



# MOSA GE 20000 KS GS

## Product description:

MOSA GE20000KS-GS SINGLE-PHASE COMPOUND 16KW

MOSA GE20000KS/GS is a model of silenced generator set, with a tank capacity of 26 liters for 6.5h of continuous operation. Thanks to the Compound output voltage regulation system, the generator is able to supply current when more than the rated amount is required for a short period.

With only 420kg, the MOSA GE20000KS-GS is compact and easily transportable with the approved slow tow truck or fast tow truck.

The MOSA generator includes a roll bar, lifting hook, fork entry and tank and thanks to the fairing, the noise level is minimal. The flush-mounted control panel can be padlocked and houses the machine's outlets and controls, including the residual current circuit breaker, circuit breaker and motor protection.

The MOSA GE20000KS-GS generator set is designed to be connected to the EAS automatic start panel, allowing the machine to be used as an emergency unit in the event of a main power failure from the commercial electrical grid.

MOSA GE20000KS-GS A TCM remote control is also available, allowing the motor to be started/stop up to 10 meters away from the machine.

Suitable for a wide range of uses such as construction, equipment rental, events.

The GE20000KS-GS is also available with a TCM remote control.

Technical features of the MOSA GE20000KS-GS:

Three-phase Stand-by Output (LTP): 20 kVA (16 kW) / 400 V / 28.9A

Three-phase PRP Output: 18 kVA (14.4 kW) / 400 V / 26A

Single-phase PRP Output: 9 kVA / 230 V / 39.1 A

Frequency: 50 Hz

Cos  $\phi$ : 0.8





## MOTOR TECHNICAL DATA

Model: KOHLER KD 625/2

Net standby output: 18.8 kWm (25.5 hp)

Net output: 17.1 kWm (23. 2 hp)

Cylinders / Displacement: 2/ 1248 cm<sup>3</sup> (1.248 l.)

Bore / Stroke: 95 / 88 (mm)

Compression Ratio: 18. 3 : 1

RPM Regulator: Mechanical

110 % (Standby Power): 5.8 lt./h

100 % PRP: 5.3 lt./h

75 % PRP: 4 lt./h

50 % PRP: 2.7 lt./h

Cooling System: Air

Fan Air Flow: 26. 3 m<sup>3</sup>/min

Sump oil capacity: 2.8 lt

Full load oil consumption: Maximum exhaust gas flow: 4.8 m<sup>3</sup>/min

Maximum exhaust gas temperature: 600 °C

Maximum back pressure: 9 kPa (0. 09 bar)

Electrical system: 12 Vdc

Starter motor power: 1.7 kW

Battery charge alternating capacity: 18 A

With cold starting device: - 15°C 1000 rpm / - 8°C 3000 rpm

Air filter: oil bath

Combustion air flow: 1.6 m<sup>3</sup>/min.

## TECHNICAL DATA ALTERNATOR

Continuous power: 22 kVA

Standby power: 24 kVA

Single-phase voltage: 400 Vac

Frequency: 50 Hz

Cos  $\phi$ : 0. 8

Voltage regulation accuracy:  $\pm$  4 %

Sustained short circuit current: Transient Cdt (100% load): Efficiency at 100% load: 86 % (400V - Cos  $\phi$  0. 8)

Isolation: Class H

Connection - Terminals: Series - No. 6

Harmonic distortion - THD: Direct synchronous - Xd: 373%

Direct transitory - X'd: 29%

Direct subtransitory - X "d: 12%

Synchronous in quad. - Xq: 162%

Transitory - T'd: 0.047

Subtransitory - T'd: 0.006

Unloaded - T'do: 0.6

Kcc short-circuit ratio: 0.42

Protection Class: IP 23





Coupling - Bearings: Direct Std Lombardini - N°1

### GENERAL SPECIFICATIONS

Tank capacity: 26 lt

Run time (75% of PRP): 6. 5 h

Battery: 12 Vdc -60Ah

Acoustic power measured LwA: 99 dB(A) (74 dB(A) @ 7 m)

Performance class: G2

Length: 1455 mm

Width: 840 mm

Height: 880 mm

Weight: 420 Kg

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The images and technical data are not binding and may be subject to change by the supplier.

### Product features:

Phase: Single phase / Three phase

Continuous power single phase (KW): 7.2

Continuous power single phase (KVA): 9

Maximum power three phase (KW): 16

Continuous power three phase (KW): 14.4

Maximum power three phase (KVA): 20

Continuous power three phase (KVA): 18

Fuel: Diesel

Frequency (Hz): 50

Voltage (V): 230 / 400

Sockets configuration: 1 x 400V 32A 3P+N+T CEE - 2 x 230V 32A 2P+T CEE

Engine: Kohler KD 625/2, 4 stroke

Emissions Regulations: Stationary Use

Engine rpm (rpm): 3000

Starting system: Electric

Engine capacity (cm³): 1248

Number cylinders: 2

Cooling: Air

Inyección : Direct

Alternator: Sincrono trifase, autoeccitato, autoregolato

Product type: Generator

ATS Switch device : Optional

Voltage regulator: Compound

Engine manufacturer: Kohler



