



## PRAMAC GSW110P COFANATO CON QUADRO COMANDO AUTOMATICO

Reference: SU101TPAR02

### PRAMAC GSW110P THREEPHASE CURRENT GENERATOR 91,74KW TO DIESEL

The PRAMAC GSW110P is a threephase current generator capable of delivering a power of 91,74kW by means of a diesel engine, complete with an automatic control panel.

The 91,74KW PRAMAC GSW110P current generator is composed of a robust mechanical structure that allows easy access to the electrical system and the motor components, facilitating regular maintenance checks.

The 91,74KW PRAMAC generator is complete with a voltage regulator with DSR . The digital DSR control ensures constant voltage values and prevents malfunctions caused by incorrect use. The accuracy of the control is  $\pm 1\%$  under static conditions with any power factor.

Speed variations are between 5% and 30% of the rated speed.

All the alternators of the PRAMAC GSW110P series have fixed induction with inclined slots and rotating inductor equipped with damping cage. The windings are shortened to 2/3 of the pitch to reduce the harmonic content of the voltage. The electronic regulator is powered by an auxiliary winding that ensures an almost constant power supply in the different operating conditions of the generator. This winding allows a forced overload of 300% for 20s (short maintenance circuit), ideal condition for the motor starting needs.

All the 91,74KW PRAMAC generator windings are impregnated with tropicalized epoxy resins by immersion and dripping, this implies materials and processes specifically designed to give high construction standards required for stator windings and high mechanical strength for rotating components. All high voltage components are treated under vacuum.

The electric control panel with manual control (operator control), integrated and connected to the PRAMAC GSW110P, protected by a special door with transparent porthole and key lock.

#### TECHNICAL FEATURES OF THE THREE-PHASE GENERATOR PRAMAC GSW110P

Three-phase maximum power: 91,74KW  
Three-phase continuous use power: 83.07KW  
Fuel: Diesel  
Voltage: 400V  
Frequency: 50Hz  
Motor: Perkins 1104C-44TAG2  
Starting: Electric  
Consumption: 22. 6 Lt/h at 100% load  
Length: 2400 mm  
Width: 1000 mm  
Height: 1530 mm

Weight: 1400 Kg  
 AVR

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Images and technical data not binding and subject to change by the manufacturer

## Technical Sheet

Phase	Three phase
Maximum power three phase (KW)	91.74
Continuous power three phase (KW)	83.07
Maximum power three phase (KVA)	114.67
Continuous power three phase (KVA)	103.84
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	400
Engine	PERKINS 1104C-44TAG2, turbocharged
Emissions Regulations	Stage 2
Speed governor	Electronic
Starting system	Elettrico
Engine capacity (cm <sup>3</sup> )	4410
Number cylinders	4
Cylinders' position	In line
Oil capacity (L)	8
Cooling	Water
Alternator	Mecc Alte ECP34-2S/4, brushless
Poles	4
Fuel tank capacity (L)	209
Consumption (L/h)	18 at 75% of the load / 22.6 at 100% of the load
Running time (h)	11.6 at 75% of the load / 9.2 at 100% of the load
Acoustic power	96 dB(A)
Acoustic pressure	67 dB(A) at 7 m
Length (mm)	2400
Width (mm)	1000
Height (mm)	1530
Dry weight (Kg)	1400

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Silenced	Yes
Super silenced	Yes
ATS Switch device	Optional ATS
Voltage regulator	AVR
Engine manufacturer	Perkins

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