



MKP100P

www.mikano.com

Output Ratings		
Generating Set Model	Prime	Standby
230-400V, 50Hz	100 kVA / 80 kW	110 kVA / 88 kW
270/480V, 60Hz	100 kVA / 80 kW	110 kVA / 88 kW

Ratings at 0.8 power factor

Prime Rating

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

Standby Rating

Standby Rating
These ratings are applicable for supplying continuous power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528-3).

Ratings and Performance Data		
Engine Make:	PERKINS	
Engine Model:	1104C-44TAG2	
Alternator Make:	LEROY SOMER	
Alternator Model	TAL044D	
Control Panel Make:	COMAP	
Control Panel Model:	MKX	
Circuit Breaker Make:	ABB	
Circuit Breaker Type:	3 Pole MCCB	
Base Frame:	Heavy Duty Fabricate Steel	
Engine Speed: RPM	1500	1800
Frequency:	50Hz	60Hz
Fuel Consumption: Litres / Hours		
- 50%	10.58	
- 75%	16.01	

Dimensions and Weights (Basic Genset)				
L (cm)	W (cm)	H (cm)	Fuel Tack Capacity (L)	Weight (kg)
2075	965	1390	174	1030

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 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 coat point.
➤ 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 (cm)	W (cm)	H (cm)	Fuel Tack Capacity (L)	Weight (kg)
3056	1106	1537	284	1650

General Information	
Documentation	A full of operation and maintenance manuals and circuit wiring diagrams.
Genearting Set standards	The equipment meets the following standards: Bs5000, ISO 8528, ISO 3046, IEC 60034, NEMA MG- 1.22.
Warranty:	The products are warranted against defects in material and workmanship for a period of 2000Hour or 12 months whichever comes first from the date of delivery to first user taking in 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.

