



100 kW

Diesel Generators / 100REOZJD

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Features

- Kohler Co. provides one-source responsibility for the generating system and accessories.
- The generator set and its components are prototype-tested, factory-built, and production-tested.
- The 60 Hz generator set offers a UL 2200 listing.
- The generator set accepts rated load in one step.
- The 60 Hz generator set meets NFPA 110, Level 1, when equipped with the necessary accessories and installed per NFPA standards.
- The generator set complies with ISO 8528-5, Class G2, requirements for transient performance in all generator set configurations. Select the Decision-Maker® 550 controller for improved voltage regulation and ISO 8528-5, Class G3, compliance.
- The 60 Hz generator set engine is certified by the Environmental Protection Agency (EPA) to conform to Tier 3 nonroad emissions regulations.
- A one-year limited warranty covers all systems and components. Two-, five-, and ten-year extended warranties are also available.

Alternator features:

- The unique Fast-Response(TM) II excitation system delivers excellent voltage response and short circuit capability using a permanent magnet (PM)-excited alternator.
- The brushless, rotating-field alternator has broad range reconnectability.
- NEMA MG1 ,IEEE, and ANSI standards compliance for temperature rise and motor starting.
- Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds.
- Sustained short-circuit current enabling down stream circuit breakers to trip without collapsing the alternator field.
- Self-ventilated and drip-proof construction.
- Vacuum-impregnated windings with fungus-resistant epoxy varnish for dependability and long life.
- Superior voltage waveform from a two-thirds pitch stator and skewed rotor.
- Fast-Response(TM) II brushless alternator with brushless exciter for excellent load response.

Other features:

- Controllers are available for all applications.
- The low coolant level shutdown prevents overheating (standard on radiator models only).

- Integral vibration isolation eliminates the need for under-unit vibration spring isolators.

Specifications

Prime Ratings:	92 kW (115 kVa)
Standby Ratings:	100 kW (125 kVa)
Hertz:	60 Hz
Alternator Type:	Brushless, Permanent-Magnet
EPA Tier Level:	3
Engine Manufacturer:	John Deere
Engine Model:	4045HF285I
Cylinder Arrangement:	4 Inline
Max Power at Rated RPM:	118 kWm (158 BHP)
Prime Fuel Consumption at	
100% load:	27.6 Lph (7.3 gph)
75% load:	22.7 Lph (6 gph)
50% load:	14.4 Lph (3.8 gph)
25% load:	7.6 Lph (2 gph)
Standby Fuel Consumption at	
100% load:	31 Lph (8.2 gph)
75% load:	25 Lph (6.6 gph)
50% load:	17.8 Lph (4.7 gph)
25% load:	9.5 Lph (2.5 gph)

Options

Generator Controls

[Decision-Maker® 550](#)

[Decision-Maker® 3+](#)