

8.8 kVA

STANDBY POWER

8 kVA

PRIME POWER

SINGLE PHASE

240V | 50HZ

1500 RPM

70 L TANK

OVERVIEW

The PL8D1 is an 8kVA single phase diesel generator rated 8kVA (8kW) prime and 8.8kVA (8.8kW) standby at 240V, 50Hz and a power factor of 1.0. It is powered by a three cylinder, water-cooled diesel running at 1500 rpm, which drives a four-pole brushless synchronous alternator with AVR. The 12 volt electric start comes with its battery, and protection is an IP67-enclosed RCD plus over current protection.

TECHNICAL OVERVIEW

Output	8kVA (8kW) prime, 8.8kVA (8.8kW) standby @ 1.0PF
Rated current	33 Amps (prime)
Phase / voltage	Single phase, 240V, 50Hz
Fuel	Diesel
Fuel tank	70 L single skin (not bunded)
Fuel use	2.3 L/hr at prime load
Run time	30 hrs continuous at prime load
Noise level	65 dB(A) @ 7m
Canopy	Lockable, sound deadened, weather-resistant powder coat
Warranty	12 months or 1,000 hours

OUTLETS & PROTECTION

Outlets	3 x 15 Amp and 1 x 32 Amp 240V IP66 outlets
Hardwire terminals	Yes
Protection	RCD to Australian Standards (IP67 enclosed), over current protection

DIMENSIONS & WEIGHT

Dimensions (L x W x H)	139 x 73 x 108 cm
Weight	590 kg

ENGINE

Engine	Three-cylinder diesel, 1500rpm, water cooled
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ALTERNATOR

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

Controller	ComAp AMF5, two-wire remote start
Start type	12 volt electric, battery included

STANDARD FEATURES

- With a power factor of 1.0, the 8kVA prime rating is also 8kW, so the full rating is available as real power.
- A four-pole alternator turning at 1500 rpm produces the 50Hz supply, and the brushless design means there are no brushes to wear.
- The AVR keeps the output voltage steady while appliances cycle on and off.
- The ComAp AMF5 controller has a two-wire remote start input, so an external switch or controller can start the set.
- Three 15A outlets and one 32A outlet, all 240V, are rated IP66 (dust tight and protected against powerful water jets), and hardwire terminals are fitted for a fixed connection.
- The canopy is lockable, which restricts access to the set, and it is sound deadened with a weather-resistant powder coat.

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