

# **ENERGY GENERATION**

## P11000 230V 50HZ

### THE SILENT POWER



Low noise level, it is the ideal generator for use in residential areas or outside normal working hours. It's equipped with a reliable Diesel engine, first class components and complete instrumentation.

Main Features		
Frequency	Hz	50
Voltage	V	230
Power factor	cos φ	0.9
Phase and connection		1

Power Rating		
Standby power LTP	kVA	10.8
Standby power LTP	kW	9.7
Continuous power COP	kVA	10.0
Continuous power COP	kW	9.0

Ratings definition (According to standard ISO8528 1:2005) COP - Continuous Power: It is defined as being the maximum power which a generating set is capable of delivering continuously for an unlimited number of hours, with the maintenance intervals and procedures

being carried out as prescribed by the manufacturers. LTP - Limited-Time running Power: It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 h of operation per year (whose no more than 300 for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. No overload capability is available.

Engine specifications		
Engine manufacturer		Yanmar
Model	3TNV70-HGE	
Engine cooling system		Water
Displacement	CM <sup>3</sup>	854
Aspiration		Natural
Operating Speed-Nominal	rpm	3000
Speed governor		Mechanical
Fuel		Diesel
Oil capacity	I	3.8
Coolant capacity	I	0.9
Starting system		Electric
Electric circuit	V	12



Alternator Specifications		
Class		Н
Voltage regulation system		Capacitor
IP protection		23
Poles		2
Frequency	Hz	50

Dimensional data		
Length	(L) mm	1400
Width	(W) mm	650
Height	(H) mm	975
Dry weight	Kg	325
Fuel tank capacity		24

Autonomy		
Running time @ 75% PRP	h	7.87
Running time @ 100% PRP	h	6.05

Noise level		
Guaranteed noise level (LWA)	dB(A)	96
Noise pressure level @ 4 mt	dB(A)	72

#### GENSET MANUAL CONTROL PANELS MCP #IPP

Mounted on the genset and complete of: instrumentation, control, protection of the generating set and sockets.

#### COMMANDS

- Start selector switch with key: OFF - ON - START

#### INSTRUMENTATION

- Voltmeter
- Hourmeter
- Low oil pressure Alarm Lamp

#### PROTECTIONS

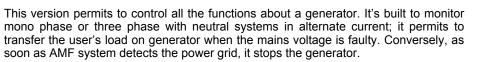
- Circuit breaker
- Isometer protection (IPP)
- Oil pressure indicator

#### SOCKET TYPE

2P+T CEE 230V 16A IP44	2
2P+T CEE 230V 32A IP44	1

#### SUPPLEMENTS CONTROL (Available when ordered)

#### **AMF - AUTOMATIC MAIN FAILURE**



#### Equipment:

- Control and protection unit (DGT)
- Phase detector
- Contactor with interblock
- Battery charged
- Acustic alarm
- Esternal start stop capability
- Emergency stop button

#### Instrumentation (DGT)

- Mains voltage
- Genset voltage
- Frequency meter
- Hour meter

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#### Alarm & Shutdowns:

- Generators voltage out of limits
- Battery Voltage out of limits
- Low oil Pressure
- Fail to start
- External shutdown
- Note: The AMF panel (Automatic Control Panel) replaces the Manual Control Panel

#### PHS - Coolant pre-heating system

Coolant preheater Engine (only available for AMF version)





- TRANSPORTATION KIT



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