



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

## Product description:

### 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



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- 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.

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**Product features:**

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<sup>3</sup>): 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

