



DINGOL DG274C Three-phase Alternator 100 kVA AVR

Reference: DG274C

DINGOL DG274C THREE-PHASE 100KVA AVR

DINGOL DG274C is a three-phase brushless alternator capable of delivering a maximum power of 100KVA complete with AVR voltage regulator.

All components that make up the alternator are subjected to a specific coating and/or impregnation process to safeguard the functionality of the generator and to protect the critical peers in various conditions of use.

DINGOL DG274C responds optimally even in the presence of non-linear loads. This result is obtained by winding the electric cable of the stators with a pitch of 2/3, thus eliminating third order harmonics ($3^\circ - 9^\circ - 15^\circ$) from the voltage curve. This also eliminates the excess of neutral current that sometimes appears with larger pitch windings, during grid parallel operation.

DINGOL DG274C is a brushless alternator, this feature together with the high efficiency of the AVR ensure a low level of interference with radio waves.

DINGOL DG274C have twelve terminal blocks and are delivered pre-configured in three-phase configuration unless otherwise specified by the customer. If it is necessary to change the configuration, all possible configurations are marked on the back of the termination box cover.

The DINGOL DG274C is available in stand-alone and dual stand versions. For DG16.. models both SAE 4,5,6 flanges and SAE 6.5 7.5 8 and 10 discs are available. For DG18.. models both SAE 2,3,4,5 flanges and SAE 6.5 7.5 8 10 and 11.5 discs are available. SAE 1 is only available for the DG18.. two-support model.

AVR VOLTAGE REGULATOR

AVRs are installed indifferently on alternators intended for industrial use and those intended for marine use. They allow to transfer in a constant way the necessary energy from the excitation stator to the main exciter independently from the power developed instant by instant by the generator.

The high efficiency of the AVR ensures operation even when the residual excitation current is very low. The output current from the excitation rotor that is used to power the main exciter passes through a wave rectifier bridge.

TECHNICAL CHARACTERISTICS DINGOL DG274C

Phase type: Three-phase

Voltage (V): 400

Frequency (Hz): 50

Revolutions per minute (rpm): 1500

Three-phase power (kW): 80

Three-phase power (kVA): 100

Alternator type: Constant speed

Voltage regulator: AVR
Brushless
Protection degree: IP22 (on request IP 23)
Weight (Kg): 435

Are you looking for an alternator with different characteristics? [Here](#) you can find the whole range DINGOL or other specialized brands.

Images and technical data are not binding.

Technical Sheet

Phase	Three phase
Frequency (Hz)	50
Voltage (V)	400
Engine rpm (rpm)	1500
Three-phase power (KW)	80
Three-phase power (KVA)	100
Efficiency (%)	90.4
Protection degree	IP22
Length (mm)	840
Width (mm)	600
Height (mm)	960
Dry weight (Kg)	435
Brushes	No
PMG	Optional
Type of alternator	Constant Speed
Voltage regulator	AVR