

# GORAN GENERATOR

## KGC455 GENSET

Generating Set Powered By



**STAMFORD**



### Output Ratings

Generating Set Model	Prime Power	Standby Power
1500rpm, 50 Hz / 400V	364KWe / 455KVA	400KWe / 500KVA
1800rpm, 60 Hz / 440V	400KWe / 500KVA	440KWe / 550KVA

### Genset Specifications

Engine Make & Model	Cummins QSZ13G5
Origin	China
Alternator Type	Stamford HCI544C
Control Panel	Deap Sea - 7310
Circuit Breaker Type	3 Pole MCB
Water Cooling System	
Electronic Governor	
Emission Compliant	

### Fuel System

	%50	%75	%100
1500rpm, 50 Hz	49	70	93
1800rpm, 60Hz	54	81	107

\*Prime Power (l/hr)

### International Standards

Engine confirm to ISO 9001:2000, ISO 14001, ISO 10054, ISO 3046, BS 5514, DIN 6271. Alternator confirm to ISO 9001, ISO 14001, BS EN 60034, BS 5000, VDE 0530, NEMA MG32-I, IEC34 CSA C-22.2100, AS 1359, BS 1 6861, B En -6-610002:2001



### RATING GUIDELINES

**PRIME POWER** rating corresponds to ISO Standard Power for continuous operation. It is applicable for supplying electrical power at variable load for an unlimited number of hours instead of commercially purchased power. A10 % overload capability for governing purpose is available for this rating.

**MAXIMUM STANDBY POWER** rating corresponds to ISO Standard Fuel Stop Power. It is applicable for supplying standby electrical power at variable load in areas with well established electrical networks in the event of normal utility power failure. No overload capability is available for this rating.  $1 \text{ hp} = 1 \text{ kW} \times 1.36$

### Engine Technical Data

No. of Cylinders / Alignment	6/ In Line
Cycle	4 - Stroke
Aspiration	Turbocharged
Injection	Direct
Bore, mm	130
Stroke, mm	163
Displacement, l	13
Compression Ratio	17.0:1
Starting	24V Electric
Alternators, Amps	24V/35A

### Alternator Technical Data

No. of Bearings	Single Bearing
Insulation System	Class H
Excitation	Self Excited
Voltage Regulator	AS440
Protection	IP23
Temperature Rise, °C	125
Regulation	%1.0±
No. of Phases	3
No. of Poles	4

### Dimensions & Weights

Length(m)	Width(m)	Height(m)	Weight(kg)	Tank Capacity(L)
3.24	1.13	2.0	3100	380



