

Model: GQC10D6-1P | GQC10S6-1P

Powered by YANGDONG



Generator Specification

Service	PRP(1)	ESP(2)
Power (KVA)	10	11
Power (KW)	10	11
Rated speed	1800RPM	
Standard voltage	220V,230V,240V	
Power factor	1.0	
Phase	Single	



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 KVA	ESP KW	PRP KVA	PRP KW	Current Amps
240	11	11	10	10	41.7
230	11	11	10	10	43.5
220	11	11	10	10	45.5

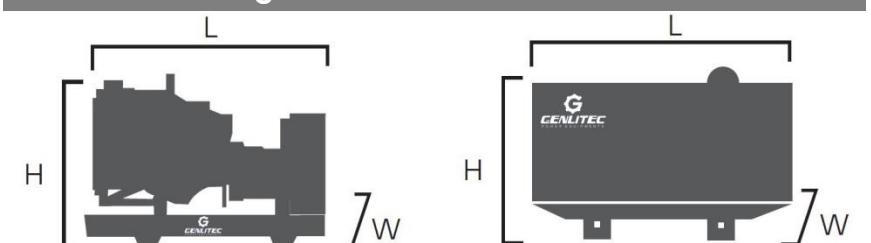
Performance Data

Model	GQC10D6-1P GQC10S6-1P	
Engine brand	QUANCHAI	
Engine model	QC385D	
Speed control type	Mechanical	
Alternator brand	GENLITEC	
Alternator model	S164G8.8	
Control system	SMARTGEN HGM6120N	
Starter motor voltage	12V	
Frequency	60Hz	
Fuel Consumption (L/H)	100% Prime Load	2.7
	75% Prime Load	2.1
	50% Prime Load	1.5
	25% Prime Load	1.1

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

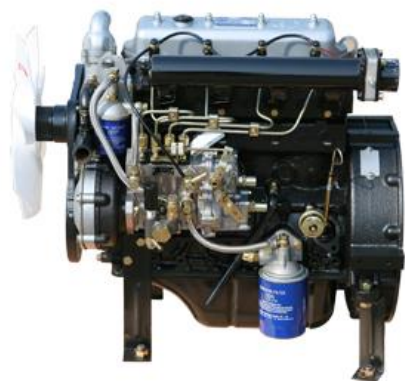
Dimension & Weight



Dimension	Open type	Silent type
Length (L)	1400mm	1850mm
Width (W)	750mm	850mm
Height (H)	950mm	1000mm
Net Weight	550kg	650kg

Note: This parameters allows for some acceptable deviations.

■ Engine Specification



MODEL: QUANCHAI QC385D

Cylinder number	3
Aspiration system	Natural
Cooling method	Water cooled
Governor type	Mechanical
Bore x Stroke (mm)	85x90
Compression ratio	18:1
Rated speed (RPM)	1500
Displacement (L)	1.532
Rated power (KW)	12
Standby power (KW)	13.2
Firing order	1-3-4-2
Steady state speed regulation (%)	≤5
Oil capacity (L)	4
Fuel consumption (g/kw.h)	≤250.5
Starter motor capacity	DC 12V

■ Alternator Specification



MODEL: GENLITEC S164G8.8

Number of phase	Single
Rated power (KW)	10.6
Frequency (Hz)	60
Power factor (Cos Phi)	1.0
Poles	2
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 | ● Flexible pipes | ● Float Battery charger | ● Base frame |
| ● Maintenance free battery | ● Battery wires | ● Manual books | ● Digital control panel |
| ● Water cooling radiator | ● Wiring diagram | ● Tool kits | ● Main circuit breaker |
| ● A.V.R | ● Build-in based fuel tank | ● Emergency stop button | |

■ Optional Supply Scope

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

AMF25



COMAP

DSE6020



DEEPSEA

DSE7320

