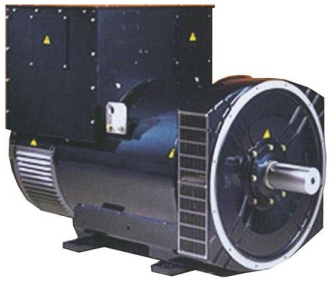

DINGOL DG634E Three-phase Alternator 1000 kVA AVR

Product description:

DINGOL DG634E THREE PHASE 1000KVA

DINGOL DG634E is a three-phase brushless alternator capable of delivering a maximum power of 1000KVA complete with AVR.

All the components that make up the DINGOL DG634E are subjected to a specific coating and/or impregnation process to safeguard the functionality of the generator and to protect the critical parts in the various conditions of use.

DINGOL DG634E alternators have twelve end terminals and are delivered pre-configured in three-phase mode unless otherwise specified by the customer. However, if it is necessary to change the configuration, a table of possible configurations is shown on the back of the terminal box cover. The termination box has ample space for wiring and also houses the regulator. Two removable panels allow easy and quick side access to the termination box.

DINGOL DG634E are designed to guarantee an IP22 protection class for industrial use suitable for protection from normal weather conditions.

DINGOL DG634E is equipped with twelve terminal blocks and are delivered pre-configured in three-phase configuration unless otherwise specified by the customer. However, if it is necessary to change the configuration, a table of possible configurations is shown on the back of the termination box cover.

The AVR is an electronic device that regulates the alternating current coming from the alternator and converts it into direct current.

By means of an AVR it is possible to convert the alternating into direct current and thus avoid voltage and current surges.

The AVR applied to synchronous generators, has as its objective the maintenance of a constant operation of the machine, in its regime of greater efficiency. Generally, this means maintaining the power factor at values close to 1, but if the synchronous machine is also used to phase other users present in the same settlement, these values may vary.

If the generator has an excitation current value lower than the nominal value, the AVR absorbs the current later than the voltage; if the value is higher, the AVR absorbs the current earlier. This is the main purpose of this instrument.

In which fields is the voltage regulator used the most? In addition to synchronous generators, it is widely used in vehicle transportation and in power supply circuits for electronic boards, where it stabilizes DC voltages at lower values.

The AVR via sensing regulates the voltage of the alternator output with a control margin of 0.5% over or under, from no-load to full load, including variations from cold to operating temperature, up to cos-phy 0.8 and up to a variation r.p.m. Of the engine of 4%.

TECHNICAL CHARACTERISTICS DINGOL DG634E

Phase Type: Three Phase
Power Supply Voltage: 400 - 440 V
Frequency: 50 - 60 Hz
Maximum Power (50 Hz): 800KW
Maximum Power (50 Hz): 1000KVA
Maximum Power (60 Hz): 916KW
Maximum Power (60 Hz): 1145KVA
Revolutions Per Minute: 1500 rpm
Efficiency %: 94. 5
Brush type: Brushless
Voltage regulator: AVR
Protection class: IP22
Width: 1578 mm
Length: 893 mm
Height: 1148 mm
Dry weight: 2320 Kg

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.

Product features:

Phase: Three phase
Maximum power three phase (KW): 800
Maximum power three phase (KVA): 1000
Frequency (Hz): 50 / 60
Voltage (V): 400
Engine rpm (rpm): 1500
Efficiency (%): 94.5
Protection degree: IP22
Length (mm): 1578
Width (mm): 893
Height (mm): 1148
Dry weight (Kg): 2320
Brushes: No
Type of alternator: Constant Speed
Voltage regulator: AVR