

## ■ Generator Specification

Service	PRP(1)	ESP(2)
Power (KVA)	563	625
Power (KW)	450	500
Rated speed	1500RPM	
Standard voltage	400/230V	
Power factor	0.8	
Phase	3	

Performance Data		
Model	<b>GPW563S5   GPW563D5</b>	
Engine brand	<b>WEICHAI</b>	
Engine model	6M33D572E200	
Speed control type	Electronic	
Alternator brand	<b>GENLITEC</b>	
Alternator model	S354G450	
Control system	<b>SMARTGEN HGM6120N</b>	
Starter motor voltage	24V	
Frequency	50Hz	
	100% Prime Load	122.7
Fuel	75% Prime Load	90.44
Consumption	50% Prime Load	60.57
(L/H)	25% Prime Load	32.25
	Fuel Tank (L)	950



GENLITEC Power gensets are compliant with ISO 9001 and CE standard, which include the following directives:

- 2006/42/EC Machinery directive
- 2014/30/EU Electromagnetic compatibility directive
- EN 12100:2010; EN ISO 8528-13:2016; EN 60204-1:2018; EN 61000-6-2:2019; EN 61000-6-4:2019
- **GPW563S5 (Silent Type)**
- **GPW563D5 (Open Type)**

### (1) PRP (Prime Power)

According to ISO 8528-1, prime power is the maximum power available during a variable power sequence, which may be run for an unlimited number of hours per year, between stated maintenance intervals. The permissible average power output during at 24 hours period shall not exceed 80% of the prime power. 10% overload available for governing purposes only.

### (2) ESP (Standby Power)

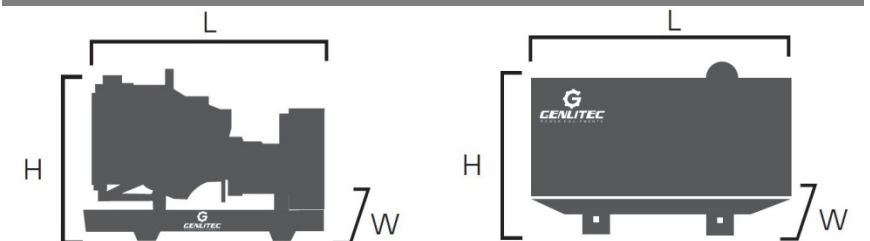
According to ISO 8528-1. It is defined as the maximum power available, under the agreed operating conditions, for which the generating set can deliver for up to 500 hours of operation per year (of which no more than 300 hours for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufactures. No overload capability is available.

Voltage (V)	ESP		PRP		Current Amps
	KVA	KW	KVA	KW	
415/240	625	500	563	450	783.3
400/230	625	500	563	450	812.6
380/220	625	500	563	450	855.4

### Standard Reference Conditions

Note: Standard reference condition 25°C (77°F) air inlet temp. 100m (328ft) A.S.L 30% relative humidity. Fuel consumption date with diesel fuel with specific gravity of 0.85 and conforming to BS 2869: 1998 Class A2

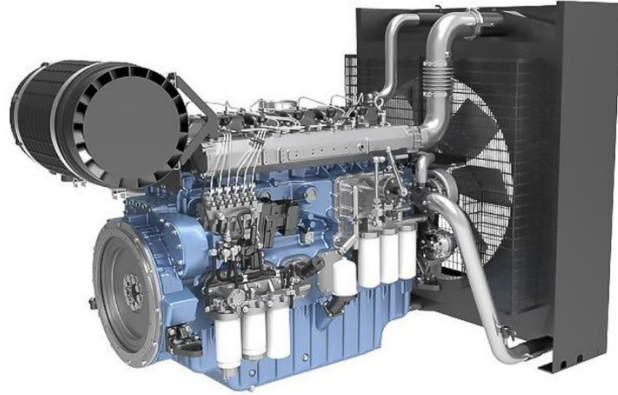
### Dimension & Weight



Dimension	Open type	Silent type
Length (L)	3450mm	5450mm
Width (W)	1600mm	1800mm
Height (H)	2080mm	2500mm
Net Weight	4330kg	6280kg

**Note: This parameter allows for some acceptable deviations.**

## ■ Engine Specification



### MODEL: WEICHAI 6M33D572E200

Cylinder number	6
Aspiration system	Turbo & aftercooled
Cooling method	Water cooled
Governor type	Electronic
Bore x Stroke (mm)	150x185
Compression ratio	15.0:1
Rated speed (RPM)	1500
Displacement (L)	19.6
Rated power (KW)	520
Standby power (KW)	572
Injection	50°C
Coolant capacity (L)	43.93(engine only)
Oil capacity (L)	36/61 (Low/High)
Fuel system	Mechanical pump
Starter motor capacity	DC 24V

## ■ Alternator Specification



### MODEL: GENLITEMC S354G450

Number of phase	3
Rated power (KW/KVA)	450/563
Frequency (Hz)	50
Power factor (Cos Phi)	0.8
Poles	4
Temp. rise	125K
Terminals	6/12
Insulation type	H class
Ambient temp.	40°C
IP rating	IP23
Excitation system	Self-excited
Bearing	Single bearing
Coating	Vacuum impregnation
Voltage regulator	A.V.R
Coupling	Flexible disc

### Standard Supply Scope

- Industrial exhaust silencer
- Maintenance free battery
- Water cooling radiator
- A.V.R
- Flexible pipes
- Battery wires
- Wiring diagram
- Build-in based fuel tank
- Float Battery charger
- Manual books
- Tool kits
- Emergency stop button
- Base frame
- Digital control panel
- Main circuit breaker

## ■ Optional Supply Scope

Engine	Alternator	Generator Sets	Control Panel
<ul style="list-style-type: none"> <li>○ Water jacket pre-heater</li> <li>○ Lubrication oil pre-heater</li> <li>○ Battery isolator</li> </ul>	<ul style="list-style-type: none"> <li>○ Anti-condensation heater</li> <li>○ PMG</li> <li>○ <b>STAMFORD</b> alternator</li> <li>○ <b>LEROY SOMER</b> alternator</li> </ul>	<ul style="list-style-type: none"> <li>○ Extended fuel tank 12h/24h/72h</li> <li>○ Trailer mounted</li> </ul>	<ul style="list-style-type: none"> <li>○ Remote control system</li> <li>○ Build-in/External ATS</li> <li>○ Synchronizing System</li> <li>○ Power output sockets</li> </ul>

## ■ Warranty Period

**WEICHAI diesel engine:** 12 months or 1000 working hours.

**STAMFORD/LEROY SOMER alternator:** Global warranty, 12 months or 1000 working hours.

**GENLITEMC alternator:** Factory warranty, 12 months or 1000 working hours.

**DEEPSEA control module:** Factory warranty, 12 months or 1000 working hours.

## Control Panel

### Configuration

- Emergency stop button
- Protection MCB (Main circuit breaker)
- Float battery charger
- ATS connection
- AMF digital control module
- Fuel level meter
- Controller power switch
- Alarm buzzer

### Features

- Chinese, English, Spanish, Turkish, Russian & French
- Three phase generator monitoring
- Automatic or manual start/stop of the gensets
- Push buttons for simple control & operation
- Generator measurements (50Hz/60Hz)
- Precision collect & display parameters about ENGINE
- Comprehensive shutdown or warning on fault condition
- Three phase generator protections
  - Over / under voltage
  - Over / under frequency
  - Current / voltage asymmetry
  - Over current / overload
- Three phase AMF function
  - Over / under voltage
  - Loss of phase detection function
- Emergency start function
- IP55 waterproof with rubber-ring gasket



### Control Module Model: SMARTGEN HGM6120N

Display	LCD (132 x 64)
Operation panel	Silicon rubber
Digital input	5
Relay output	6
Analogue input	3
AMF	Yes
AC System	1P2W / 2P3W / 3P3W / 3P4W
Alternator voltage	15-360V (ph-N)
Alternator frequency	50/60Hz
KW/Amp Detecting & Display	Yes
Monitor interface	USB
Programmable interface	USB
DC supply	DC 8-35V
Operating temp.	-25 ~ +70°C

## Controller Module Options

COMAP	DEIF	DEESEA
AMF25	SGC 420	DSE7320
		

