



MKY500P

Output Ratings

Generating Set Model	Prime	Standby
1500 RPM/50HZ	500 kVA / 400 kW	550 kVA / 440 kW
1800 RPM/60HZ	568 kVA / 455 kW	624 kVA / 499 kW

Ratings at 0.8 power factor

Emergency Standby Power (ESP)

Emergency Standby Power is the maximum power available for a varying load for the duration of a main power network failure. The average load factor over 24 hours of operation should not exceed 70% of the engine's ESP power rating. Typical operational hours of the engine is 200 hours per year, with a maximum usage of 500 hours per year. This includes an annual maximum of 25 hours per year at the ESP power rating. No overload capability is allowed. The engine is not to be used for sustained utility paralleling applications.

Prime Power (PRP)

Prime Power is the maximum power available for unlimited hours of usage in a variable load application. The average load factor should not exceed 70% of the engine's PRP power rating during any 24 hour period. An overload capability of 10% is available, however, this is limited to 1 hour within every 12 hour period.

Ratings and Performance Data

Engine Make:	YORC BLUELINE	
Engine Model:	G550/5.6M21	
Alternator Make:	YORC	
Alternator Model:	YORC354D	
Control Panel Make:	COMAP	
Control Panel Model:	MKX	
Circuit Breaker Make:	ABB	
Circuit Breaker Type:	3 Pole MCCB	
Base Frame:	Heavy Duty Fabricated Steel	
Fuel Tank Capacity:	650 Litres	
Engine Speed: RPM	1500	1800
Frequency:	50Hz	60Hz
Fuel Consumption:	Litres / Hours	
Prime Rating	50%	51
	75%	75.3

Dimensions and Weights (Basic Genset)

L (mm)	W (mm)	H (mm)	Weight (kg)
3550	1800	1850	3050

General Information

Documentation

A full of operation and maintenance manuals and circuit wiring diagrams.

Generating Set standards

The equipment meets the following standards: Bs5000, ISO 8528, ISO 3046, IEC 60034, NEMA MG- 1.22.

Warranty:

The products are warrantee against defects in material and workmanship for a period of 4000 hours or 5 years whichever comes first from the date of delivery to first user taking into consideration:

- Ensuring initial startup is performed by an authorized representative of the company (MIKANO International Limited) or its dealers.
- Installing, operating and maintaining the generator set in accordance with the manufacturer's instructions.



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Soundproof

Mikano Soundproof enclosure range ensures optimum performance in the harshest environments, they are fully weatherproof and incorporate internally mounted exhaust silencers. Designed on modular principles, they have interchangeable components permitting on-site repair, fully access doors and access panels that provide optimal service and maintenance access.

Extremely durable and robust, the enclosures are designed to resist corrosion and handling damage with the ability to withstand rough handling common on many construction sites.

The sound attenuated enclosures reduced sound levels to comply with the international and European standards.

Durable and Robust Construction

- High grade steel protected by powder coated paint.
- Single piece roof structure.
- Black finish stainless steel locks and hinges.
- Zinc plated / stainless steel fasteners.

Security and Safety

- Emergency stop push button mounted on enclosure.
- Cooling fan and battery charging alternator fully guarded.
- Fuel fill and battery can only be reached via lockable access doors.
- Exhaust silencing system totally enclosed for operator safety.

Excellent Service and Maintenance Access

- Side hinged doors on both sides of the enclosure opening to 180°
- Removable front and rear access panels.
- Oil drain piped to baseframe, exterior to the enclosure.

Transportability

- Tested and certified single point lifting facility.
- Drag points on baseframe facilitating handling from both sides.
- Base feet to aid forklift handling.

Dimensions and Weights (SoundProof)

L (mm)	W (mm)	H (mm)	Weight (kg)
4750	1800	2450	4270

GUARANTEE BY

MIKANO
INTERNATIONAL LIMITED