



MASTERPOWER®



INTRODUCTION

Standby or Network backup power using which is giving detailed water cooled diesel engine radiator with air mechanical fan protective grille for rotating and hot parts electric starter and charge alternator, starting battery (with lead acid) including rack and cables, Engine coolant heater, base frame design incorporates an integral fuel tank and anti-vibration isolators. Flexible fuel connection hoses, single bearing class H alternator, industrial exhaust silencer and steel bellows supplied separately static battery charger. User Manual for application and installation books.

Our Generator set has been designed to meet **ISO 8528 - CE standards** and **ISO 9001** quality certs.
Our Soundproof Canopied enclosed product is tested according to EU noise legislation **2000/14/EC**



Standard Specifications

Four Stroke Heavy Duty Industrial Type Water Cooled Diesel Engine
Water Radiator with Air Mechanical Fan Cooling Set
 Protective Grille for Rotating and Hot Parts
Electric Starter and Charge Alternator
 Starting Battery (with lead acid) including Rack and Cables
Engine Coolant Heater
 Base Frame Design incorporates and Integral Fuel Tank and Anti-vibration isolators
Flexible Fuel Connection Hoses
 Single Bearing, Class H Alternator
Industrial exhaust silencer and steel bellows supplied separately
 Static Battery Charger
User Manual for Application and Installation



Optional Equipments

ATS (Automatic Trans Switchgear)
Synchron Command
 Load Panels Systems
Scada
 Remote Relay Output
Remote Radiator Cooling Sets
 Circuit Breaker (Output Alternator)
Four Poles Contactor
 Electrical Oil Drain Pump
Engine Oil Heater

PMG or AREP Excitation Systems
 Mobile Trailer
Critical Type Muffler
 Soundproof Canopy
Sound Insulation Casetta
 Generators Mechanical Aids
Generators Earth Tremor's Sensor
 Remote Communication with Modem
Electronic Fuel Floating Device
 Alternator Anti Condensation Heater

OPEN TYPE MPR110 DIMENSIONS

Lenght mm	Width mm	Height mm	Gross Weight* kg	Noise dB(A) @1mt
2200	1000	1600	1170	NA

SILENT CANOPIED TYPE MPR110 DIMENSIONS

Lenght mm	Width mm	Height mm	Gross Weight* kg	Noise dB(A) @1mt
3000	1100	1800	1550	72

MPR110 GENERATOR SET POWER RATINGS

Voltage-Frequency	Standbypower	Prime Power
400/230V 3 Phase-50 Hz	110 kVA / 88 kW	100 kVA / 80 kW

Diesel Engine Technical Data

Engine Make	RICARDO	
Engine Model	R4110ZLD	
No. of Cylinders and Build	4 - Vertical in line	
Aspiration and Cooling	Turbo Charged-Intercooled	
Standby Power	Tropical Type Radiator Water Cooled	
	1500 rpm	92.4 kWm
Total Displacement	L	4.67
Bore x Stroke	mm	105 x 130
Rated Speed	rpm	1500
Coolant Water Capacity	19 L	
Engine Oil Capacity	14 L	
Governor Type	Mechanic	
Start System	12 / 24 VDC	
Fuel Consumption 100%	19 L / h	

Alternator Technical Data

Mark	MASTERPOWER	
Frequency	Hz	50
Rated Power	kVA	110
Manufacturing Design	Brushless, 4 Poles	
Power Factor	Cos Phi 0.8	
Number of Phases	3	
Voltage	V	400 / 230
Ingress Protection	IP	23
Insulation Class	H	
No. of bearing & Rotor	Single Bearing, Flexible Disc	
Excitation System	AVR	