

# Instruction Manual

## MB Series



**Note: Owner/Operator must read and understand this instruction manual before using the hoist.**

Congratulations for your excellent choice. Your new electric tool is manufactured in compliance with the best quality and reliability standards, ensuring you efficiency and safety for a long period of time.

## **GENERAL SAFETY RULES**

**WARNING!** Before using this electric tool, carefully read the general safety rules listed below.

- Your sockets must comply with safety rules.  
In case your sockets are not suitable, they should be checked by a skilled electrician.
- Your socket plug must absolutely be grounded and your electric system must be supplied with a magneto cut-out safety.
- When the machine is running unwatched, be careful that children cannot reach it.
- Do not pull the electric cable to disconnect the plug.
- The machine shall be protected from frost and low temperatures.
- In case the machine cannot hoist a load, do not keep pressing the hoisting push-button: this means that the load exceeds the machine maximum capacity.
- The machine shall not be disassembled when running or connected to power.
- The machine shall not be operated when it is raining or storming.
- Do not stand under hoisted weights.
- Before starting the work, make sure that the steel cable is correctly winded around the reel and the pitch is equal to the cable diameter.

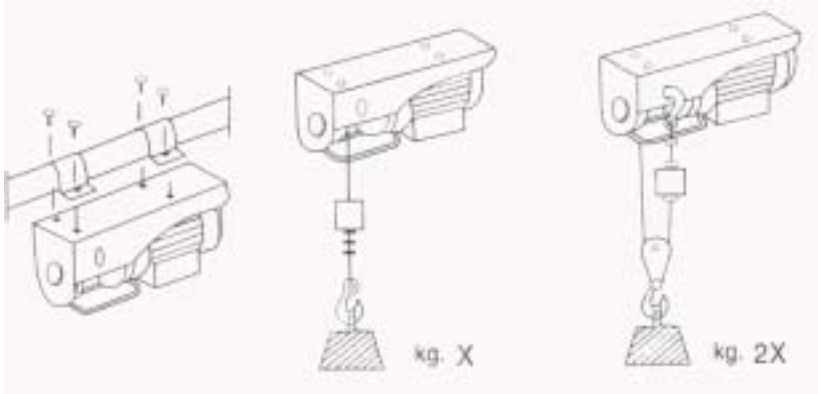


**- OBSERVE THE MAXIMUM LOAD INDICATED ON THE HOIST, NOT THAT ON THE HOOK!**

- Leave at least three turns of cable around the reel, so that the cable connection is not under stress.
- To avoid any danger, do not wind more than 15 mt of cable around the reel.
- In case the steel cable is worn out, it must be replaced only with a cable of same features manufactured by us. It can be found at all authorized service shops.
- Before starting the work, check that switches are in good operating conditions.
- In case the hoist stops during the lowering of a load, it is normal that the load goes down a few centimeters more because of inertia.

**-ATTENTION!! THE HOIST ELECTRIC MOTOR IS NOT SUPPLIED WITH ANY OVERLOAD CUT-OUT (TO AVOID AN UNEXPECTED AND UNWANTED RE-START) THEREFORE, IF YOU ARE UNABLE TO HOIST A LOAD DO NOT INSIST AND LET THE MOTOR COOL DOWN.**

The hoist 《STANDARD VERSION》 is provided with a specially designed bracket system which allows to hold pipes box.



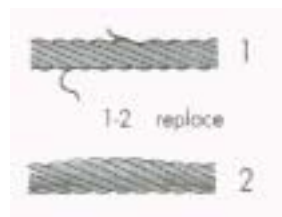
Check that socket features (volt-hertz) correspond to those indicated on the machine plate; then, you can insert the plug.

In case a cable extension is needed, it is absolutely important to respect the table's data.

Extension Length	EI cable section
Up to 20m	1.5mm
20 to 50	2.5mm

## MAINTENANCE

- Periodically CHECK that the steel cable is in good conditions.
- CHECK that the screws securing the brackets and reduction gear are well tightened.
- CHECK THE CONDITIONS AND TIGHTENING OF THE NUTS securing the steel cable clamps.
- Periodically CHECK that motor stop switch and push button switch are in good operating conditions.



These descriptions and illustrations are not binding the firm reserves the right to modify them without any notice.

Technical data	MB100		MB125		MB150		MB200		MB250	
	standard version	version with double load top	standard version	version with double load top	standard version	version with double load top	standard version	version with double load top	standard version	version with double load top
Load capacity	100 kg	200 kg	125 kg	250 kg	150 kg	300 kg	200 kg	400 kg	250 kg	500 kg
Lifting height	11 m	5.5 m	11 m	5.5 m	11 m	5.5 m	11 m	5.5 m	11 m	5.5 m
Lifting speed	10m/min	5m/min	10m/min	5m/min	10m/min	5m/min	10m/min	5m/min	10m/min	5m/min
cable length	12 m		12 m		12 m		12 m		12 m	
cable diameter	3 mm		3 mm		3 mm		3.8 mm		4.2mm	
Resister cable	> 800kg		> 800kg		> 800kg		> 1100kg		> 1300kg	
Service	S, 20% - 10 min		S, 20% - 10 min		S, 20% - 10 min		S, 20% - 10 min		S, 20% - 10 min	
Mains voltage	230V-50Hz		230V-50Hz		230V-50Hz		230V-50Hz		230V-50Hz	
Motor performance	P, 510W		P, 510W		P, 600W		P, 980 W		P, 1020W	

Technical data	MB300		MB350		MB400		MB500		MB600	
	standard version	version with double load top	standard version	version with double load top	standard version	version with double load top	standard version	version with double load top	standard version	version with double load top
Load capacity	300kg	600kg	350kg	700kg	400kg	800kg	500kg	1000kg	600kg	1200kg
Lifting height	11 m	5.5 m	11 m	5.5 m	11 m	5.5 m	11 m	5.5 m	11 m	5.5 m
Lifting speed	10m/min	5m/min	8m/min	4m/min	8m/min	4m/min	8m/min	4m/min	8m/min	4m/min
cable length	12 m		12 m		12 m		12 m		12 m	
cable diameter	4.5 mm		5.1 mm		5.1 mm		5.5mm		6.0 mm	
Resister cable	>1600kg		>2000 kg		>2000kg		>2500kg		>3000 kg	
Service	S, 20% - 10 min		S, 20% - 10 min		S, 20% - 10 min		S, 20% - 10 min		S, 20% - 10 min	
Mains voltage	230V-50Hz		230V-50Hz		230V-50Hz		230V-50Hz		230V-50Hz	
Motor performance	P, 1200 W		P, 1250 W		P, 1250W		P, 1600W		P, 1800W	



<b>No.</b>	<b>Description</b>	<b>No.</b>	<b>Description</b>
1	Hexagon bolt	35	Safety switch
2	Spring washer	36	Breaker contactor
3	Flat washer	37	Locating pin
4	Fixing ring	38	Spring tab
5	Support structure	39	Cable
6	Rope roll shaft	40	Socket
7	Flat key	41	Holding fixture
8	Flat key	42	Capacitor
9	Elastic collar	43	Arm switch lower cover
10	Bearing	44	Arm switch upper cover
11	Hexagon fillister head screw	45	Rise and fall switch
12	Gear case	46	Three-prong plug
13	Spring washer	47	Locknut
14	Flat washer	48	Hook washer
15	Gearwheel	49	Hexagon bolt
16	Cushion board	50	Hexagon bolt
17	Front cover	51	Wheel axle
18	Bearing	52	Splint
19	Stator	53	Pulley
20	Stator shell	54	Hook fixed nut
21	Rotor	55	Gearwheel
22	Tripping spring	56	Flat key
23	Brake component	57	Gear shaft
24	Aft closure	58	Bearing
25	Fan blade	59	Hexagon fillister head screw
26	Fan cover	60	Limiter
27	Spring washer	61	Hook
28	Flat washer	62	Rope thimble
29	Hexagon bolt	63	Wire rope
30	Junction box	64	Block
31	Terminal	65	Aluminum
32	Cover	66	Rope roll
33	Holding fixture	67	Wedge
34	Holding fixture	68	Bushing