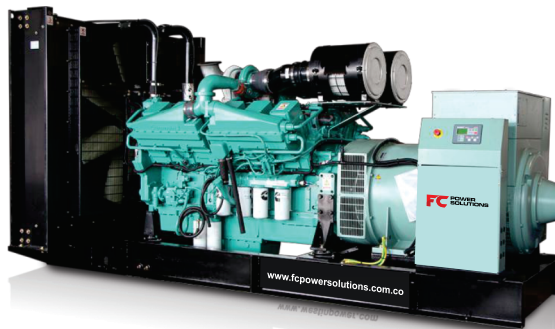


TC1000LS**60Hz POWERED BY CUMMINS SERIES****TECHNICAL SPECIFICATIONS****DIESEL GENERATING SET 220/127V-60Hz-3Phase**

Model	TC1000LS	
Power(ESP)	kVA/kW	1000/800
Power(PRP)	kVA/kW	906/725
Starter Voltage	V	24
Rated Current	A	2624
Rated rotation speed	r/min	1800
Power Factor		0.8
Fuel Consumption	L/hour	208.4L / h
Fuel Tank Capacity	L	Silent: 800L
Noise level	dB(A)@1m	Silent Type: ≤85

WEIGHT AND DIMENSIONS

GEN-Set	Dimension (L*W*H)	Weight
Open Type	4200mm×2100mm×2400mm	7616 Kg
Silent Type	5796mm×2156mm×2548 (3304) mm	9463Kg

STANDARDS:**Genset:** GB/T2820—2009,ISO8528**Alternator:** LEROY SOMER, TAL-A49-C**Diesel Engine:** CUMMINS , KTA38-G2**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 matching engine), regular battery, starting cord assembly, data of gen-set, random tool (with the matching engine).

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	KTA38-G2
Engine speed Rated	1800 RPM
Cylinder /Arrangement	12/V
Displacement	38L
Bore and Stroke	159mm×159 mm
Compression ratio	14.5: 1
Max. stand by power at rated RPM	896KW
Frequency regulation , steady state	± 0.25%
Governor : type	Electrical
Aspiration and Cooling	Turbocharged & Aftercooled

Exhaust System

Exhaust gas flow	3679L/s
Exhaust temperature	502°C
Max back pressure	10kPa

Fuel System

Fuel consumption100% (of the Prime Power)	208.4L / h
Fuel consumption75% (of the Prime Power)	160.2L / h
Fuel consumption50% (of the Prime Power)	113.3L / h
Fuel consumption110% (of the Prime Power)	230.1L / h

Oil system

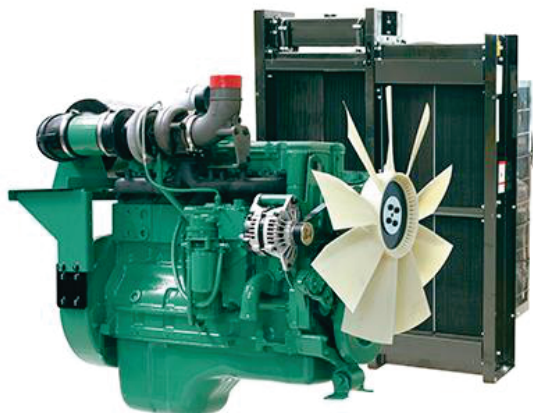
Total oil capacity w/filters	135.1L
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Air intake

Engine air flow	1369L/s
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Coolant System

Radiator & engine capacity	199.5L
Max water temperature	104°C
Thermostat	82-93°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

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



ALTERNATOR Specification

Manufacturer: LEROY SOMER

Type	TAL-A49-C
Number of phase power	3
Factor (Cos Phi)	0.8
Pole	4
Bearing	1
Coupling	Direct
Exciter type	SHUNT
Insulation : class , temperature rise	H / H
Degree of protection	IP23
AVR model	R150
Altitude	≤1000m
Winding Pitch	2/3
Winding Leads	6/12

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 prior notice.



Control Panel

Model: DSE 6120

AUTO START & AUTO MAINS FAILURE CONTROL MODULES

DIMENSIONS

OVERALL

215mm x 158mm x 42mm

(8.5" x 6.2" x 1.6")

PANEL CUTOUT

182mm x 137mm

(7.2" x 5.4")

MAXIMUM PANEL THICKNESS

8 mm

0.3"



KEY FEATURES

Back-lit text LCD display

Front panel editing

LED and LCD alarm indication

Power Save mode

CAN and Magnetic Pick-up/Alt.
versions available (specify on
ordering)

PC and front panel configuration

6 Digital inputs

3 Analogue inputs

6 Outputs (4 configurable on

Magnetic Pick-up/Alt., 6
configurable on CAN version)

Configurable timers and alarms

Alternative configuration

Event Log (10)

Remote Start input

3 Phase generator monitoring

Current Monitoring and protection

3 Phase Mains (Utility) monitoring
(DSE6120 only)

Test button (DSE6120 only)

Battery voltage monitoring

Engine pre-heat

Hours counter

Comprehensive shutdown or
warning on fault condition

KEY BENEFITS

Automatically transfers between
mains (utility) and generator
power (DSE6120 only)

Hours counter provides accurate
information for monitoring and
maintenance periods

User-friendly set-up and button
layout

Multiple engine parameters are
monitored simultaneously

Module can be configured to suit
individual applications

Compatible with a wide range of
CAN engines

Uses DSE Configuration Suite PC
software for simplified
configuration

IP65 rating (with optional gasket)
offers increased resistance to water
ingress

Licence-free PC software