

COMBIPLUS G15000HEO-E5 AVR

50Hz@3000RPM 400/230V 3PH

GENMAC
POWER PRODUCTS



General features



Picture for illustration purposes only

COMBIPLUS Generators – Professional, Reliable, Built to Last

Genmac's COMBIPLUS generators are designed for professional use, where reliability and high build quality are a must. They feature a reinforced tubular frame with anti-vibration mounts and an Italian-made alternator with copper windings. The electrical panel is boxed, well insulated, and mounted on the frame to minimize vibration. Equipped with voltmeter, hour meter, low oil pressure protection, sockets protected by thermal-magnetic breaker, and key start system.

Main features:

- Reinforced tubular frame with anti-vibration mounts
- Italian alternator with copper windings
- Boxed, insulated and anti-vibration electric panel
- Built-in voltmeter and hour meter
- Low oil pressure protection
- Sockets protected by thermal-magnetic breaker
- Key start system

Available options:

- Wheel kit
- ATS panel connection kit
- Flexible stainless steel exhaust pipes in various lengths
- Radio remote control or wired remote control
- Engine preheating glow plugs for cold start (Diesel models only)
- Residual-current circuit breaker (RCCB)
- Grounding rod
- Stabilized alternator with voltage regulator (AVR)

Overall performance

G15000HEO-E5 AVR

PRP Continuous power kVA	13.5
PRP Continuous power kW	10.8
LTP Stand-by power kVA	14.9
LTP stand-by power kW	11.9
Power factor cos ϕ	0.8
Voltage VAC	400/230
Frequency Hz	50
Ampere PRP/LTP	20 / 21
Speed RPM	3000

Dimensions and noise level

Length mm	870
Width mm	620
Height mm	690
Net Weight kg	166
Gross Weight kg	174
Sound pressure at 7 mt dBA	-

Data reference

Standard reference conditions temperature 25°C, altitude 1-1000m asl, relative humidity 30%, atmospheric pressure 100 kPa (1 bar), power factor 0.8 lag, balanced load - non distortional. Fuel consumption is nominal and refers to specific weight 0.850 gr/lt. Power performance data as quoted can be obtained after the initial running-in period of the engine, during which one has to follow the instructions of the engine manufacturer as stated in the use and maintenance manual of the specific engine. The tolerance shown by the engine manufacturer is +/- 5%. Sound power values refer to free field conditions: the installation site may influence the values. Dimensions, weights and other specifications contained in the technical data sheet and related attachments are nominal, subject to tolerances and refer to the model with standard equipment; any optional and additional equipment/accessories can modify weight, dimensions, performance.P.R.P. Prime Power-Continuous power at variable load: The power that a genset can supply in continuous service at a variable load for an unlimited number of hours per year while respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer. according to ISO8528-1. The average power supplied over time and any applicable overload must be less than the percentages stated by the Manufacturer.L.T.P. Limited-time running power-Limited power: The maximum power that a genset can supply for a limited time respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer according to ISO 8528-1.The number of hours per year is stated by the Manufacturer. Overload is not permitted.*For reasons of transport and/or storage, liquids (oil and antifreeze) and batteries might not be included in the delivery.

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Engine general data

Engine brand	Honda
Model	GX690
PRP Power kW	11.50
LTP Power kW	12.65
Fuel	Petrol
Nr. cylinders	2
Air intake	Aspirated
Cooling	Air
Cubic capacity l.	0.69
Speed regulation	Mechanical
Starting	Electric
Performance Class - steady state regulator accuracy +/- %	- - 5.00
Load Step G1 - KWe	-
Load Step G2 - KWe	-
Load Step G3 - KWe	-
Voltage VDC	12
Emissions	Euro stage 5

Alternator general data

Alternator brand	Mecc-Alte
Model	ET20F-200
Type of excitation	Self-excited
Type of regulation	AVR
Regulator precision +/- %	2.50

Structure data

Type of structure	COMBIPLUS
Tank capacity l.	19
Retention basin	not
Exhaust diameter mm	50

Control panel features

QFBM-OS-PT5

No. 1 CEE 32A 400V
No. 1 CEE 16A 230V
Thermal Switch
Magnetothermal Switch
Analog Voltmeter
Analog Hour Counter
Emergency Stop Button
Starting Key
Low Oil Pressure Protection

Fuel consumption

Consumption 25% l./h	2.01
Consumption 50% l./h	4.02
Consumption 75% l./h	5.59
Consumption 100% l./h	6.71
Autonomy at 75% of load h.	≈ 3 h

Engine liquids and equipment

Type of lubricant	Oil SAE 15W40
Lubrication capacity l.*	1.90
Type of coolant	Air
Coolant capacity l.*	-
Air intake filter	Paper cartridge
Battery capacity Ah	-
Number of batteries*	-

Fuel system and energy balance

AC pump suction head kPa	-
Combustion air flow volume LTP m3/min	-
Cooling air capacity LTP m3/min	-
Exhaust gas flow-density LTP m3/min	-
Exhaust gas temperature LTP °C	-
Brake mean effective pressure kPa	-
Energy to exhaust LTP kWt	-
Energy to coolant LTP kWt	-
Energy to radiation LTP kWt	-

