

TIGESA

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TG1125C



Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
TG1125C	60HZ/1800RPM	900KW	820KW
		1125KVA	1025KVA

* Voltages :220/127 - 480/277

- (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 \leq 1000m, Ambient temperature \leq 40°C.If altitude higher than 1000m, each 300m will cause additional de-rating 4%.

General Characteristics

Model	TG1125C
Engine CUMMINS	Cummins KTA38G2A
Alternator	Stamford S6L1D-D41
Speed Control Type	ELECTRONIC
Phase	3
System Voltage	24
Frequency	60HZ
Engine Sped	1800
Controller Model	DSE 7320 MKII

Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	4400mm	6058mm
Width (W)	2080mm	2438mm
Height (H)	2352mm	2591mm
Net Weigh (KG)	8156kg	12270kg
Fuel Tank (LT)	1000Lts	1000Lts



Calle Filadelfia No. 119, Int. 401, Col. Nápoles, Del. Benito Juárez, Ciudad de México, C.P 03810

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Engine Specification

Brand	Cummins	
Model	KTA38G2A	
No. of Cylinders and Cycle	12	
Compression Ratio	14.5:1	
Displacement (L)	38	
Bore x Stroke (mm)	159*159	
Piston Speed (m/s)	9.5	
Air Intake Flow (m ³ /min)	87.3	
Exhaust Flow (m ³ /min)	201.5	
Exhaust Gas Temperature (°C)		
Net Engine Weight (kg)	3719	
Starting System	electronic	
Base Output Power (kW)	915	
Fuel Consumption (L/h)	110% load	248.2
	100% load	223.3
	75% load	169.9
	50% load	126.3

Cooling System	Maximum Coolant Friction Heat External to Engine (kPa)	18.9
	Thermostat adjusting temperature (°C)	82-93
	Maximum Coolant Temperature at Engine Outlet (°C)	100
	Coolant capacity-engine only(L)	123.8
Fuel System	Fuel injection pump model	Cummins PT
	Maximum allowable Restriction to PT Fuel Pump (kPa)	13.55
	Minimum Allowable Fuel Tank Vent Capability (L/h)	425
	Maximum Suction Head of Feed Pump (kPa)	22
Lubricating System	Oil Pressure Low idle (kPa)	138
	Oil Pressure Rated speed (kPa)	310-448
	Max. oil temperature permitted in oil pan (°C)	121
	Total System Capacity (Excluding By-Pass Filter) (L)	135.1
Exhaust System	Max. Back Pressure (kPa)	10
Electrical System	Starter (V)	24
	Maximum Allowable Resistance of Starting Circuit (Ω)	0.002

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Alternator Specification

Poles		4
Connection type (standard		Series Star
Insulation		Class "H"
Enclosure (according IEC-34-5)		IP23
Exciter system		Self-excited, brushless
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°C)

Lubricating System

- With machine oil

Note: This drawing is provided for reference only and should not be used for planning installation. Contact your local distributor for more detailed information.

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Standard Controller (DSE 7320 MKII)

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(6) 100 event records	

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

