

P 8000T AP S5 50 400/230 IP67



Genset image for illustration purposes only

Technical data

Voltage	(V)	400/230
Frequency		50
Engine		AC420FD
Alternator		GA8000T
Exhaust emission Level		EU5
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
6	7,5	7,5	6

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		EU5

Lubrication System

Oil capacity		1,1
Engine Oil Guard		Yes

Air intake system

Air filter		Light duty
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Cooling System

Cooling type		Air
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Starting system

Recoil		YES
Electric 12V		YES

Fuel tank

Level sensor		YES
Fuel tank capacity	(l)	25

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.
- 2016/1628/CE requirements relating to gaseous and particulate pollutant emission limits and type-approval for internal combustion engines for non-road mobile machinery.

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 °C, 100 kPa and 30% relative humidity

Grupos Electr genos 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

Atlas Copco Portable Energy Division

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