

# P11000 400V 50Hz



## Main Features

Frequency	Hz	50
Voltage	V	400/230
Power factor	cos $\phi$	0.8
Phase		3

## Power Rating

Emergency Standby Power ESP	kVA	10.80
Emergency Standby Power ESP	kW	8.64
Continuous power COP	kVA	10.00
Continuous power COP	kW	8.00

### Ratings definition (ISO-8528)

**ESP** - Emergency Standby Power:

It is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP.

**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 procedure being carried out as prescribed by the manufacturers.

### Engine specifications

Engine Brand		Yanmar
Model		3TNM74F-NHPGE
[50Hz] Exhaust emission level		Stage V
Engine cooling system		Water
Displacement	cm <sup>3</sup>	993
Aspiration		Natural
Operating Speed-Nominal	rpm	3000
Speed governor		Mechanical
Fuel		Diesel
Oil capacity	l	3.4
Coolant capacity	l	1
Starting system		Electric
Electric circuit	V	12

### Alternator Specifications

Class		H
IP protection		23
Poles		2
Frequency	Hz	50
Voltage	V	400
Voltage tolerance	%	6

### Dimensional data

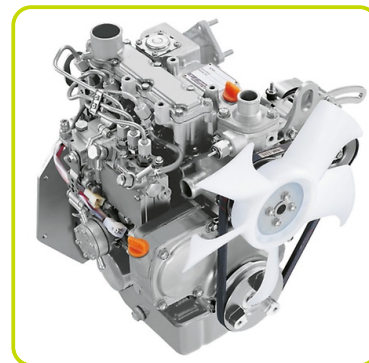
Length	(L) mm	1400
Width	(W) mm	650
Height	(H) mm	975
Dry weight	kg	333
Fuel tank capacity	l	24

### Autonomy

Fuel consumption at 75% of Load	l/h	2.52
Fuel consumption at 100% of Load	l/h	3.55
Running time at 75% of load	h	9.52
Running time at 100% of load	h	6.76

### Noise level

Guaranteed noise level (LWA)	dB(A)	96
Noise pressure level @ 7 m	dB(A)	68



## GENSET CONTROL PANELS MCP

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
- Power Selector Delta Star

### INSTRUMENTATION

- Voltmeter
- Hour Meter
- Low oil pressure Alarm Lamp

### PROTECTIONS

- Circuit breaker



### SOCKET TYPE

2P+T CEE 230V 16A IP44	2
2P+T CEE 230V 32A IP44	1
3P+N+T CEE 400V 16A IP44	1

## SUPPLEMENTS CONTROL (Available when ordered)

### AMF - AUTOMATIC MAIN FAILURE

This version permits to control all the functions about a generator. It's built to monitor mono phase or three phase with neutral systems in alternate current; it permits to transfer the user's load on generator when the mains voltage is faulty. Conversely, as soon as AMF system detects the power grid, it stops the generator.

#### Equipment:

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

#### Instrumentation (DGT)

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

#### 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)

## ACCESSORIES

- TRANSPORTATION KIT

