



AUSONIA BA0110SWD THREE-PHASE GENERATOR 110KVA

Reference: BA0110SWD

AUSONIA BA0110SWD THREEPHASE GENERATOR 110KVA

AUSONIA BA0110SWD is a threephase generator equipped with a BAUDOUIN 4M11G120/5 engine with Diesel power supply, capable of delivering a power of 110KVA.

The AUSONIA BA0110SWD generator is equipped with a prime mover alternator, rated 120 kVA, self-excited and self-regulated, brushless, with electronic voltage regulator, IP 23 mechanical protection, single-support construction form, insulation/over-temperature class H/H.

The BAUDOUIN diesel engine type 4M11G120/5 of the AUSONIA BA0110SWD is equipped with supercharged and inter-cooled intake, 4 cylinders in line, water cooling, speed control with electronic management, 12 VDC electric start.

The generator AUSONIA BA0110SWD is equipped with an electric control panel RGK 800 type, mounted inside the fairing described below, with microprocessor management logic programmable by the user, through user-friendly interface, able to automatically intervene the G.E. within a few seconds to the lack of voltage even on a singlephase.

The panel is complete with a microprocessor control panel and a microcontroller.

The panel is complete with:

- Electronic device of last generation for the control and the monitoring of all the parameters that come into play for the management of the generating set.
- Backlit alphanumeric display for the visualization of the following parameters:
Network concatenated voltage (R-S-T), phasevoltage of the network, group concatenated voltage (U-V-W), group phasevoltage, ammeter on the 3 group phases (U-V-W), network frequency, group frequency, hour meter, battery voltmeter, historical report of the last 10 events.
- Electronic battery charger with automatic cross-over point;
- Oil manometer + water thermometer + fuel tank level indicator with display on the above-mentioned display;
- Control circuit and water preheating system protection;
- RS 485 modbus serial output.

TECHNICAL FEATURES AUSONIA BA0110SWD

Continuous output PRP : 110 kVA / 88 kW
Emergency output LTP : 120 kVA / 96 kW
Power factor : $\cos \varphi$ 0.8
Voltage : 400 V
Frequency : 50 Hz
Speed : 1500 rpm
Motor model: BAUDOUIN 4M11G120/5
Power supply: Diesel

Number of cylinders / valves: 4 / 8
 Cylinder arrangement: In-line
 Bore x Stroke (mm): 105 x 130
 Displacement (L): 4.5
 Thermodynamic cycle: Diesel 4-stroke
 Cooling system: Liquid (water + 50% antifreeze)
 Injection System: Direct
 Fuel System: Mechanical Pump
 Intake: Supercharged and Post-Cooled
 Compression Ratio: 18 : 1
 Flywheel Housing: SAE 3
 Windwheel: 11.5
 Number of teeth on flywheel crown: 131
 Flywheel inertia (kg/m²): 0.9
 Drive shaft inertia (kg/m²): 0.126
 Emission standards: N/A
 Acoustic power (dB(A)): 108. 6
 Length (mm): 2800
 Width (mm): 1150
 Height (mm): 1600
 Dry weight (kg): 1880

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Images and technical data are not binding and may be subject to revisions by the manufacturer.

Technical Sheet

Phase	Three phase
Maximum power three phase (KW)	96
Continuous power three phase (KW)	88
Maximum power three phase (KVA)	120
Continuous power three phase (KVA)	110
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	230 / 400
Engine	BAUDOUIN 4M11G120/5 4 tempi
Emissions Regulations	non emissionato
Engine rpm (rpm)	1500
Speed governor	Electronic
Starting system	Electric
Engine capacity (cm ³)	4500
Number cylinders	4
Cylinders' position	In line
Cooling	Coolant Liquid

Poles	4
Protection degree	IP23
Motor insulation class	H
Consumption (L/h)	17.4 al 75% del carico
Acoustic power	108.6 dB (A)
Length (mm)	
Width (mm)	1150
Height (mm)	1600
Dry weight (Kg)	1880