



# KGC500 GENSET

Generating Set Powered By



**STAMFORD**

## Performances 1500rpm 1800rpm

**Alternator Efficiency** %94.3 %94.6

### Engine Power

Prime Power, KWm(hp) 571(426) 513(383)  
Standby Power, KWm(hp) 639(477) 561(419)

### Alternator

Prime Power, KWe 440 475

## Lubrication System 1500rpm 1800rpm

**Oil Consumption (l/hr)** 0.03 0.03

**Oil Sump Capacity, l** 83

**Oil System Capacity Include Filters, l** 91

## Cooling System 1500rpm 1800rpm

**Heat Radiation from Engine and Alternator, Power KW** 40 36

**Heat Rejection to Coolant and Lube Oil at Standby Power, KW** 167 130

**Radiator Cooling Air Flow, m<sup>3</sup>/s** 11.8 11.8

**Coolant Capacity, l** 66

## Intake & Exhaust System 1500rpm 1800rpm

**Air Flow Combustion at Standby Power, m<sup>3</sup>/min(cfm)** 1280(36.3) 1290(36.48)

**Heat Rejection Exhaust at Standby Power, KW** 390 329

**Exhaust Gas Temperature at Standby °C** 515 443

**Max Allowable Back Pressure in Exhaust Line, Kpa** 10 10

**Exhaust Gas Flow at Standby Power, m<sup>3</sup>/min(cfm)** 2900(82.2) 3200(90.6)

## Accessories

**Oil Drain Pump** **Anti-Vibration Pads**

**Stainless Steel Flexible** **Genuine Oil**

**Oil (VDS40/15 3)** **Genuine Coolant**

**Coolant 'Ready Mix'** **Fuel Tank Base Frame for 8hrs**

**Standard Silencer**

## Control Panel Readings

- AC volts, AC currents, DC volts, frequency, rpm, hour counter, power factor.
- Low oil pressure, high water temperature, boost pressure and temperature, KW, KWh, KVA, KVAR
- Oil pressure, low oil level, high oil temperature
- DC alternator failure, over speed, over crank (Fail to start), over under voltage, over under current, any sensor failure
- Low coolant level - Configurable inputs&outputs
- Upgradable for GSM network connection, Signal SMS messages.

## Optional Equipment

### • Engine

- Coolant heater
- Oversize batteries
- Extra fuel pre-filter water separator
- Battery Disconnect Switch
- Electrical Governor

### • Alternator

- Excitation Boost System (EBS)
- Upgrade to 3 phase sensing AVR
- Qadrature droop kit
- Anti-condensation heater
- Air inlet filters

### • General

- Upgrade to modular controller for paralleling
- Upgrade to 4 pole circuit breaker
- Battery charger
- Automatic transfer switch
- Fuel level switch High / Low for alarm and control
- Fuel transfer pump Automatic / Manual
- Residential grade silencer
- Weather protective and acoustic enclosure.

## Spare Parts Kit (Optional)

## Genuine - Cummins

Oil filter (1)  
Fuel filter (1)  
Air filter (1)  
Fan belt set (1)  
Coolant filter (1)

## General Information

### Documentation

Engine instruction book-English  
Alternator manual- English  
Wiring diagram

### Warranty

One year or 1000 thousand hours whichever elapsed first against all defects in material / or workmanship, subject to the terms and conditions of the Manufacturer's warranty.

# GORAN

GENERATOR

✉ gorangenerator@gorangroup.com

🏠 Iraq-Erbil-60M str.

☎ 07504483162 - 07704483162

🌐 www.gorangroup.com