

# Model: GPC375D5 | GPC375S5

Powered by CUMMINS 6ZTAA13-G3



## Generator Specification

Service	PRP(1)	ESP(2)
Power (KVA)	375	413
Power (KW)	300	330
Rated speed	1500RPM	
Standard voltage	400/230V	
Power factor	0.8	
Phase	3	

Performance Data		
Model	GPC375D5   GPC375S5	
Engine brand	CUMMINS	
Engine model	6ZTAA13-G3	
Speed control type	GAC Electronic	
Alternator brand	LEROY SOMER	
Alternator model	TAL-A47-A	
Control system	SMARTGEN HGM6120N	
Starter motor voltage	24V	
Frequency	50Hz	
Fuel Consumption (L/H)	100% Prime Load	76.5
	75% Prime Load	56.5
	50% Prime Load	38.0
	25% Prime Load	20.9



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

- 2006/42/EC Machinery safety.
- 2006/95/EC Low voltage
- EN 60204-1: 2006+A1: 2009, EN ISO 12100: 2010, EN ISO 13849-1:2008, EN 12601: 2010

### (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)

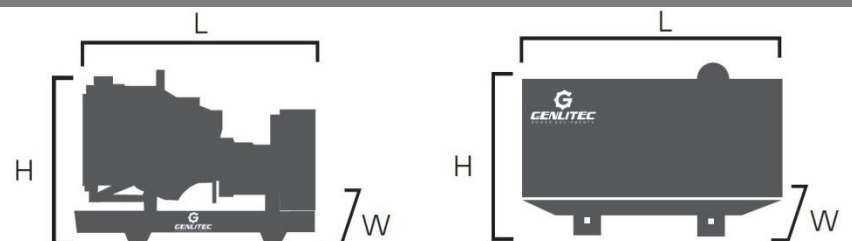
According to ISO 8528-1. It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 hours of operation per year (of which no more than 300 hours for continuative use) with the maintenance intervals and procedures 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	413	330	375	300	521.7
400/230	413	330	375	300	541.3
380/220	413	330	375	300	569.8

### 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)	3250mm	4280mm
Width (W)	1200mm	1450mm
Height (H)	1850mm	2250mm
Net Weight	3600kg	4500kg

Note: This parameters allows for some acceptable deviations.

■ **Engine Specification**



MODEL: CUMMINS 6ZTAA13-G3	
Cylinder number	6
Aspiration system	Turbo, Air/Air cooling
Cooling method	Water cooled
Governor type	GAC Electronic
Bore x Stroke (mm)	130x163
Compression ratio	17:1
Rated speed (RPM)	1500
Displacement (L)	13
Rated power (KW)	340
Standby power (KW)	380
Oil consumption (g/kw.h)	≤4
Coolant capacity (L)	23.1 (Engine only)
Oil capacity (L)	45.42
Fuel system	PD pump
Starter motor capacity	DC 24V – 35A

■ **Alternator Specification**



MODEL: LEROY SOMER TAL-A47-A	
Number of phase	3
Rated power (KW/KVA)	300/375
Frequency (Hz)	50
Power factor (Cos Phi)	0.8
Poles	4
Temp. rise	125K
Terminals	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
○ Water jacket pre-heater	○ Anti-condensation heater	○ Extended fuel tank 12h/24h/72h	○ Remote control system
○ Lubrication oil pre-heater	○ PMG	○ Soundproof canopy	○ Build-in/External ATS
○ Battery isolator		○ Trailer mounted	○ Synchronizing System
		○ 20GP containerized canopy	○ Power output sockets

## 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 language
- 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 HGM6120

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

AMF25



DEESEA

DSE6020



DEESEA

DSE7320

