



# 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





- The engine is Environmental Protection Agency (EPA) Tier III compliant (60 Hz model only)
- The unique Fast-Responser 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.





**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

