

BASIC / WATER COOLED

MBW Series

10-45P



Easy to transport, install and maintain.
Available both in open and soundproof version,
these generators are suitable for any kind of user.



Main applications:

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


PLASTIC FUEL TANK, COMPLETE WITH:

- Filler neck
- Air breather
- Fuel refilling


OIL DRAIN PIPE WITH CAP:

- Oil draining facilities


PROTECTIONS:

- Moving and rotating parts protections against accidental contacts


BASE FRAME MADE OF WELDER STEEL PROFILE, COMPLETE WITH:

- Anti-vibration mountings properly sized
- Visual fuel level indicator
- Integrated support legs

GENERATING SET	MBW10P		MBW15P		MBW22P		MBW30P		MBW45P	
MAIN DATA										
POWER RATING	kVA	kWe	kVA	kWe	kVA	kWe	kVA	kWe	kVA	kWe
STAND BY POWER - LTP	9,7	7,7	14,1	11,3	21,8	17,5	32,5	26,0	48,0	38,4
PRIME POWER - PRP	8,7	7,0	12,7	10,2	19,8	15,8	30,5	24,4	45,7	36,6
VOLTAGE	400/230V		400/230V		400/230V		400/230V		400/230V	
FREQUENCY	50Hz		50Hz		50Hz		50Hz		50Hz	
DIESEL ENGINE										
BRAND	Perkins		Perkins		Perkins		Perkins		Perkins	
MODEL	403D-11G		403D-15G		404D-22G		1103A-33G		1103A-33TG1	
NUMBER OF CYLINDERS / DISPLACEMENT (cc)	3 in line / 1131		3 in line / 1496		4 in line / 2216		3 in line / 3300		3 in line / 3300	
ASPIRATION	Natural		Natural		Natural		Natural		Turbocharged	
COOLING SYSTEM	Water		Water		Water		Water		Water	
STARTING SYSTEM / ELECTRIC CIRCUIT (Volt)	Electric / 12V		Electric / 12V		Electric / 12V		Electric / 12V		Electric / 12V	
SPEED (rpm)	1500		1500		1500		1500		1500	
SPEED GOVERNOR (Type)	Mechanical		Mechanical		Mechanical		Mechanical		Mechanical	
STAND-BY POWER (LTP) (kWm)	9,3		13,3		20,3		30,5		45,6	
PRIME POWER (PRP) (kWm)	8,6		12,2		18,7		28,2		42,2	
FUEL CONSUMPTION @ 75% PRP (L/h)	2,0		2,7		4,0		5,4		8,2	
ALTERNATOR										
TYPE	With brushes		With brushes		With brushes		Brushless		Brushless	
POLES	4		4		4		4		4	
VOLTAGE REGULATION SYSTEM	Compound		Compound		Compound		Digital		Digital	
GENSET VERSION	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY	OPEN	CANOPY
FUEL TANK										
MATERIAL	Plastic		Plastic		Plastic		Plastic		-	Plastic
CAPACITY (L)	51		51		51		51		-	51
AUTONOMY @ 75% PRP h	25,8		18,6		12,8		9,4		-	6,2
NOISE LEVEL										
NOISE POWER (LWA) - dB(A)	-	94	-	94	-	94	-	-	-	-
NOISE PRESSURE @ 7m - dB(A)	-	66	-	66	-	66	-	-	-	-
OVERALL DIMENSIONS										
LENGTH (mm)	1600	1646	1600	1646	1600	1646	2000	-	2000	-
WIDTH (mm)	870	885	870	885	870	885	920	-	920	-
HEIGHT (mm)	875	1061	950	1061	950	1061	1100	-	1100	-
DRY WEIGHT (Kg)	385	460	390	550	425	565	700	-	785	-



MCP - Manual control panel

Manual control panel, mounted on the generator and complete with instrumentation, control, protection and sockets.

INSTRUMENTATION (ANALOGUE)

- Voltmeter (1 phase)
- Ammeter (1 phase)
- Hour meter

COMMANDS AND OTHER

- Start/stop selector switch with key
- Emergency stop button

PROTECTION WITH ALARM

- Battery charger failure
- Low oil pressure
- High engine temperature
- Earth Fault
- Circuit breaker protection: III poles

OUTPUT PANEL MCP

Sockets kit with:

- Thermal protection
- 3P+N+T CEE 400V 32A n 1
- 3P+N+T CEE 400V 16A n 1 (Model: MBW10-15-22)
- 3P+N+T CEE 400V 63A n 1 (Model: MBW30-45)
- 2P+T CEE 230V 16A n 2
- 230V 16A SCHUKO n 1



ACP - Automatic control panel

Automatic control panel mounted on the generator, complete with digital control unit AMF-26P for monitoring, control and module for engine protection.

DIGITAL INSTRUMENTATION (AMF-26P)

- Mains voltage
- Generator voltage (3 phases)
- Generator frequency
- Generator current (1 phase)
- Battery voltage
- Hour meter

COMMANDS AND OTHER

- Four operation modes: OFF - Manual - Automatic - Automatic test
- Push-button for forcing Mains contactor or Generator contactor
- Push-buttons: start/stop, fault reset, up/down/page/enter selection
- Emergency stop button
- Remote starting availability
- DC system disconnection switch
- Automatic battery charger
- Password security option

PROTECTION

- Engine protection: low oil pressure, high engine temperature
- Generator protection: under/over voltage, overload, under/over battery voltage
- Circuit breaker protection: III poles
- Differential protection

OUTPUT PANEL ACP

Plinth row for connection from ACP to LTS panel.

- Sockets 3P+N+T CEE 400V 32A n 1 (Model: MBW10-15-22)
- Sockets 3P+N+T CEE 400V 63A n 1 (Model: MBW30-45)



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:

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