



KOHLER 45EFOZDJ Three-phase 55 kVA 50 Hz Marine Generator Set

Reference: 4501512DJ

Super-silenced KOHLER 45EFOZDJ Marine Generator 55 KVA AVR

Kohler 45EFOZDJ three-phase 55 KVA marine generator and single-phase 45 KVA generator with 1500 rpm motor. The KOHLER 45EFOZDJ marine generator is built with a soundproof enclosure that makes it **supersilenced**. The KOHLER 45EFOZDJ marine generator is built with a 4-cylinder diesel-powered John Deere engine. The alternator of the KOHLER 45EFOZDJ is brushless with **AVR** voltage regulator and water-cooled. With its small size, the 45EFOZDJ marine generator is perfect for installation on boats of various sizes.

Technical Data:

Phase Type: Single/Three Phase
SinglePhase Continuous Power: 45 KW
SinglePhase Continuous Power: 45 KVA
ThreePhase Continuous Power: 44 KW
ThreePhase Continuous Power: 55 KVA
Permanent magnet brushless alternator
Heat exchanger/ Cooled keel
Fuel: Diesel
Frequency: 50 Hz
Voltage: 110/190 V, 110/220 V, 120/208 V, 115/230 V, 220/380 V, 230/400 V, 240/416 V
Motor: John Deere
Electrical system 12v c. c.
Engine RPM: 1500 rpm
Length: 1633 mm
Width: 767 mm
Height: 1015 mm
Dry weight: 1063 Kg

Features of the KOHLER 45EFOZDJ

- The engine is Environmental Protection Agency (EPA) Tier III compliant (60 Hz model only)
- The unique Fast-Responder X excitation system provides excellent voltage response and short-circuit capability using a permanent magnet rare-earth excited alternator
- The rotating field brushless alternator has wide range reconnectability
- Remote control connector
- Class H insulation
- Connectable voltage
- Single or three phase reconnectable alternator
- Voltage regulation of $\pm 0, 5\%$.
- Frequency adjustment of 0.5%.
- Cooled heat exchanger configuration includes an exhaust curve

- Cooled keel configuration includes a dry exhaust curve

Engine features of the KOHLER 45EFOZDJ

- One-sided serviceability of fuel system, lubrication system and air filter
- Low oil pressure cutout
- High water temperature cutout
- Coolant cutout leakage
- Overcrank cutout
- Belt guard
- Optional digital gauge
- Disposable oil filter
- Extended oil drain
- PTO options: 12 or 24 volt electric clutch

KOHLER 45EFOZDJ alternator features

- Complies with NEMA MG1, IEEE and ANSI standards for temperature rise and engine start.
- Able to withstand a line-to-neutral short circuit current of up to 300% of rated current for up to 2 seconds. Able to withstand sustained short circuit current up to 300% of rated current for up to 10 seconds for 3 phase connections. (Short-circuit performance IEC 60092-301).
- Sustained short-circuit current allowing downstream circuit breakers to trip without collapsing the alternator field.
- Self-ventilated and watertight construction.
- Vacuum-impregnated windings with epoxy paint for reliability and long life.
- Superior voltage waveform from a two-thirds pitch stator and inclined rotor.

If you are looking for marine generators like the KOHLER 45EFOZDJ but with different features you can view the entire catalog of [marine generators](#).

Pictures and technical data are not binding.

Technical Sheet

Phase	Single phase / Three phase
Continuous power single phase (KW)	45
Continuous power single phase (KVA)	45
Continuous power three phase (KW)	44
Continuous power three phase (KVA)	55
Fuel	Diesel
Frequency (Hz)	50
Engine	Kohler
Emissions Regulations	Stationary Use
Engine rpm (rpm)	1500
Speed governor	Electronic
Engine capacity (cm ³)	4500
Number cylinders	4
Cylinders' position	In line
Oil capacity (L)	15

Cooling	Water
Inyección	Direct
Alternator	Permanent magnets
Poles	4
Bore x stroke (mm)	106 x 127
Compression ratio	16 : 1
Motor insulation class	H
Consumption (L/h)	7.4 at 75% of the load
Length (mm)	1633
Width (mm)	767
Height (mm)	1015
Dry weight (Kg)	1063
Silenced	Yes
Super silenced	Yes
Brushes	No
PMG	Yes
Input voltage (V)	12
Type of combustion	Direct
Product type	Generator
Type of alternator	Constant Speed
Voltage regulator	AVR
Engine manufacturer	John Deere