

BASIC / WATER COOLED

MBW Series

18-45W



The best choice as quality/price rate.
Suitable for any kind of user.
Easy to transport and maintain.



Main applications:

- Construction
- Mobile Workshop
- Emergency stand-by (residential / small industry)


EASY FUEL REFILLING THROUGH EXTERNAL CAP

PROTECTIONS:

- Moving and rotating parts protections against accidental contacts


OIL DRAIN PIPE WITH CAP:

- Oil draining facilities


VISUAL FUEL LEVEL INDICATOR

GENERATING SET	MBW18W		MBW25W		MBW35W		MBW45W	
MAIN DATA								
POWER RATING	kVA	kWe	kVA	kWe	kVA	kWe	kVA	kWe
STAND BY POWER - LTP	18,1	14,5	24,0	19,2	33,0	26,4	42,5	34,0
PRIME POWER - PRP	17,3	13,9	21,9	17,5	32,5	26,0	39,6	31,7
VOLTAGE	400		400		400		400	
FREQUENCY	50Hz		50Hz		50Hz		50Hz	
DIESEL ENGINE								
BRAND	Weichai		Weichai		Weichai		Weichai	
MODEL	WP2.1D18E2		WP2.5D22E2		WP3.9D33E2		WP4.3D38E2	
FUEL	Diesel		Diesel		Diesel		Diesel	
NUMBER OF CYLINDERS / DISPLACEMENT (cc)	4 in line / 2088		4 in line / 2540		4 in line / 3860		4 in line / 4330	
ASPIRATION	Natural		Natural		Natural		Natural	
COOLING SYSTEM	Water		Water		Water		Water	
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 12 V		Electric / 12 V		Electric / 12 V		Electric / 12 V	
SPEED (rpm)	1500		1500		1500		1500	
SPEED GOVERNOR (Type)	Mechanical		Mechanical		Mechanical		Mechanical	
STAND-BY POWER [LTP] (kWm)	18,3		24,2		36,6		41,8	
PRIME POWER [PRP] (kWm)	17,5		22,0		33,3		38,0	
FUEL CONSUMPTION @ 75% / 100% PRP (L/h)	3,68 / 4,90		4,62 / 6,16		6,51 / 8,63		7,93 / 10,49	
ALTERNATOR								
TYPE	Brushless		Brushless		Brushless		Brushless	
POLES	4		4		4		4	
VOLTAGE REGULATION SYSTEM	Electronic		Electronic		Electronic		Electronic	
GENSET VERSION	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY
FUEL TANK								
MATERIAL	Plastic		Plastic		Plastic		Plastic	
CAPACITY (L)	51		51		51		51	
AUTONOMY @ 75% PRP (h)	13,86		11,04		7,83		6,43	
NOISE LEVEL								
NOISE POWER [LWA] - dB(A)	-	96	-	96	-	96	-	96
NOISE PRESSURE @ 7m - dB(A)	-	67	-	67	-	67	-	67
OVERALL DIMENSIONS								
LENGTH (mm)	1650		1650		2200		2200	
WIDTH (mm)	1000		1000		1030		1030	
HEIGHT (mm)	1130		1130		1320		1320	
DRY WEIGHT (Kg)	405	510	470	590	690	910	790	1010



Canopy version



Open version

ACP - Automatic control panel

Automatic control panel mounted on the generator, complete with digital control unit Intelli Nano NT Plus for monitoring, control and module for engine protection.

DIGITAL INSTRUMENTATION (Inteli Nano NT Plus)

- Mains voltage
- Generator voltage (3 phases)
- Generator frequency
- Generator current (1 phase)
- Battery voltage
- Running hours

COMMANDS AND OTHER

- Push-button for manual or auto operation modes selector
- Push-button to start & stop generator in manual operations
- Up / down buttons for menu pages changing and parameters setting
- LEDs to indicate engine running / operating mode and warning / alarm
- Emergency stop button
- Remote starting availability
- Automatic battery charger

PROTECTION

- Engine protection: low oil pressure, high engine temperature
- Generator protection: under/over voltage, under/over frequency, battery charger failure, earth fault, reverse power
- Circuit breaker protection: III poles

OUTPUT PANEL ACP

- Terminal connection for ACP and LTS panel
- Output sockets (option):
 - 32A 3P+N+T for MBW18-25W
 - 63A 3P+N+T for MBW35-45W



LTS - Load transfer switch - Accessories ACP

The Load Transfer Switch (LTS) panel operates the power supply changeover between the generator and the Mains in backup applications, guaranteeing the feeding to the load within a short period of time.

It consists of a standalone cabinet which can be installed separate from the generator. The logic control of the power supply changeover is operated by means of the Automatic Control panel mounted on the generator, therefore no logic device is required on the LTS panel.



www.masonsgenerators.com

MASONS DISTRIBUTOR IN YOUR AREA IS:

A large, empty white rectangular box intended for listing the distributor information.

PR MIDDLE EAST FZE

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