



MECC ALTE ECO38 2S/4 C-TYPE 200KVA THREEPHASE ALTERNATOR

Reference: ECO38 2S/4 C-TYPE double bearing

MECC ALTE ECO38 2S/4 C-TYPE THREEPHASE 200KVA ALTERNATOR WILL AVR

The alternator MECC ALTE ECO38 2S/4 C-TYPE threephase is capable of delivering a power of 200KVA complete with AVR digital voltage regulator.

The robust construction of the alternator ECO38 2S/4 alternator can withstand up to 5G in any direction and 9G vertically. Its design allows easy access to connections and components during routine maintenance checks. The mechanical design has used the most advanced FEM Techniques.

The materials used for the construction of the MECC ALTE of 200KVA structure are: FEP12 steel for the frame, C45 steel for the shaft and cast iron or pressure die-cast aluminum for the end supports: the fans are made of die-cast aluminum or fiberglass reinforced nylon, materials conforming to UL standards. The rotors are dynamically balanced according to grade 2.5 of ISO 1940-1.

In addition to the protection on the same windings, the MECC ALTE ECO38 2S/4 alternator can have a higher protection at the inlet. The standard levels are IP23 with further updates available to include input filters, IP43 and IP45: 7%. Input filters and IP43 are subject to de-rating. 20-30% de-rating applies for IP45 depending on model.

EG43 grey paint, is a high temperature insulating enamel that forms a resistant and flexible film with excellent chemical and moisture protection.

It is water and oil resistant, and also protects the windings from abrasion. It is applied by spraying a layer of coating onto the impregnated winding, or by dipping the stator into a cylinder of paint for superior treatment.

The alternator ECO38 2S/4 of 200KVA is supplied with TOTAL+ treatment, this is a treatment that offers superior performance when the environment is really difficult, or the application is very demanding. TOTAL+ a rubbery treatment, used to replace the encapsulation of epoxy and silicone windings.

The alternator ECO38 2S/4 200KVA is designed and manufactured in ISO 9001 environment. The whole series is manufactured according to the most common specifications such as CEI 2-3, IEC 34-1, EN 60034-1, VDE 0530, BS 4999-5000, NF 51.111, CAN/CSA-C22.2 No14-95-No100-95, NEMA MG 1-2011, ISO 8528-3. Other standards such as UL1446, UL 1004/4 and /B are available upon request.

TECHNICAL CHARACTERISTICS MECC ALTE ECO38 2S/4 C-TYPE 200KVA

Phase Type: Single Phase / Three Phase

Maximum Three Phase Power: 220KVA / 176 KW

Three Phase Continuous Use Power: 200KVA / 160 KW

Maximum Single Phase Power: 100KVA / 100 KW

Single Phase Continuous Use Power: 88KVA / 88 KW

Frequency: 50 - 60 Hz

Voltage: 230 V / 400 V

Protection class: IP23
 Alternator speed: 1500 / 1800 rpm
 Number of poles: 4
 Efficiency: 92.9%
 Width: 602.6 mm
 Length: 856 mm
 Height: 824 mm
 Weight: 550Kg
 Constant speed alternator
 Brushless
 Voltage regulator: DSR (AVR)

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Images and technical data are not binding.

Technical Sheet

Phase	Single phase / Three phase
Maximum power single phase (KW)	100
Continuous power single phase (KW)	88
Maximum power single phase (KVA)	100
Continuous power single phase (KVA)	88
Maximum power three phase (KW)	176
Continuous power three phase (KW)	160
Maximum power three phase (KVA)	220
Continuous power three phase (KVA)	200
Frequency (Hz)	50 / 60
Voltage (V)	230 / 400
Engine rpm (rpm)	1500 / 1800
Poles	4
Single-phase power (KVA)	100
Three-phase power (KVA)	220
Efficiency (%)	92.9
Protection degree	IP23
Brushes	No
PMG	No
Type of alternator	Constant Speed
Voltage regulator	AVR
Weight (Kg)	550