Product Reference

P8000T 3PH 400V 50HZ

Genset Image for illustration purposes only

Technical data		
Voltage	(V)	400/230
Frequency		50
Engine		AC420FD
Alternator		GA8000T
Exhaust emission Level		EU2
Performance class		G1
Acoustic power LwA	dB(A)	101
Acoustic pressure LpA a 7 m	dB(A)	76

Mechanical structure		
Length (L)	(mm)	680
Width (W)	(mm)	550
Height (H)	(mm)	550
Weight	(kg)	85
Fuel tank capacity	(l)	25
Wheels and handles		NO

Power ratings			
Prime	Prime	Standby	Standby
kVA	kW	kVA	kW
7,5	6	8	6,5

Fuel tank		
Level sensor		YES
Fuel tank capacity	(l)	25

Engine

General	
Engine Brand	AC
Engine Model	AC420FD
R.P.M.	3000
Power (C.V.)	6,5
Fuel	Petrol
No. of cylinders	1
Displacement	420
Bore (mm)	90
Stroke (mm)	66
Compression ratio	8.0:1
Regulation type	Mechanical
Exhaust emission Level	EU2

Lubrication System	
Oil capacity	1,1
Engine Oil Guard	Yes

Air intake system	
Air filter	Light duty

Cooling System	
Cooling type	Air

Starting system	
Recoil	YES
Electric 12V	YES

Fuel consumption table

Load level	PRIME (L/h)	Aut. (h)
25%	-	-
50%	2,2	11,3
75%	2,6	9,6
100%	3,7	6,8
110%	-	-

NOTE: range according to the standard configuration.

Alternator

Alternator brand	AC
Alternator Model	GA8000T
Peak power 163°/27° kVA	7,5
Poles	2
Excitation system	AVR
Performance at 100% p.f. 0.8 (%)	83

Main features and options

Mains features

- Recoil start
- Large fuel tank
- Electrical key start (12V)
- Automatic Voltage Regulation (AVR)
- Circuit breaker
- Sockets
- Engine Oil Guard
- Fuel Cock
- Hourmeter
- Differential circuit breaker, UV coil and IP67 sockets
- Wheel kit

Sockets configuration

SCHUKO 230V 16A IP54	1
3P+N+T CEE 400V 16A IP44	1

Options

Regulations:

The generator set has a CE Marking that includes the following directives:

- 2006/42/CE Machine Safety.
- 2006/95/CEE Low Voltage.
- 2004/108/CE Electromagnetic compatibility.
- 97/68/CE Gases and contaminating particles emissions.

Definitions

Prime Rating

PRIME POWER: Electrical power data available at a variable load without limits of hours per year. An overload of 10 % is allowed for 1 hour of every 12. In accordance with ISO 8528/1 (2005) – PRP

Standby

STANDBY POWER: Electrical power data at variable load in an emergency in accordance with standard ISO 8528/1 (2005) – ESP. Overloads of emergency power are not allowed.

Standard reference conditions

25 ºC, 100 kPa and 30% relative humidity

Grupos Electrógenos Europa, S.A. is a certified company with ISO 9001, ISO 14001, OHSAS 18001 and PECAL

Atlas Copco reserves the right to modify any characteristic of their equipment without prior warning.

All products are designed and engineered in Zaragoza Competence Center

Weight and dimensions of a standard generator set.

Non-contractual document

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