



## MOSA GE SX-18054 KDT GENERATOR 17,5KVA SINGLE-PHASE / THREE-PHASE STAGE V

Reference: CM6S10U3BP

### MOSA GE SX-18054 KDT GENERATOR 17,5KVA SINGLE / THREE-PHASE STAGE V

MOSA GE SX-18054 KDT is a single / three-phase generator with KOHLER KDW1003 StageV Diesel engine, capable of delivering a maximum power of 17,5KVA, **complete with AVR.**

MOSA GE SX-18054 KDT is equipped with an AVR that allows connection with sensitive electronic devices (computers, smartphones, TVs) without the risk of damaging them due to surges in the supply.

The purpose of the AVR in a power source is to keep the output stable. And if its operation is very simple when resistive loads are supplied, the situation is more complex in the case of mainly inductive loads: the delayed phase-shifted current contrasts the inductor magnetic field, causing a voltage drop at the alternator output terminals. ; to compensate for the phenomenon, the AVR intervenes automatically by increasing the excitation current, until the output returns to the nominal value.

#### STAGEV EMISSIONS REGULATION

The generating set is equipped with a "mobile" STAGEV motorization, as required by the European Regulation 2016/1628. These new engines make it possible to exponentially reduce the emissions of particulate matter and nitrogen oxides delivered by the generator into the environment, and ensure a reduction in the environmental impact of 200% compared to standard engines.

The MOSA GE SX-18054 KDT is supplied complete with:

- Digital control unit
- Complies with the German Regulation DGUV-I - 203-032
- Insulation monitor
- Four-pole magnetothermic switch
- RCD 30mA
- Sealed base capable of containing any leaks of the liquids present in the motor avoiding environmental pollution
- Casing with wide opening for allow easy maintenance (replacement of air, oil, fuel filters)
- Large capacity tank
- Fuel level sensor
- Coolant temperature and engine oil pressure indicators
- Battery switch
- External plugs for draining oil and water
- Emergency button - Ready for remote Start and Stop control
- Ready for connection to PAC-I switchboard (ATS)

#### Technical characteristics of MOSA GE SX-18054 KDT:

Phase type: Single/ Three-phase

Maximum Threephase power: 17.5 KVA / 14 KW  
 Threephase Continuous Power: 16 KVA / 12.8 KW  
 Singlephase Continuous Power: 7.5 KVA / 7.5 KVA  
 Fuel: Diesel  
 Voltage: 230 - 400 V  
 Frequency: 50 Hz  
 Engine: KOHLER KDW1003  
 Starting: Electric  
 Emissions regulations: Stage V  
 Number of cylinders: 3  
 Displacement: 1028 cc  
 Engine revolutions: 3000 rpm  
 Sockets panel: 1x 400V 32A 3P CEE | 2x 230V 16A 2P CEE | 1x 230V Schuko  
 Voltage regulator: AVR  
 Tank capacity: 38 l  
 Autonomy: 10.3 h at 75% of the load  
 Consumption: 3.68 l / h at 75% of the load  
 Acoustic pressure: 68 dB (A) @ 7 m  
 Length: 1784 mm  
 Width: 710 mm  
 Height: 1115 mm  
 Weight: 394 Kg

Are you looking for a product with different technical characteristics? [HERE](#) you can find the full range of Mosa generators and other specialized brands.

Images and technical data not binding.

## Technical Sheet

Phase	Single phase / Three phase
Continuous power single phase (KW)	7.5
Continuous power single phase (KVA)	7.5
Maximum power three phase (KW)	14
Continuous power three phase (KW)	12.8
Maximum power three phase (KVA)	17.5
Continuous power three phase (KVA)	16
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	230 / 400
Sockets configuration	1x 400V 32A 3P CEE   2x 230V 16A 2P CEE   1x 230V Schuko
Engine	Kohler KDW1003
Emissions Regulations	Stage 5
Engine rpm (rpm)	3000
Speed governor	Mechanical

Starting system	Electric
Engine capacity (cm <sup>3</sup> )	1028
Number cylinders	3
Oil capacity (L)	2.6
Cooling	Water
Alternator	Synchronous self-excited, self-regulated
Bore x stroke (mm)	75 x 77.6
Fuel tank capacity (L)	38
Consumption (L/h)	3.68 at 75% load
Running time (h)	10.3 at 75% load
Acoustic power	93 dB(A)
Acoustic pressure	68 dB(A) at 7 m
Length (mm)	1784
Width (mm)	710
Height (mm)	1115
Dry weight (Kg)	394
Silenced	Yes
Super silenced	Yes
Product type	Generator
ATS Switch device	Optional ATS
Voltage regulator	AVR
Engine manufacturer	Kohler