

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		
<b>MAIN DATA</b>									
POWER RATING	kVA	kWe	kVA	kWe	kVA	kWe	kVA	kWe	
STAND BY POWER - LTP	23,2	18,6	29,1	23,3	40,0	32,0	52,2	41,8	
PRIME POWER - PRP	21,1	16,9	26,4	21,1	38,8	31,0	47,3	37,8	
VOLTAGE	480		480		480		480		
FREQUENCY	60Hz		60Hz		60Hz		60Hz		
<b>DIESEL ENGINE</b>									
BRAND	Weichai		Weichai		Weichai		Weichai		
MODEL	WP2.1D21E2		WP2.5D26E2		WP3.9D40E2		WP4.3D45E2		
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								
SPEED (rpm)	1800		1800		1800		1800		
SPEED GOVERNOR (Type)	Mechanical		Mechanical		Mechanical		Mechanical		
STAND-BY POWER [LTP] (kWm)	22,08		27,68		42,66		47,72		
PRIME POWER [PRP] (kWm)	20,08		25,08		38,66		43,22		
FUEL CONSUMPTION @ 75%	4,2		5,3		7,5		9,1		
<b>ALTERNATOR</b>									
TYPE	Brushless		Brushless		Brushless		Brushless		
POLES	4		4		4		4		
VOLTAGE REGULATION SYSTEM	Electronic		Electronic		Electronic		Electronic		
<b>GENSET VERSION</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>OPEN</b>	<b>CANOPY</b>	<b>OPEN</b>	<b>CANOPY</b>	
<b>FUEL TANK</b>									
MATERIAL	Plastic		Plastic		Plastic		Plastic		
CAPACITY (L)	51		51		51		51		
AUTONOMY @ 75% PRP (h)	12,1		9,6		6,8		5,6		
<b>NOISE LEVEL</b>									
NOISE POWER [LWA] - dB(A)	-	96	-	96	-	96	-	96	
NOISE PRESSURE @ 7m - dB(A)	-	67	-	67	-	67	-	67	
<b>OVERALL DIMENSIONS</b>									
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 Intelil Nano NT Plus for monitoring, control and module for engine protection.

#### DIGITAL INSTRUMENTATION (Intelil 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



### 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](http://www.masonsgenerators.com)

**MASONS DISTRIBUTOR IN YOUR AREA IS:**

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