically controlled high pressure common rail
Displacement	19.6 L
Bore/Stroke	150 X 185 mm
Compression Ratio	15:1
Prime power	670 kW
Standby power	740 kW

Air System

Maximum Intake Air Restriction	
Dirty Filter Element	≤6.2 kPa
Clean Filter Element	≤3 kPa
Intake Air Flow @PRP	3855.8kg/h

Cooling System

Coolant Capacity - Engine Only	44 L
Thermostat Modulating Range	80 ± 2/92 °C

Comply with Standards

GB/T 2820.1~6-2009、GB/T 2820.8~10-2002、GB/T 2820.12-2002、JB/T 10303-2001 JB/T 2819-1995、JB8587-1997、ISO8528、ISO3046

Exhaust System

Exhaust Gas Flow@PRP(ESP)	4016.2 kg/h
Max. Exhaust Back Pressure	7.5 kPa
Exhaust Gas Temperature @PRP(ESP)	≤730 / 550°C
Exhaust Pipe Size	220 mm

Alternator Specifications

Alternator Make /Model	Stamford S5LD-H41
Capacity	750 KVA
Maximum overspeed	2250 RPM for two minutes
Excitation System	Self-Excited
Number of Poles	4
Number of Winding Leads	12
Type of Bearing	Single Bearing
Ingress Protection Rating	IP 23
Insulation Class -Temp Rise	Cont. H - 125/40 °C
Voltage Regulation	+/- 1%
Tel. influence TIF	< 50
Harmonic coefficient THF	< 2%



WeiChai
6M33D740E311



Stamford Alternator
S5LD-H41



SmartGen HGM6110
Controller

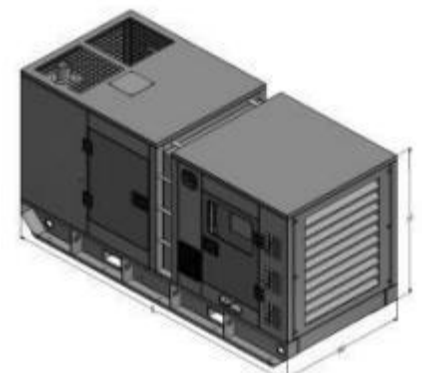
Controller Make&Model

SmartGen HGM6110

Display	Graphic Back-lit LCD (132x64) pixles
Communication	USB, RS485
Ingress Protection Rating	IP65
Binary Inputs/Outputs	4/ 4
Analog Inputs	3
Measurement	Vac, A, Hz, kVA, kW, Vdc
Event Log	Alarms log, Hrs log

Enclosure Type

Drainage	Fuel and Water Drainage Provision
Transportation	Lifting lugs & Forklift Pockets
Ingress Protection	IP 23
Base fuel tank capacity	1500 L
Canopy Color	Green(Standard), customizable
Noise level	85 db @ 7 mt



Optional parts		
Engine	Alternator	Electrical system
Intermediate cold water heater	Anti-condensation heater	Remote control system separated from unit
Oil preheater	Permanent magnet excitation system (PMG)	Unit control screen with three remote functions
Air starting motor	Voltage droop (for parallel connection)	ATS automatic load transfer screen
Heavy-duty air filter for Desert	Generators of other temperature rise grades	Fully automatic parallel screen for multiple units
Heavy duty secondary muffler	RTD temperature sensors, 2 per phase	Anti condensation heater
Fuel system	Other	Cooling system
Base fuel tank	Rainproof unit	Marine cooling system
Oil water separator	Silent type unit	Remote water tank
Fully automatic oil supply system	Trailer type unit	Split water tank
Buried fuel tank	Vehicle mounted power generation vehicle	Heat exchanger and external circulation cooling tower

Configuration List		
Engine		Silencers, bellows
Alternator		Battery
Common base		Flexible coupling
Value group		Accompanying tools
Local control cabinet		Accompanying documents

Sales Commitment

The products provided are all brand new, and each unit has undergone strict factory testing.

All products provide warranty services, with a warranty period of 12 months after the unit is debugged and accepted, or a total of 1000 hours of operation, whichever expires first.

Contact us

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