



ENIQUEST
AUSTRALIAN MADE DIESEL GENERATORS



RANGER ENCLOSED SERIES

4.5 - 13 kVA DIESEL GENERATORS

ISO 9001 CERTIFIED



Powered by



Compact Portable Diesel Generator

Extremely Compact | Simple Design | Highly Efficient | Better Motor Starting
Specially developed for construction, off-grid and multi-purpose reliable power

Here at Enquest, we have experience in some of the most engineering challenging designs that any generator company has had to endure. We are well known for our ability to adapt and create a product tailored to suit a customers needs.

Originally called Watts2C back in 2004, the brand changed to Enquest in 2011 when we diversified our product range. Don Pulver the director of Enquest has been in the power generation business for over 40 years. With our popularity over the years in particular with defence, we have grown rapidly over the last 5 years. This expansion has cemented our position in the market as we continue being the preferred supplier to defence and being able to service and maintain our generators in the many years to come.



There are many different reasons why customers choose Enquest, these reasons are outlined below:

- We design and manufacture our generators in Australia, none of the generators we sell are imported.
- Our generators are fitted with only the highest quality components, most parts sourced from Australia.
- The engines used are high quality, Japanese Yanmar engines. These are known to be virtually bulletproof, simple, and easy to source service parts for.
- Most of the AC Alternators that we use are a permanent magnet setup, designed here in Australia. These are the most compact, most efficient, and importantly have no electronics to fail- a common issue with standard alternators.
- Our DC alternators are built here at our facility, a compact permanent magnet design, and the only company building these in Australia.
- The controllers used on the generators designed by us, made locally in Brisbane. They are a simple yet effective controller that will withstand the harshest conditions, with some meeting MIL Specs.
- The enclosures and most panels are high grade aluminium meaning they will not rust, especially if they get scratched or hit.
- We make some of the most quiet running generators for thier size thanks to our ability to make custom made mufflers and using premium sound insulation panels.
- Our designs are based on the theory of “keeping it simple” removing the need for complicated electronics that lead to unwanted failures and making a product that lasts.
- A multi-award winning company for design innovation.
- Our generators are proven to be some of the most reliable on the market, a main reason why we supply so many generators for defence.



Watch Our Video

ABOUT THE RANGER

The Ranger series of generators were designed with idea of being extremely compact, lightweight and as quiet as possible. Our secret formula is using Yanmar diesel engines and the super-efficient RFL alternators, this allows us to achieve reliable high power outputs in such a small enclosure. We also use aluminium panels for the enclosed models that are lightweight but very strong and will not rust when scratched or in the weather. Our Ranger 8000 for instance is smaller, lighter, quieter and uses nearly 37% less fuel than the leading competitor in this segment.

These generators are hand built here in Queensland using locally sourced components. With simplicity in mind, the alternator design uses no electronics to regulate voltages which is a common failpoint on most generators. It also has a pure sine wave output thats natural as there are no electronics to modify the output, perfect for sensitive electronics. The PM330 controller is designed by us and manufactured in Queensland. This is a simple, reliable and powerful design using solid state relays, LED displays and a conformal coated single circuit board layout. The best part is that it draws absolutely no power when in standby mode including remote start.



**3 YEARS / 3000 HOURS
WARRANTY**

FEATURES

- Powdercoated zinc-rich primed steel base frame
- Aluminium panels for enclosed models
- High quality components
- Vibration reduction mounts
- Oversize alternator for better motor starting
- Extremely quiet running
- Very compact
- RFL Permanent Magnet alternator, self regulates (No AVR)
- Pure and natural sine wave voltage output
- World renowned Yanmar industrial engine
- High-crank sealed AGM battery
- Comprehensive range of options available
- 3 Years, 3,000 hour warranty

APPLICATIONS FOR USE

The Ranger series are quite versatile units and can be used for a variety of different industries.

Applications include:

- Bore Pumping
- Pivot and Irrigation
- General power for agriculture
- Mining
- Commercial
- Household Backup
- Food Trucks and Vans
- Market Stalls
- Site Power
- Solar and more!

GENERATOR	MOTOR (kW)	MOTOR (HP)
Ranger 4500 (4.5 kVA)	1.4 - 2.3	1.9 - 3.1
Ranger 7000 (7.0 kVA)	2.2 - 3.6	2.9 - 4.8
Ranger 8000 (8.0 kVA)	2.5 - 4.1	3.4 - 5.5
Ranger 11000 (11.0 kVA)	3.4 - 5.7	4.6 - 7.7
Ranger 13000 (13.0 kVA)	4.0 - 6.8	5.4 - 9.1

OPTIONAL EXTRAS



140L Bunded Tank

The Ranger enclosed models have an onboard 25L tank. If that's not enough, then a 140L tank will keep you running without needing to refuel as often. Perfect for when the generator is in a hard to access setting.



Three Phase Power

The Ranger series is standard as a single-phase output (Except Ranger 13000). For three-phase, we reconfigure the alternator and controller for three phase.



7-Day Timer

The 7-Day timer is a perfect option for allowing the user to set the generator to start at any particular time and day, and shut the generator down at any time and day.



E-Stop

An E-Stop may be required to meet site safety requirements. This E-stop is located in a convenient location on the generator controller.



Battery Isolator

Whilst the controller does not draw power when in Standby, a battery isolator is a good addition for when servicing your generator, locking a generator out from being started or placing into long term storage.



Additional Outlets

Two outlets not enough? Have two more. These outlets are added with individual RCD protection. This can only be done for Single Phase units only due to space restrictions.



Lockable Cabinet

Typically, most people do not have the need to lock the generator enclosure however, there are some applications where locking the cabinet is required to keep unauthorized people from touching things they shouldn't.



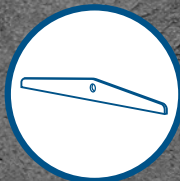
Mine Spec

Needed to suit mining application? We fit the 140L under base fuel tank, single lift point, e-stop, battery isolator, lockable cabinet, forklift pockets and a fire extinguisher to the generator. *May not suit all mine spec requirements ¹



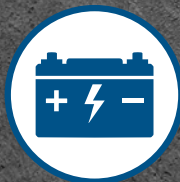
Forklift Pockets

Can't lift the generator but have a forklift? The forklift pockets are bolted to the base frame or tank and allows the generator to be moved around by a forklift.



Single Lifting Point

The generator has 4x lifting points on the top corners of the enclosure. Sometimes it's easier to lift with just one point, this option adds single lift point in the centre, and keeps the corner points to use as tie downs for transport.



Auxiliary Battery Charger

If the generator is expected to go extended periods of time without running or short run times, an auxiliary battery charger is recommended to maintain the charge of the crank battery.



Hardwire Terminal Studs

If the generator is going to be used as backup power, then it may be better to have the power hardwired to the generator rather than extension cords. This option removes the outlets, replaces the RCBO's to standard MCB's. ²

¹ Call us for more information on different specification requirements.

² Single phase units only. Not compatible with three phase options

And More!

STANDARD SPECIFICATIONS

Model	Ranger 4500	Ranger 7000	Ranger 8000	Ranger 11000	Ranger 13000
Continuous Output	4.5 kVA, 3.6 kW	7.0 kVA, 5.6 kW	8.0 kVA, 6.4 kW	11 kVA, 8.8 kW	13 kVA, 10.4 kW
Voltage	230V 50Hz Single Phase or <i>Optional 230/400V 50 Hz Three Phase</i>			230V 50Hz Single Phase	230/400V 50Hz Three Phase
Current @ 0.8pf	18.5A	29A	32A	44A	18.5A/Phase
Power Outlets	2x 15A 3 Pin GPO			1x 15A GPO, 1x 32A 3 Pin	1x 15A GPO, 1x 20A 5 Pin
Electrical Protection	RCBO protection, IP66 Covers, MEN Link				
Engine Make	Yanmar				
Engine Model	2TNV70-WLYE	3TNV70-GGE	2TNV70-HGE	3TNM68-HA	
Engine Displacement	0.570L	0.854L	0.570L	0.784L	
Cylinders	2	3	2	3	
Aspiration	Natural				
Engine RPM	1500		3000		
Fuel Type	Automotive Diesel (Up to 7% Biodiesel Compatible)				
Fuel Consumption (100%)	1.30L Per Hour	1.90L Per Hour	2.28L Per Hour	3.10L Per Hour	3.30L Per Hour
Standard Tank Capacity	None	25L			
Cooling	Water-cooled with on board radiator				
Noise (100% Load)	59 dB(A) at 7 Metres		64 dB(A) at 7 Metres	65 dB(A) at 7 Metres	65 dB(A) at 7 Metres
Service Intervals	12 Months or 250 Hours				
Alternator Model	RFL RF4-10	RFL RF4-20	RFL RF2-17.5		
Alternator Type	4 Pole Permanent Magnet Radial Flux		2 Pole Permanent Magnet Radial Flux		
Voltage Control	Inherent, Non-Electronic (Self Regulating)				
THD %	5.3%	5.9%	1.6%		1.5%
Alternator Rating	10kVA	20kVA	17.5kVA		
Alternator Efficiency	86.6%	91.2%	92.2%		95.2%
Generator Control	PM330 with 2 Wire Remote Start and Full Engine Protection				
12V Battery	230cca, 20Ah AGM	450cca, 30Ah AGM	230cca, 20Ah AGM	450cca, 30Ah AGM	
Maximum Operation	30° Angle -10°C to +45°C 3000m Above Sea Level				
Dimensions (LxWxH)	1137 x 626 x 745	1274 x 626 x 762	1137 x 626 x 745	1274 x 626 x 762	
Weight	286kg	345kg	280kg	322kg	
Warranty	3 Year, 3000 Hour Warranty				





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