LG578C Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
LG578C	60Hz/1800RPM	462KW	420KW
		578KVA	525KVA

* Voltage: 440/254

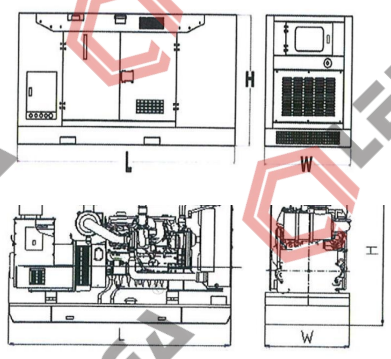
(1) Prime Power: Ratings are as per DIN 6271,BS55114 and ISO-3046 with 10% overload capacity.
(2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
(3) Operation at Altitude ≤1000m, Ambient temperature ≤ 40℃).If altitude higher than 1000m, each 300m will cause additional de-rating 4%.

General Characteristics

Model	LG578C
Engine	Cummins KTA19G3
Alternator	Stamford or Lega
Speed Control Type	Electrical
Phase	3
System Voltage	24
Frequency	60Hz
Engine Sped(RPM)	1800

Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	3400mm	4650mm
Width (W)	1340mm	1600mm
Height (H)	2170mm	2260mm
Net Weight (KG)	4160kg	5340kg



Engine Specification

Brand		Cummins
Model		KTA19G3
No. of Cylinders and Cycle		6L, 4 Stroke
Compression Ratio		13.9:1
Displacement (L)		19
Bore x Stroke (mm)		159 x 159
Piston Speed (m/s)		9.5
Air Intake Flow (L/s)		611
Exhaust Flow (L/s)		1579
Net Engine Weight (kg)		1690
Starting System		Electronic
Engine Coolant Flow (L/min)		12.4
Base Output Power (kW)		463
Fuel Consumption (L/h)	100% load	208
	75% load	161
	50% load	114
	25% load	69

Cooling System	Max.coolant cycling resistance exterior engine(kPA)	68.9
	Thermostat adjusting temperature (℃)	82-93
	Minimum Pressure of Radiator Cap (kPA)	48
	Coolant capacity-engine only(L)	30.3
Fuel System	Fuel injection pump model	Direct Injection Cummins PT
	Maximum Restriction at Lift Pump (kPa)	13.3
Lubricating System	Low idle (kPA)	138
	Rated speed (kPA)	345-483
	Max. oil temperature permitted in oil pan (℃)	121
	Lubrication system Min. capacity (L)	50
Exhaust System	Max. Back Pressure (kPA)	10
Electrical System	Starter (V)	24
	Battery charging system (A)	35

Alternator Specification

Poles	No.	4
Connection type (standard)		star
Insulation		Class" H"
Enclosure (according IEC-34-5)		IP23
Exciter system		SELF EXCITED
Voltage regulator		A.V.R. (Electronic)
Bracket type		Single bearing
Coupling system		Flexible disc
Coating type		Standard (Vacuum impregnation)

*Alternator meets BS EN 60034 and the relevant section of other international standards such as BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2 and AS1359.

Options

Engine

- Jacket Water Preheater
- Oil Preheater

Generator Sets

- Tools with the machine

Fuel System

- Low fuel level alarm
- Automatic fuel feeding system
- Fuel T-valves

Control Panel

- Remote control panel
- ATS
- Remote controller
- Synchronizing controller

Alternator

- Winding temperature measuring instrument
- Alternator Preheater
- Anti-damp and anti-corrosion treatment
- Anti-condensation heater

Canopy

- Rental type canopy
- Trailer

Exhaust System

- Protection board from heat

Cooling System

- Front heat protection
- Coolant (-30℃)

Lubricating System

- With machine oil

Note: This drawing is provided for reference only and should not be used for planning installation.Contact your

Standard Controller (ComAp AMF20 or DEEPSEA DSE6020)

Control	Auto/Start/Stop Control Emergency Stop Pushbutton/ Alarm Engine Cool Down Timer Warm - up Timer Load Switching Timer Engine Cycle Crank
Indications	Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring Power Measurement (kW, kVA, kVAr, kWh, kVAh, pf) Frequency Monitoring (Hz) Oil Pressure/Coolant Temperature/Fuel Level Monitoring Battery Voltage Monitoring (DC) Alarm (Acknowledge)
Warning & Shutdown Alarms	Generator Over/Under Voltage & Frequency Crank Disconnect (Failure to Start) Under/Over Speed Over Current Low oil pressure High Water Temperature Low Fuel Level Low Water Level
Features	IP 65 (if ordered with gasket) Basic Scheduler 8 - 35V DC Supply Digital Inputs(4) - Outputs(4 MPU/ 6 CAN) Event Log (5 shutdowns)

AMF InteliLite 9

DSE6020

All data is subject to change without notice.Sorry for inform.

Distributed By:

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