

LG37YM-1

Powered by Yanmar

Model	Frequency/RPM	Standby Power	Prime Power
LG37YM-1	50Hz/1500RPM/Single Phase/PF1.0	26.4KW	24KW
		26.4KVA	24KVA

* Voltages: 220-240V

- (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 maximum of 200 hours during one year and one hour at the rating in every 12 hours
- (3) Operation at Altitude ≤1000m, Ambient temperature ≤ 40°C). If altitude higher than 1000m, each 300m will cause additional de-rating 4%.

General Characteristics

Model	LG37YM-1
Engine	YANMAR 4TNV98-GGECC
Alternator	LEEGA LA184G28
Speed Control Type	Centrifugal-all speed governor
Phase	1
System Voltage	12
Frequency	50Hz
Engine Sped(RPM)	1500
Controller Model	AMF20
Fuel Tank Capacity	165L for open type / 85L for canopy type

Dimensions

DIMENSION		OPEN TYPE	SILENT TYPE
Length	(L)	1800mm	2000mm
Width	(W)	730mm	850mm
Height	(H)	1320mm	1250mm
Net Weigh	(KG)	640KG	850KG

Sound @ 7meter : 65dB

Photos for reference only

Remarks: weights and dimensions are design value only



Engine Specification

Brand	Yanmar	
Model	4TNV98-GGECC	
No. of Cylinders and Cycle	4, 4 Stroke	
Prime power (Kw)	31	
Standby power (Kw)	34.1	
Aspiration	Naturally aspirated	
Compression Ratio	18.5:1	
Displacement (L)	3.319	
Bore x Stroke (mm)	98 x 110	
Governor	Mechanical	
Piston Speed (m/s)		
Air Intake Flow (L/s)		
Exhaust Flow (L/s)		
Net Weight (kg)	approx.248	
Engine Coolant Flow (L/s)		
Fuel Consumption (L/h)	110% load	8.3
	100% load	7
	75% load	5.5
	50% load	4.1

Cooling System	Pressure cap (kgf/cm)	0.9
	Coolant capacity-engine only(L)	4.2
	Water tank combined fan	
Fuel System	Fuel injection pump	Distributor type (YPD-MP4), Yanmar made
	Fuel injection timing	10.5(+) deg
	Fuel injection nozzle	hole type
Fuel filter system	Lubricating oil filter	
	Fine and coarse fuel filters.	
Lubricating System	Oil grade	SAE class CD, IPE grade 10W30
	Oil pump	Forced lubrication
	Lubrication system Max. capacity (L)	10.5
Engine sensor system	Lubricating oil pressure, water temperature and fuel level sensors	
Exhaust System	Max. Back Pressure (kPA)	
Electrical System	Starter (V)	12
	Starter motor power (kW)	2.3



Alternator Specification

	No.	
Poles		4
Prime Power (Kw)		22
Connection type (standard)		Star-series
Insulation		Class H
Enclosure (according IEC-34-5)		IP23
Exciter system		Self-excited, brushless, self-lubricating
Power Factor (Cos ϕ)		1
Rotation speed		1500 rpm
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
- PMG
- 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.



Genset Controller ComAp AMF20

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



Distributed By:

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