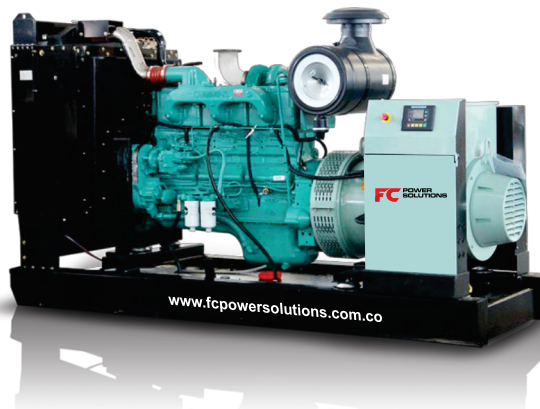


TC500LS-1**60Hz POWERED BY CUMMINS SERIES****TECHNICAL SPECIFICATIONS****DIESEL GENERATING SET 208/120V-60Hz-3Phase**

Model	TC500LS-1	
Power(ESP)	kVA/kW	500/400
Power(PRP)	kVA/kW	475/380
Starter Voltage	V	24
Rated Current	A	1388
Rated rotation speed	r/min	1800
Power Factor		0.8
Fuel Consumption	L/hour	104.1L / h
Fuel Tank Capacity	L	Open Type : 607/ Silent Type: 919
Noise level	dB(A)@7m	Silent Type:

WEIGHT AND DIMENSIONS

GEN-Set	Dimension (L*W*H)	Weight
Open Type	3130mm×1380mm×2050mm	4185 kg
Silent Type	5306mm×1566mm×2585mm	5480 kg

STANDARDS:**Genset:** GB/T2820—2009,ISO8528**Alternator:** LEROY SOMER, LSA 47.3S4**Diesel Engine:** CUMMINS , QSZ13-G3**Standby Power:** Continues running at variable load for duration of an emergency. No overload is permitted on these ratings.**Prime Power:** Continues running at variable load for unlimited periods with 10% overload available for 1 hour in any 12 hour period.**CONFIGURATION:****Standard:** Engine, alternator, cooling system, Base frame (excluding fuel tank), shock absorber, air inlet system, control box (including mains floating charge), plastic fan blades (when the engine and water tank do not bring).**Optional:** Base frame (including fuel tank), water jacket heater, fuel water separator, fuel heater, fuel level sensor (only supporting underframe tank), switch box (with switch), power switch, the water level sensor, motor anti condensation heater, automatic fueling system (only supporting base frame including fuel tank), battery frame.**Accessories:** Silencer, bellow, exhaust silencing system accessories (with the

Una compañía de servicio a su servicio

gerencia@fcpowersolutions.com.co / 310 834 9075 / Carrera 48 # 166-66, oficinas 105 C
Bogotá-Colombia // www.fcpowersolutions.com.co

ENGINE Specification

Manufacturer: CUMMINS

Model	QSZ13-G3
Engine speed Rated	1800 RPM
Cylinder /Arrangement	6 / L
Displacement	13L
Bore and Stroke	130 mm×163 mm
Compression ratio	17 : 1
Max. stand by power at rated RPM	500KW
Frequency regulation , steady state	
Governor : type	HPCR
Aspiration and Cooling	Turbocharged and Charge Air Cooled

Exhaust System

Exhaust gas flow	43.1kg/min
Exhaust temperature	506°C
Max back pressure	13.5kPa

Fuel System

Fuel consumption100% (of the Prime Power)	104.1L / h
Fuel consumption75% (of the Prime Power)	75.7L / h
Fuel consumption50% (of the Prime Power)	50.8L / h
Fuel consumption110% (of the Prime Power)	118.6L / h

Oil system

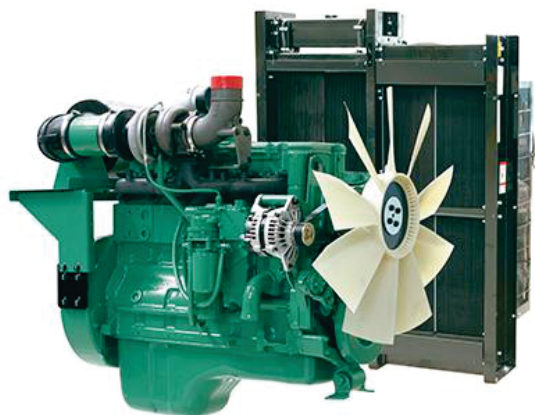
Total oil capacity w/filters	45.42L
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Air intake

Engine air flow	38.3m³/min
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Coolant System

Radiator & engine capacity	23.1L
Max water temperature	102°C
Thermostat	82-94°C



Cummins 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

P/T pump injection technology, low cost, completely combustion



ALTERNATOR Specification

Manufacturer: LEROY SOMER

Type	LSA47.3S4
Number of phase power	3
Factor (Cos Phi)	0.8
Pole	4
Bearing	1
Coupling	Direct
Exciter type	PMG
Insulation : class , temperature rise	H / H
Degree of protection	IP23
AVR model	R180
Altitude	≤1000m
Winding Pitch	2/3
Winding Leads	12

FEATURES

- Tight control of procedures right from the initial sales offering through to delivery to the customer, including the design process, manufacturing start-up and production.
- A total quality policy based on making continuous progress in improving operational procedures, involving all departments in the company in order to give customer satisfaction as regards delivery times, conformity and cost.
- Indicators used to monitor process performance.
- Corrective actions and advancements with tools such as FMECA, QFD, MAVP,
- MSP/MSQ and Hoshin type improvement workshops on flows, process re-engineering, plus Lean Manufacturing and Lean Office.
- Annual surveys, opinion polls and regular visits to customers in order to ascertain and detect their expectations.

STANDARDS

IEC 60034, NEMA MG 1.32 - 33, ISO 8528/3, CSA, UL 1446, UL 1004
on request and depending on voltages, marine.

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



Control Panel

Model: DSE 7420MKII**AUTO START & AUTO MAINS FAILURE CONTROL MODULES****DIMENSIONS****OVERALL****245mm x 184mm x 51mm**
(9.6" x 7.2" x 2.0")**PANEL CUTOUT****220mm x 160mm**
(8.7" x 6.3")**WEIGHT****980g (0.98kg)****KEY FEATURES**

4-Line back-lit LCD text display

Multiple Display Languages

Five key menu navigation

LCD alarm indication

Heated display option available.

DSENet expansion compatibility

Data logging facility upto 20 parameters

Internal PLC editor

Fully configurable via PC using USB, RS232, RS485 and Ethernet communication

Power save mode

3 phase generator sensing and protection

3 phase mains (utility) sensing and protection (DSE7420 MKII only)

Automatic load transfer control (DSE7420 MKII only)

Front panel configuration with multi-level PIN protection

Generator current and power monitoring

(kW, kvar, kVA, pf)

Mains current and power monitoring (kW, kvar, kVA, pf)

Over current protection

Unbalanced load protection

Independent earth fault protection

Breaker control via fascia buttons

Fuel and start outputs configurable when using CAN

6 configurable DC outputs

2 configurable volt-free relay outputs

6 configurable analogue/digital inputs

Support for 0 V to 10 V & 4 mA to 20 mA sensors

Support for 3 k Ω resistive sensors

8 configurable digital inputs

CAN, MPU and alternator frequency speed sensing in one variant

Real time clock

Manual and automatic fuel pump control

Engine pre-heat and post-heat functions

Engine run-time scheduler

KEY BENEFITS

Automatically transfers between mains (utility) and generator power (DSE7420 MKII only) for convenience

Hours counter provides accurate information for monitoring and maintenance periods

User-friendly set-up and button layout for ease of use

Multiple parameters are monitored & displayed simultaneously for full visibility

PLC editor allows user configurable functions to meet user specific application requirements.

The module can be configured to suit a wide range of applications for user flexibility