

P4500 230V 50HZ #CONN #DPP

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		1

Power Rating

Standby power LTP	kVA	4.1
Standby power LTP	kW	3.7
Continuous power COP	kVA	3.5
Continuous power COP	kW	3.1

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	L70N	
Engine cooling system	Air	
Displacement	cm ³	320
Aspiration	Natural	
Operating Speed-Nominal	rpm	3000
Speed governor	Mechanical	
Fuel	Diesel	
Oil capacity	l	1.1
Starting system	Electric	



Alternator Specifications

Type		
Class	H	
IP protection	23	
Poles	2	
Frequency	Hz	50
Voltage regulation system	Capacitor	

Dimensional data

Length	(L) mm	800
Width	(W) mm	520
Height	(H) mm	837
Dry weight	Kg	99
Fuel tank capacity	l	18

Autonomy

Fuel consumption @ 75% PRP	l/h	1.15
Fuel consumption @ 100% PRP	l/h	1.24
Running time @ 75% PRP	h	15.65
Running time @ 100% PRP	h	14.52

Noise level

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

GENSET CONTROL PANELS (CONN DPP)

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
- **CONN**ector for AMF/RSS (Accessory available)

INSTRUMENTATION

- Voltmeter

PROTECTIONS

- Circuit breaker
- Cover protection circuit breaker IP55
- Differential protection (**DPP**)
- Low Oil Pressure

SOCKET TYPE

SCHUKO 230V 16A IP54	1
2P+T CEE 230V 16A IP44	1
2P+T CEE 230V 32A IP44	1

ACCESSORIES CONTROL PANEL

AMF - AUTOMATIC CONTROL PANEL (CONN)

This accessory 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
- 8 meters control wiring (with CONNector)
- 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



RSS - REMOTE START / STOP (CONN)

RSS Remote start/stop wireless with CONNector (max Distance 90m)



ACCESSORIES

TRANSPORTATION KIT

- With fix handles
- With folding handles



LIGHT TOWER

for portable generators (with tubular frames)

- Maximum Height 4.2m
- Elevations Pneumatic
- Quick open/close systems for legs
- Mast support and four lifting
- Lamp available Watt/Type:
 - n.4 X 500W Halogen (required power from generator: 2.5kVA 230V Single Phase)
 - n.4 X 1000W Halogen (required power from generator: 5,0kVA 230V Single Phase)



MTS- MANUAL TRANSFER SWITCH

- Manual transfer switch 40A (for manual control versions 230V)

