



## MECC ALTE ES16W-105 SINGLE PHASE ALTERNATOR 3,5 KVA

Reference: ES16W-105

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The alternator MECC ALTE ES16W-105 single-phase, 2-pole is capable of delivering 3.5KVA continuous power complete with ASR voltage regulator.

MECC ALTE ES16W-105 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-105 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 MECC ALTE ES16W-105 range of alternators are 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.

#### TECHNICAL CHARACTERISTICS MECC ALTE ES16W-105

Phase type: Single-phase  
Maximum singlephase power: 3,5 KW  
Singlephase continuous use power: 2,4 KW  
Maximum singlephase power: 4,1 KVA  
Singlephase continuous use power: 3,5 KVA  
Frequency: 50 - 60 Hz  
Voltage: 230 V  
Degree of protection: IP21  
Alternator speed: 3000 rpm  
Number of poles: 2  
Acoustic pressure: 72 dBA (56 dBA at 7 m)  
Efficiency: 77%.  
Weight: 19,6 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)	3.5
Continuous power single phase (KW)	2.4
Maximum power single phase (KVA)	4.1
Continuous power single phase (KVA)	3.5
Frequency (Hz)	50 / 60
Voltage (V)	230
Engine rpm (rpm)	3000
Poles	2
Single-phase power (KVA)	4
Efficiency (%)	77
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