

General Feature:

- ◆ Assembled diesel engine and alternator.
- ◆ filters as standard, fuel and water separator as optional.
- ◆ Radiator and fan with safety guard.
- ◆ Single bearing alternator IP 23, Insulation Class H.
- ◆ Heavy duty steel as base frame and operation base fuel tank.
- ◆ Automatic control panel and 3 poles circuit breaker, internal cables.
- ◆ 12V or 24V battery, battery wires.
- ◆ Battery charger and float battery charger as standard supply scope.
- ◆ Optional soundproof canopy, ATS, synchronization panel, movable trailers



Genset Main technical data

Gen. Version	Open Type	Containerized
Genset Model	STG-C2750	STG-C2750L
Standby power	2200kw / 2750kva	
Prime power	2000kw / 2500kva	
Frequency/speed	50Hz / 1500r.p.m	
Rated Voltage	400V	
Max. Ampere	3960A	
Rated Current	3600A	

Standards Reference

PRP: Prime Power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO8528-1. A 10% overload capability is available for a period of 1 hour within 12-hour period of operation. In accordance with ISO 3046-1.

ESP: The Standby Power Rating is applicable for supplying emergency power in variable load applications for up to 200 hours per year in accordance with ISO8528-1. Overload is not allowed.

A/AMP: Rated Current is Ampere will be flexible if performance by load test, it's depended on Power factor that is shown on load in LCD screen display panel. [0.8p.f - 0.99p.f - ≤ 1.0p.f]. On load Amperes is not based, the specific standard report base on load as (KW)@PRP.

ENGINE

Engine on rigid common bed is designed to have following characteristics.

ENGINE DATA	CUMMINS	
■ Engine Model	QSK60-G23	
■ Aspiration / Arrangement	Turbocharged; after-cooled	
■ Fuel system	Cummins MCRS	
■ Arrangement	Water-cooled 60° Vee	
■ No Cylinder	16	
■ Displacement	L	60.2
■ Bore*Stroke	mm	159*190
■ Compression ratio	14.7:1	
■ Rated speed	r.p.m	1500
■ Rated net power with fan	Kw	2157
■ Governor type	ECM	
■ Start Motor	V	24

- Engines with advanced design, reliable performance, durable operation.
- Alloy-steel and connecting steel-lever, high durability.
- High combustion efficiency and low fuel consumption, work continuously.
- Direct Injection technology, low cost, completely combustion.

Note: All data sheets are for reference only and subject to change without prior notice

CUMMINS SERIES

Specification Data Sheet



Exhaust System

Exhaust gas flow	L/s	6753
Exhaust gas temp.	°C	480
Max back pressure	kPa	6.8

Fuel System

Consumption 100%	L/h; (@ESP)	551.3
Consumption 100%	L/h; (@PRP)	496.2
Consumption 75%	L/h; (@PRP)	404.5
Consumption 50%	L/h; (@PRP)	284.9

Cooling System

Cooling Capacity	L	159
Thermostat operation rage	°C	82-93
Oil pressure	°C	104

Aspiration System

Max inlet pressure	kPa	6.23
Combustion	m³/min	164
Intake Air flow	L/s	2730

Lubrication System

Oil Capacity	L	397
Oil Consumption	g/kwh	0.85
Oil pressure	kPa	414-483

Dimensions and Weights

Genset. Type	Open	40HQX
Length (mm)	6900	TBX
Width (mm)	2770	TBX
Height (mm)	3305	TBX
Weight (kg)	23500	34650
Fuel tank (Liters)	-	3000L

ALTERNATOR

Alternator on rigid common bed is designed to have following characteristics.

ALTERNATOR DATA		LEROY SOMER
■ Alternator Model		LSA 52.3 L12
■ Phase No.		3
■ Enclose / Protection Grade		IP23
■ Bearing		1
■ Power factor	P.F	0.8
■ Frequency	Hertz	50
■ Coupling		Direct
■ Exciter	Type	AREP+PMI
■ Voltage regulator	Type	AVR
■ Insulation grade	Class	H/H
■ Altitude	m	≤1000



More Information

Contact your local dealer for more information regarding of Diesel Generator and optional equipment or visit: www.satoshipowergroup.com.

**SATOSHI POWER > DIESEL
GENERATOR
SET**

CONTROL PANEL

Controller is designed to have following characteristics.

DSE7320

Auto Mains (Utility) Failure Control Module.

The **DSE7320** is a powerful, new generation Auto Mains (Utility) Failure genset control module with a highly sophisticated level of new features and functions.



Protection function

- Two sets of protection parameters can be preset
- Normal alarm, electrical trip and shutdown alarm can be set to effectively monitor the engine speed, oil pressure, water temperature and oil level, as well as the frequency, voltage, current and power of the alternator, for complete engine/alternator protection
- Low Oil Pressure
- High water Temperature
- High voltage and low voltage
- Overspeed
- Emergency stop
- Fail to start

Main Features

- Multi language display
- Mains failure self-starting
- The running time of the engine can be recorded to facilitate the maintenance and repair of the unit
- User-friendly set-up and button layout
- LCD display can display multiple parameters at the same time
- Support EFI engine
- IP65 rating (with optional gasket)
- PC and front panel configuration
- 100 event records
- Data recording and trend analysis

Key Features

- Auto start/stop, load transfer and alarming of generator
- Remote start on or off load
- With hierarchical loading function
- Multiple start/stop cycles can be preset
- 3 phase generator and mains voltage monitoring.
- Generator/load power detection (kW, kVA, kVA PF)
- Overload protection (kW)
- Load current monitoring and protection
- Engine speed protection
- Engine pre-heat
- Engine start idle & stop idle
- Battery voltage monitoring
- Start under the low battery
- 4 active outputs
- 4 digital inputs and 3 analogue inputs.
- 6 Custom digital input
- 6 outputs (4 configurable on magnetic pick-up, 6 configurable on Can bus version)
- DSE2130, DSE2157, DSE2548 expansion module can be connected
- Support 0--10V or 4-20mA oil pressure sensor.

Standard feature

- Engine: Diesel engine
- Radiator 50°C max, fans are driven by belt
- 24V charge alternator
- Alternator: single bearing alternator IP23, insulation class H/H
- Standard auto control system
- One set of air filter, fuel filter, oil filter
- Main line circuit breaker
- Base fuel tank
- Batteries, rac and cable
- Exhaust system (Ripple flex exhaust pipe, exhaust siphon, flange, muffler).
- Battery Charger

Optional feature

- Engine heater
- Alternator heater
- PMG
- Water oil separator
- Daily fuel tank
- Remote control panel
- Automatic transfer switch/ATS Built-in
- Synchronized parallel built- in
- Switch box

More information, pls refer to our web-site: www.satoshipowergroup.com

Manufacturer reserves the right to make changing in model, technical specification, color, equipment and accessories without notice.