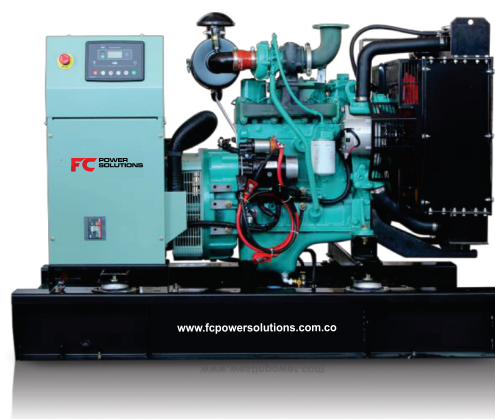


TC35LS**60Hz POWERED BY CUMMINS SERIES****TECHNICAL SPECIFICATIONS****DIESEL GENERATING SET 240/120V-60Hz-1Phase**

Model	TC35LS	
Power(ESP)	kVA/kW	34.5/34.5
Power(PRP)	kVA/kW	30/30
Starter Voltage	V	24
Rated Current	A	144
Rated rotation speed	r/min	1800
Power Factor		1
Fuel Consumption	L/hour	10.7L / h
Fuel Tank Capacity	L	Open Type :158 / Silent Type:278
Noise level	dB(A)@7m	Silent Type: ≤73

WEIGHT AND DIMENSIONS

GEN-Set	Dimension (L*W*H)	Weight
Open Type	1856mm*837mm*1352mm	878kg
Silent Type	2396mm*1056mm*1723mm	1267kg



STANDARDS:

Genset: GB/T2820—2009,ISO8528

Alternator: LEROY SOMER, TAL A42 D-S

Diesel Engine: CUMMINS , 4BT3.9-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).



ENGINE Specification

Manufacturer CUMMINS

Model	4BT3.9-G2
Engine speed Rated	1800 RPM
Cylinder /Arrangement	4 / L
Displacement	3.9 L
Bore and Stroke	102 mm×120 mm
Compression ratio	18.0 : 1
Max. stand by power at rated RPM	44KW
Frequency regulation , steady state	
Governor : type	Electrical
Aspiration and Cooling	Turbocharged



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

Exhaust System

Exhaust gas flow	107L/sec
Exhaust temperature	373°C
Max back pressure	10kpa

Fuel System

Fuel consumption100% (of the Prime Power)	10.7L / h
Fuel consumption75% (of the Prime Power)	8.4L / h
Fuel consumption50% (of the Prime Power)	6.2L / h
Fuel consumption110% (of the Prime Power)	11.7L / h

Oil system

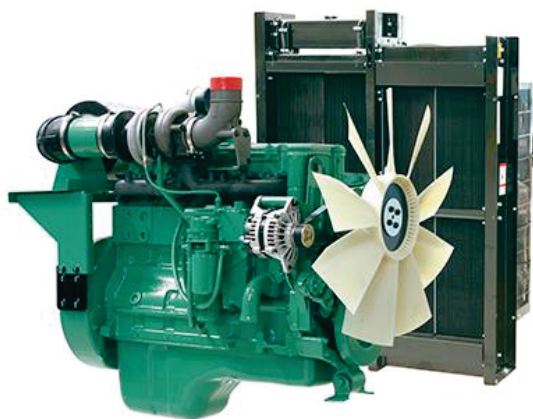
Total oil capacity w/filters	10.9L
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Air intake

Engine air flow	54.3L/sec
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Coolant System

Radiator & engine capacity	7.2L
Max water temperature	104°C
Thermostat	83-95°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 A42 D-S
Number of phase power	1
Factor (Cos Phi)	1
Pole	4
Bearing	1
Coupling	Direct
Exciter type	SHUNT
Insulation : class , temperature rise	H / H
Degree of protection	IP23
AVR model	R121
Altitude	≤1000m
Winding Pitch	2/3
Winding Leads	4

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,



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Http:// www.westinpower.com



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 6020

AUTO START & AUTO MAINS FAILURE CONTROL MODULES

DIMENSIONS

OVERALL

216mm x 158mm x 42mm

(8.5" x 6.2" x 1.6")

PANEL CUTOUT

182mm x 137mm

(7.2" x 5.4")

WEIGHT

400g (0.4kg)



KEY FEATURES

Back-lit icon 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

4 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 (5)

Remote Start input

3 Phase generator monitoring

Current monitoring and protection

Power monitoring(kW, kV A, kV Ar)

3 Phase Mains (Utility) monitoring
(DSE6020 only)

Test button (DSE6020 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
(DSE6020 only)

Hours counter provides accurate
information for monitoring and
maintenance periods

User-friendly set-up and button

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.

