



POWER TO GO
SERVE



POWERFUL DIESEL AC GENERATORS

HEAVY-DUTY MILITARY POWER



- High-quality pure sine wave output
- Quiet and very compact
- Remarkable fuel economy
- Exceptional 300% motor-starting capability
- Low operation speed (1500rpm) for long life
- Bulk fuel supply quick-connect fittings
- Made in Australia for Australian conditions
- Able to be paralleled (16kVA only)
- Easily deployable: fork pockets and single-point lifting frame
- Highly efficient permanent magnet alternator
- Digital instrument panel and management
- All powder coated aluminium enclosure
- 2-year limited warranty

POWERMAKER Ranger8.0AC POWERMAKER Ranger16.0AC

PowerMaker Ranger AC diesel generators use an innovative permanent-magnet alternator, which produces a stable, pure sine-wave output. The alternator's unsurpassed efficiency allows it to provide power from a compact, light-weight, and fuel efficient package.

Skilfully engineered by Enquest for performance and durability, these advanced generators provide a reliable supply of power for any demanding application, including military field power, field hospitals, mining plant and exploration, communication facilities and vehicle APUs.

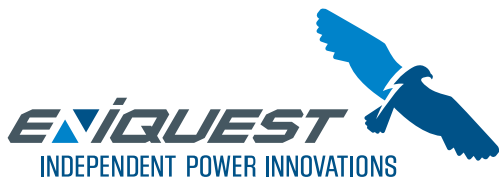
PowerMaker Ranger AC diesel generators are easily maintained, with all service points accessible from one side door, and a convenient on-board engine-oil extraction pump. All service parts and tools are housed in the CES compartment. The lightweight aluminium enclosure is quickly removed without the need for any lifting equipment. These are some of the many features that give our generators the lowest life-cycle cost.

PowerMaker Ranger AC diesel generators are designed and built in Australia by Enquest, the leader in generator technology, using only the highest-grade components and materials.

Enquest is committed to providing 100% through-life support, keeping these vital power products in service where they are needed.

With the robust paralleling ability of the PowerMaker Ranger up to three units can be added together to meet any demand, giving you all the power that you need, anywhere in the world.

	8.0	16.0
Power	8.0kVA 240V AC	16.0kVA 415/240V AC
Phase	3	3
Rating	Continuous	Continuous
RPM	1500	1500
Operation	Manual/Automatic	Manual/Automatic
Fuel	Diesel/JP8	Diesel/JP8
Parallelable	Yes	Yes



POWER TO GO

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The facts you need to know about Enquest generators

SOLAR | FUEL | HYBRID

SALES | SERVICE | CUSTOM

POWERMAKER Ranger8.0AC

POWERMAKER Ranger16.0AC

POWERMAKER Ranger		
Model	Ranger8.0AC	Ranger16.0AC
Maximum output*	8.0kW	16.0kW
Continuous output*	8.0kW	16.0kW
Voltage	415/240V AC 50Hz	
Continuous rated current	22A any one phase; 11.2A balanced 3-phases	22A per phase
Power factor	0.8 to unity	
AC output connection	5-pin military connector, 3 x 15A 3-pin GPOs with RCD	
Engine		
Engine make/model	Yanmar 3TNV70	Yanmar 4TNV88
Engine type	Diesel, naturally aspirated, indirect injected, industrial	
Number of cylinders	3	4
Operating speed - RPM	1500	1500
Cooling method	Water cooled with heavy-duty brass-cored radiator	
Water circulating pump	Mechanical, V-Belt Drive	
Fuel type	Automotive diesel or JP8	
Fuel consumption at full load	2.1 litres/hour	4.1 litres/hour
Fuel lift pump	Mechanical	
Maximum fuel suction capability	1.6 metres vertical	
Lube oil type	SAE30 in ambients from -20 to 30°C	
Lube oil capacity	2.8 Litres	7.4 Litres
Crank case oil evacuation	On-board hand pump	
Service intervals	250 hours	
Alternator		
Alternator type	4 pole permanent magnet, brushless	
Windings connection	Single phase open delta	Three phase star connected
Voltage control	Non electronic	
Voltage control accuracy	Within +/-3%	Three phase star
Efficiency	95%	96%
General		
Enclosure type	Noise reducing, fully enclosed, fully banded, in powder coated aluminium	
Noise emission @ full power @ 7 metres	63dBA	
Vibration isolation	High isolation angled at 45°, horizontal movement restrained	
Exhaust silencer	Integrated multi-chamber reactive and absorption	
Control type	DSP based with full generator management with digital display	
Dimensions - L x W x H mm	1360 x 650 x 700	1640 x 680 x 840
Weight	360kg	575kg

* @ 27°C, 750mmHg, 60% relative humidity

These specifications are subject to change without notice.

