



# PRAMAC GSW65I COFANATO CON QUADRO COMANDO AUTOMATICO

## Product description:

### PRAMAC GSW65I SOUNDPROOF GENERATOR WITH AUTOMATIC CONTROL PANEL

PRAMAC GSW65I is a generator with soundproofed enclosure, equipped with NEF45SM1A stage II engine capable of delivering a power of 53,14KW.

PRAMAC GSW65I is equipped with a DSR voltage regulator. The DSR digital control ensures constant voltage values and avoids malfunctions caused by incorrect use. The accuracy of the regulation is  $\pm 1\%$  in static conditions with any power factor. Speed variations are between 5% and 30% of rated speed.

All alternators in the series have a fixed armature with inclined slots and a rotating inductor with a 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 various operating conditions of the generator. This winding allows a forced overload of 300% for 20s (short circuit holding), an ideal condition for engine starting needs.

PRAMAC GSW65I is equipped with soundproof enclosure, made of modular galvanized steel panels properly treated to resist corrosion and aggressive environmental conditions, fixed and sealed allow to have a complete seal. The PRAMAC GSW65I generator for maintenance operations is equipped with wide doors, side access complete with stainless steel hinges and handles with lock.

The generators are equipped with modular panels that can be disassembled using special screws protected by plastic caps.

The modular parallel panel mounted on the PRAMAC GSW65I generator, completed with the IG-NTC digital control unit for monitoring, control, protection and load sharing for both single and multiple gensets operating in standby or parallel mode (up to 32 gensets in island).

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**TECHNICAL FEATURES PRAMAC GSW65I**

Maximum Three-Phase Output: 53.14KW  
Continuous Three-Phase Use Output: 48.18KW  
Make of Engine: FPT  
Model: NEF45SM1A  
Exhaust Emission Level: Stage II  
Cooling System: Water  
Number and arrangement of cylinders: 4 in-line  
Displacement: 4500 cm<sup>3</sup>  
Inspiration: Turbo intercooled  
Speed controller: Mechanical  
Power serv. continuous (crankshaft) PRP: 55.5 kW  
Maximum Output (crankshaft) LTP: 60 kW  
Oil sump capacity: 12.8 l  
Lube oil consumption @ PRP (max): % 0.1  
Cooling circuit capacity: 18.5 l  
Fuel: Diesel  
Specific fuel consumption @ 75% PRP: 210.2 g/kWh  
Specific fuel consumption @ PRP: 210.8 g/kWh  
Starting System: Electric  
Starting System Power: 3 KW  
Electrical Circuit: 12 V  
Brand Alternator: Mecc Alte  
Model: ECO/P32-2L/4  
Voltage: 400 V  
Frequency: 50 Hz  
Power Factor: cos  $\phi$  0.8  
Poles: 4  
Type: Brushless  
AVR standard: DSR  
Voltage variation: % 1.5  
Efficiency @ 75% load: % 90.8  
Protection class: IP21  
Length: 2400 mm  
Width: 1000 mm  
Height: 1530 mm  
Weight: 1440 Kg

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Images and technical data are not binding.

**Product features:**

Phase: Three phase

Maximum power three phase (KW): 53.14

Continuous power three phase (KW): 48.18

Maximum power three phase (KVA): 66.43

Continuous power three phase (KVA): 60.22

Fuel: Diesel

Frequency (Hz): 50

Voltage (V): 400

Engine: FPT NEF45SM1A, turbo intercooled

Emissions Regulations: Stage 2

Speed governor: Mechanical

Starting system: Electric

Engine capacity (cm<sup>3</sup>): 4500

Number cylinders: 4

Cylinders' position: In line

Oil capacity (L): 12.8

Cooling: Water

Alternator: Mecc Alte ECO/P32-2L/4, brushless

Poles: 4

Fuel tank capacity (L): 209

Consumption (L/h): 10.2 at 75% of the load / 13.7 at 100% of the load

Running time (h): 20.4 at 75% of the load / 15.3 at 100% of the load

Acoustic power: 95 dB(A)

Acoustic pressure: 67 dB(A) at 7 m

Length (mm): 2400

Width (mm): 1000

Height (mm): 1530

Dry weight (Kg): 1440

Silenced: Yes

Super silenced: Yes

ATS Switch device : Optional

Voltage regulator: AVR

Engine manufacturer: FPT Iveco