	Googol Power-Tech Co.，Ltd.	Engine Model: QTA4320-G3	Engine Application: Generator
	Phoenix Lake Industrial Park, Yong chuan, Chongqing City, China		
	Tel: 86-23-49682222, Fax: 86-23-49683222	Engine Prime Power: 1776 KW	RPM: 1500
	5820 Central Ave，Unit 230, Riverside CA92504，U.S.A		
	Tel：1-909-7436092 Fax：1-909-9392093	Engine Standby Power: 1988 KW	Publication Date: 03-01-2015

Specifications:

Engine Model		**QTA4320-G3**
Speed	rpm	1500
Rating Output		
Standby Output （LTP)	kW	1988
Prime Output (PRP)	kW	1776
Engine Continuous Power (COP)	kW	1510
Fan Quantity		1
Fan Reduction	kW	80.0
Single Fan Reduction	kW	80.0
All Fans Reduction	kW	80.0
Engine Net Standby Output （LTP)	kW	1908
Engine Net Prime Output （PRP)	kW	1696
Engine Net Continuous Output （COP)	kW	1430
BMEP for Standby Output	bar	22.13
BMEP for Prime Output	bar	19.78
BMEP for Continuous Output	bar	16.94
Typical Generation Standby Output	kW	1800
Typical Generation Prime Output	kW	1600
Typical Generation Continuous Output	kW	1360
Max. step load acceptance, 1st step（% Prime Output）		42%
Basic Performance Datasheet		
Aspiration Type		Turbocharger, air-water aftercooler
Injection Type		Direct Injection
Configuration		Vee
No. of Cylinders		16
Displacement	l	70.8
Bore	mm	170
Stroke	mm	195
Compression Ratio		13.5:1
Piston Speed	m/s	9.75
Rotation Direction (from flywheel)		Counter Clockwise

Number of Flywheel Teeth		218
Flywheel House Size		SAE00-21
Lubrication System		
Lube Oil Specification		API-CF4
Oil Capacity	l	240
Max. Permissible Oil Temperature	°C	110
Oil Pressure Warning	kPa	300
Oil Pressure Shutdown	kPa	200
Cooling System		
Coolant Capacity for Engine	l	140
Max. Permissible Temperature	°C	90
Max. Coolant Warning Temperature	°C	95
Max. Coolant Shutdown Temperature	°C	98
Thermostat Open Temperature	°C	71
Radiator Cooling Flow	m³/min	3000
Flow of Cylinder liner Coolant pump	m³/h	80
Flow of aftercooler Coolant pump	m³/h	75
Heat dissipation (engine radiator)	kW	601
Heat dissipation (CAC)	kW	342
Heat dissipation (convection)	kW	102
Mode of Radiator(Aluminium core，40℃ environment's temp）		6400800
Mode of Radiator(Aluminium core，50℃ environment's temp）		6500800
Mode of Radiator(Aluminium core，45℃ environment's temp）		6450800
Fuel System		
Governor Type		Electrical
Engine Output at genset prime output	kW	1776
Fuel Consumption at 25% of genset prime output	l/h	128.34
Fuel Consumption at 50% of genset prime output	l/h	213.90
Fuel Consumption at 75% of genset prime output	l/h	305.72
Fuel Consumption at 100% ofgenset prime output	l/h	403.59
Lowest Fuel Consumption Ratio	g/kW.hr	189.75
Intake & Exhaust System（On Standby Output）		
Combustion Air Consumption	m³/min	198.80
Max. Intake Restriction	KPa	2
Exhaust Temperature (Before Turbo)	°C	655
Exhaust Temperature (After Turbo)	°C	530
Max. Exhaust Back Pressure	KPa	2
Exhaust Gas Flow	m³/min	497.00
Turbo Bellows Diameter	mm	DN250
Exhaust Flange Diameter	mm	DN250
Electrical System		
Charging Alternator Voltage	V	28
Charging Alternator Capacity	A	55
Starting Voltage	V	24
Starting Motor Capacity	kW	2*13
Minimum Battery Capacity	Ah	4*200
Engine Dimension		
Length	mm	3596
Width	mm	1459

Height	mm	1820
Engine Dry Weight w/o Cooling System	kg	6250

1: All engine parameters are in accordance with ISO3046, ISO8528.

2: All engine parameters are based on 25°C / 100kPa environment condition.

3: No power decrease with below 40ºC environment temperature and 1500 meter altitude.

4: More than 40ºCand 1500m above sea level , decrease 2% per 10ºC , and 4% per 300m.

5: At calorific value 42700 kJ/kg + 5%, density 0,835 kg/dm3 , temperature 280 K.

6: Above data is only the testing data in our laboratory, it can't used to be the data on all contract.

Picture of Googol QTA4320-G3 Diesel Engine.