



## MECC ALTE ES16W-90 SINGLE PHASE ALTERNATOR 3,0 KVA

Reference: ES16W-90

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The alternator MECC ALTE ES16W-90 single-phase, 2-pole is capable of delivering 3,0KVA continuous power complete with ASR voltage regulator.

MECC ALTE ES16W-90 alternators are designed to be exceptionally versatile, they are made to be suitable for all applications where an easy to transport power source is needed.

Mecc Alte portable alternators are available with a wide range of shafts, flanges and fittings. The 2-pole rotors have a damping cage and the stator windings have a reduced pitch to reduce harmonic content.

MECC ALTE ES16W-90 single-phase alternators are designed without brushes and offer high operational reliability. As there are no collectors or sliding contacts, minimal maintenance is required. The three-phase range is designed with brushes and slip ring and is controlled by the transformer. This allows for high load capacity, ideal for engine starting applications.

The MECC ALTE ES16W-90 alternator range is single phase AVR controlled, but designed with brushes and slip ring to allow good voltage regulation and better engine starting; power loads other than power factor 1.0, such as modern electronic products or pumps.

The purpose of the ASR is to keep the output voltage stable. Its operation is very simple, when resistive loads are fed, more complex is the matter in case of mainly inductive loads: the delayed current counteracts 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. If the load is capacitive, the current magnetizes the inductor causing an increase of the output, and the AVR intervenes reducing the excitation current.

#### TECHNICAL CHARACTERISTICS MECC ALTE ES16W-90

Phase type: Single phase

Singlephase maximum output: 3,0 KW

Singlephase continuous output: 2,4 KW

Singlephase maximum output: 3,5 KVA

Singlephase continuous output: 3,0 KVA

Frequency: 50 - 60 Hz

Voltage: 230 V

Degree of protection: IP21

Alternator speed: 3000 rpm

Number of poles: 2

Sound pressure level: 72 dBA (56 dBA at 7 m)

Efficiency: 74,2

Weight: 17,5 Kg

Constant speed alternator  
Voltage regulator: ASR

Are you looking for an alternator with different characteristics? [Here](#) you can find all MECC ALTE range and other specialized brands

Images and technical data are not binding and may be subject to manufacturer's revisions.

## Technical Sheet

Phase	Single phase
Maximum power single phase (KW)	3
Continuous power single phase (KW)	2.4
Maximum power single phase (KVA)	3.5
Continuous power single phase (KVA)	3
Frequency (Hz)	50 / 60
Voltage (V)	230
Engine rpm (rpm)	3000
Poles	2
Single-phase power (KVA)	4
Efficiency (%)	74.2
Protection degree	IP21
Acoustic power	72 dB(A)
Acoustic pressure	56 dB(A) at 7 m
Brushes	Yes
PMG	No
Type of alternator	Constant Speed
Voltage regulator	ASR
Weight (Kg)	14.3