

137 kVA

STANDBY POWER

125 kVA

PRIME POWER

THREE PHASE

415V | 50HZ

1500 RPM

680 L TANK

OVERVIEW

The LG125D3 is a 125kVA three phase diesel generator rated 125kVA (100kW) prime and 137kVA (110kW) standby at 415V, 50Hz and a power factor of 0.8. It is powered by a four-cylinder turbo diesel, water cooled and running at 1500 rpm, and drives a four-pole brushless synchronous alternator with AVR. Starting is electric at 24 volts with the batteries included, and protection is an IP67-enclosed RCD plus over current protection.

TECHNICAL OVERVIEW

Output	125kVA (100kW) prime, 137kVA (110kW) standby @ 0.8PF
Rated current	175 Amps per phase (prime)
Phase / voltage	Three phase, 415V, 50Hz
Fuel	Diesel
Fuel tank	680 L
Fuel use	25 L/hr at prime load
Run time	27 hrs continuous at prime load
Noise level	67 dB(A) @ 7m
Canopy	Lockable, sound deadened, weather-resistant powder coat, stainless steel fittings
Mine spec	Mine site ready bunding
Warranty	12 months or 1,000 hours

ENGINE

Engine	Four-cylinder turbo diesel, 1500rpm, water cooled
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OUTLETS & PROTECTION

Outlets	2 x 32 Amp and 1 x 20 Amp three phase and 1 x 15 Amp single phase IP66 outlets
Hardwire terminals	Yes
Protection	RCD to Australian Standards (IP67 enclosed), over current protection

ALTERNATOR

Alternator	Three phase 4-pole brushless synchronous alternator with AVR
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CONTROLS

Controller	ComAp AMF20, two-wire remote start
Start type	24 volt electric, batteries included

DIMENSIONS & WEIGHT

Dimensions (L x W x H)	266 x 107 x 188 cm
Weight	2,100 kg

STANDARD FEATURES

- The engine turns at 1500 rpm and drives a four-pole alternator, the pairing that produces a 50Hz supply.
- Brushless construction removes brush wear from the alternator, and the AVR keeps the output voltage steady as the load changes.
- The set can be started remotely: the ComAp AMF20 controller has a two-wire start input for an external switch or controller.
- Two 32A and one 20A three phase outlets and one 15A single phase outlet are rated IP66 (dust tight and protected against powerful water jets), and hardwire terminals are fitted for a fixed connection.
- Access to the set is restricted by a lockable canopy that is sound deadened, with a weather-resistant powder coat and stainless steel fittings.
- The specification includes mine site ready bunding, which contains fuel spills.

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