



## ECOGREEN KDG12EA3 GENERATOR SINGLE PHASE / THREE PHASE STAGE V AVR 12KVA

Reference: KDG12EA3

### ECOGREEN KDG12EA3 GENERATOR SINGLE PHASE / THREE PHASE STAGE V AVR 12KVA

The generator ECOGREEN KDG12EA3 single phase / three phase is equipped with a Diesel powered KD2V80 Stage V engine capable of delivering 12KVA with AVR voltage regulator.

The ECOGREEN KDG12EA3 generator provides reliable power for home, business and recreational environments Safely powering appliances and other electronic devices Power solution for outdoor parties.

The generator is easy to install and operate, as simple are startup and shutdown thanks to clear and intuitive controls, equipped with auto shutdown for low oil level.

ECOGREEN KDG12EA3 is equipped with handles and wheels to allow easier handling and storage. The AVR is indispensable to make the generator work at its best, in fact it all needs an electronic control system, an AVR, which guarantees the good working of the machine and of the electric net under it.

The purpose of the AVR, in a current generator, is to keep the output stable. And if its operation is very simple when resistive loads are supplied, it is more complex in case of mainly inductive loads: the delayed current opposes the inductor magnetic field, causing a voltage drop at the alternator output terminals; to compensate the phenomenon, the AVR intervenes automatically increasing the excitation current, until the output returns to the nominal value.

#### STAGEV EMISSION STANDARDS

ECOGREEN KDG12EA3 is equipped with "mobile" STAGEV motorization, as required by European Regulation 2016/1628. These new motorizations allow to exponentially reduce the emissions of particulate matter and nitrogen oxides delivered by the generator into the environment, and ensure a reduction in environmental impact of 200% compared to standard motorizations.

#### TECHNICAL FEATURES ECOGREEN KDG12EA3

Phase type: Singlephase / Threephase  
Continuous SinglePhase Power: 3.6 KVA / 3 KW  
Maximum SinglePhase Power: 4 KVA / 3.2 KW  
Continuous ThreePhase Power: 11 KVA / 8.8 KW  
Maximum ThreePhase Power: 12 KVA / 9.6 KW  
Voltage: 230/400 V  
Frequency (Hz): 50  
Voltage regulator: AVR  
Starting: Electric  
Engine: KD2V80  
Revolutions per minute RPM: 3000  
Emissions regulations: Stage V

Power supply: Diesel  
Socket panel: 1 x 16A 230V - 1 x 32A 400V  
Tank capacity: 34 l  
Consumption @ 75% of the load: 3 l / h  
Autonomy @ 50% of the load: 11 h  
Sound pressure: 80 dB (A)  
Length: 1060mm  
Width: 660mm  
Height: 880 mm  
Net weight: 220 Kg

Are you looking for a generator with different technical characteristics? [HERE](#) you can find the area dedicated to ECOGREEN generators or other specialized brands.

Images and technical data are not binding.

## Technical Sheet

Phase	Single phase / Three phase
Maximum power single phase (KW)	3
Continuous power single phase (KW)	3.2
Maximum power single phase (KVA)	4
Continuous power single phase (KVA)	3.6
Maximum power three phase (KW)	9.6
Continuous power three phase (KW)	8.8
Maximum power three phase (KVA)	12
Continuous power three phase (KVA)	11
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	230 / 400
Sockets configuration	1 x 16A 230V - 1 x 32A 400V
Engine	KD2V80
Emissions Regulations	Stage 5
Engine rpm (rpm)	3000
Starting system	Electric
Poles	2
Fuel tank capacity (L)	34
Consumption (L/h)	3 l/h at 75% load
Running time (h)	11 h at 75% load
Acoustic pressure	80 dB(A) at 7 m
Length (mm)	1060

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Width (mm)	660
Height (mm)	880
Dry weight (Kg)	220
Silenced	Yes
Super silenced	No
ATS Switch device	No ATS
Voltage regulator	AVR

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