

182 kVA

STANDBY POWER

165 kVA

PRIME POWER

THREE PHASE

415V | 50HZ

1500 RPM

950 L TANK

OVERVIEW

The LG165D3 is a 165kVA three phase diesel generator rated 165kVA (132kW) prime and 182kVA (145kW) standby at 415V, 50Hz and a power factor of 0.8. Power comes from a six-cylinder turbo diesel, water cooled and turning at 1500 rpm, which drives a four-pole brushless synchronous alternator with AVR. It starts electrically at 24 volts with the batteries included, and protection is an IP67-enclosed RCD plus over current protection.

TECHNICAL OVERVIEW

Output	165kVA (132kW) prime, 182kVA (145kW) standby @ 0.8PF
Rated current	231 Amps per phase (prime)
Phase / voltage	Three phase, 415V, 50Hz
Fuel	Diesel
Fuel tank	950 L
Fuel use	40 L/hr at prime load
Run time	24 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	Six-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)	320 x 115 x 215 cm
Weight	2,550 kg

STANDARD FEATURES

- The six-cylinder turbo diesel runs at 1500 rpm, the speed at which a four-pole alternator produces a 50Hz supply.
- The alternator is brushless, so there are no brushes to wear, and its AVR keeps the output voltage steady as loads come on and off.
- The ComAp AMF20 controller supports two-wire remote start, so a switch or external controller can start the set.
- Three phase outlets (two at 32A and one at 20A) and one 15A single phase outlet are rated IP66 (dust tight and protected against powerful water jets), and hardwire terminals suit a fixed connection.
- The lockable canopy is sound deadened, with a weather-resistant powder coat and stainless steel fittings.
- Sites that need spill containment get mine site ready bunding as part of the specification.

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