

Product Information

| | |
|----------|---------|
| Language | INGLESE |
| Nr. | 261 |
| Date | 12/2016 |
| Subject | MB 90 |



our power, your passion

NEW MB 90 MISTBLOWER



Mod. MB 90

The new **Oleomac MB 90** professional mistblower is intended specifically for treating and disinfesting crops, small plantations and nurseries. It can deliver liquid or dry products.

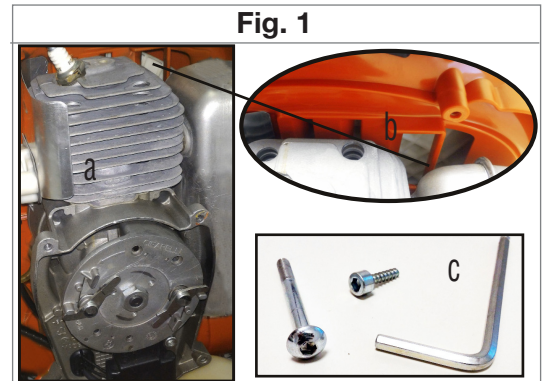
Minimal weight, high air speed and generous delivery volume make this a practical, powerful and high performance piece of equipment.

The even distribution of weight on the shoulders, cushioned back support, padded harness, ergonomic control grip and sound-insulated muffler all contribute to a more pleasurable working experience.

With the shoulder straps secured to the tank, the mistblower has a lower centre of mass, limiting its tendency to sway with the movement of the user.

PERFORMANCE AND EASE OF USE

- Professional 77 cm³ two-stroke engine with an ample 5 HP (3.6kW) power rating, designed for continuous heavy-duty service (Fig. 1a).
- Efficient engine cooling system provided by the airstream from the blower fan, which is forced through vents in the casing (Fig. 1b).
- All screws are hex socket type, allowing the use of a single tool for the majority of maintenance procedures (Fig. 1c).

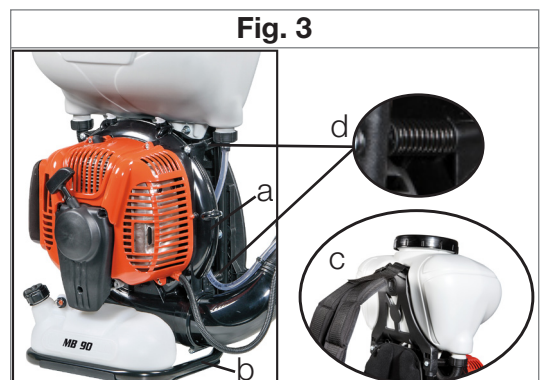


- Capacious 17 litre tank to enable long working stints without interruption (Fig. 2).
- Long throw of up to 18 metres horizontal and 16 metres vertical, ensuring access to the most inaccessible vegetation.

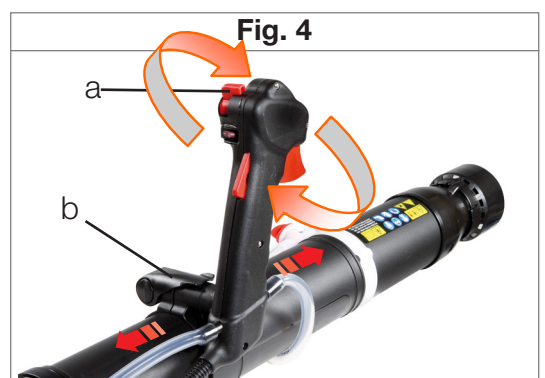
Fig. 2

| Flow rate and emptying time tank 17 liters | | |
|--|-----------------|---------------|
| Position spreader | Flow rate L/min | Emptying time |
| 1 | 0,1 L/min | 170' |
| 2 | 0,7 L/min | 24' 28" |
| 3 | 1,4 L/min | 12' 14" |
| 4 | 2,1 L/min | 8' 8" |
| 5 | 2,7 L/min | 6' 22" |
| 6 | 3,0 L/min | 5' 40" |
| 7 | 3,2 L/min | 5' 18" |
| 8 | 3,4 L/min | 5' |
| 9 | 3,5 L/min | 4' 50" |

- The nylon fan and casing (Fig. 3a) and the aluminium frame (Fig. 3b) make for a lightweight and comfortable package, facilitating the movement of the operator and minimizing muscle fatigue during long hours of use.
- High air flow rate (more than 1,600 m³/h) favours evenly distributed treatment by ensuring a uniform droplet size.
- The ergonomic backpack frame and padded straps (Fig. 3c) are complemented by an antivibration system using 4 steel springs (Fig. 5d) interposed between the frame and the engine casing, so that there is a much reduced level of vibration transmitted to the operator.



- Throttle lever with manual control (Fig. 4a), allowing the user to select and set a steady engine speed as required.
- The flow of liquids can be regulated automatically on the basis of the engine revolutions to allow targeted crop treatments, and with zero flow at idling speed, less mixture is wasted.
- Totally accessible controls: the angle of the handgrip is easily adjusted — with no tools required (Fig. 4b) — so as to suit the height of the operator and the type of vegetation being treated.



OPTIONAL ACCESSORIES

- The **magnetic drive pump** keeps the solution of liquids in the tank thoroughly mixed, increasing and stabilizing the delivery flow rate of the product (Fig.6). Easily installed and simple to access for maintenance purpose, it requires no adjustments. Even if the pump should fail, the machine can continue to operate.

Available in 2 versions:

- BOOSTER PUMP KIT p/n 56062001** (Fig.5a).
- BOOSTER PUMP / FILLER KIT p/n 56062002** (Fig.5b) - allows replenishment of the tank without having to take off the backpack.

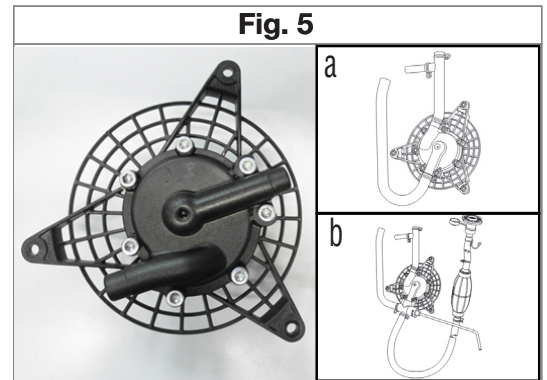
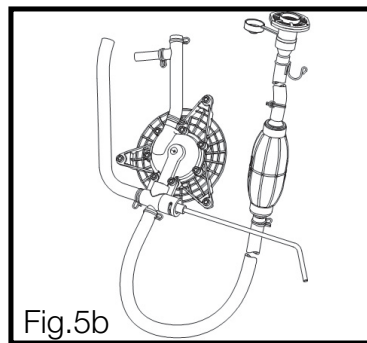
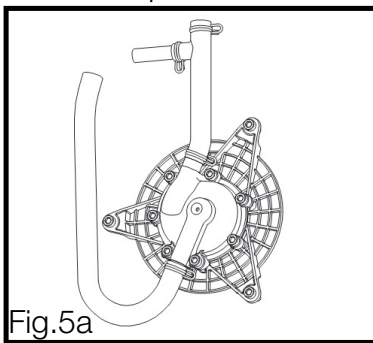
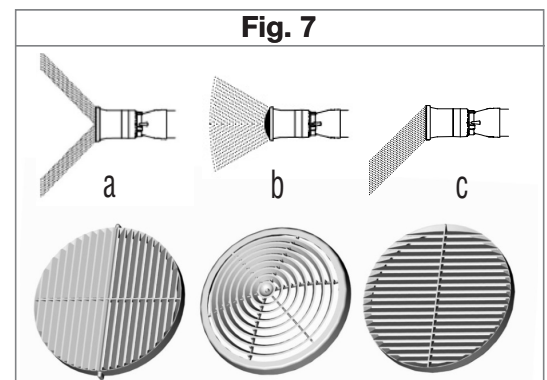


Fig. 6

| Without Booster pump | | With Booster pump | |
|----------------------|-----------------|-------------------|-----------------|
| Position spreader | Flow rate L/min | Position spreader | Flow rate L/min |
| 1 | 0,1 L/min | 1 | 0,1 L/min |
| 2 | 0,7 L/min | 2 | 1,9 L/min |
| 3 | 1,4 L/min | 3 | 3 L/min |
| 4 | 2,1 L/min | 4 | 4,3 L/min |
| 5 | 2,7 L/min | 5 | 5,4 L/min |
| 6 | 3 L/min | 6 | 6 L/min |
| 7 | 3,2 L/min | 7 | 6,4 L/min |
| 8 | 3,4 L/min | 8 | 6,7 L/min |
| 9 | 3,5 L/min | 9 | 6,8 L/min |

- DIFFUSERS KIT p/n 56062003** (Fig.7) - to direct or reduce the force of the liquid jet according to specific needs:
 - The dual angle diverter (Fig.7a) generates two outflow streams.
 - The circular grille (Fig.7b) attenuates the velocity of the air flow to avoid damaging leaves and flowers.
 - The single angle diverter (Fig.7c) delivers the jet at 45°, ideal for vegetation with leaves best treated by blowing from the bottom upwards.



- DUSTING KIT FOR POWDER AND GRANULAR PRODUCTS cod.56062004** (Fig.8a): Perfect for blowing products formulated with powder, granules or seeds, equipped with a 27 litre tank and 5 calibrated nozzles for controlling the flow.
- ULV SYSTEM p/n 56062005** (Fig.8b): regulates the delivery flow to allow treatments using low volumes of liquid, for a more uniform distribution of the product.

Fig. 8



TECHNICAL DATA

| MODEL | | MB 90 |
|---|---------------------|--|
| ENGINE | | |
| TYPE | | 2 - stroke |
| DISPLACEMENT | cm ³ | 77 |
| BORE x STROKE | mm x mm | 52 x 36 |
| MAXIMUM POWER OUTPUT | HP/kW | 5 (3,6) |
| IGNITION SYSTEM | | |
| TYPE | | Capacitive |
| SPARK PLUG | | Champion RCJ6Y |
| FUEL & LUBRICATION SYSTEM | | |
| CARBURETTOR | | Walbro |
| FUEL | | Mix 4% (25:1) - with PROSINT oil 2% (50:1) |
| FUEL TANK CAPACITY | l | 2,30 |
| AIR FILTER | | Paper |
| PRIMER | | Yes |
| OPERATING PERFORMANCE | | |
| AIR FLOW RATE - BLOWER | m ³ /min | 27 |
| MAXIMUM AIR SPEED | m/s | 105 |
| LIQUID DELIVERY FLOW RATE | l/min | 0,1-3,5 |
| LIQUID TANK CAPACITY | l | 17 |
| MAXIMUM HORIZONTAL/VERTICAL THROW OF LIQUIDS | m | 18 /16 |
| SAFETY | | |
| SOUND PRESSURE (LpA pr EN ISO 11201) | dB(A) | 103 |
| SOUND POWER (LwA EN ISO 3744) | dB(A) | 115 |
| VIBRATION LEVEL (pr EN ISO 20643) | m/s ² | <2,5 |
| ERGONOMICS | | |
| HARNESS | | Professional and ergonomic |
| ANTI-VIBRATION SYSTEM | | 4 springs |
| DRY WEIGHT - excluding blower tubes (including tubes) | kg | 10,8 - (11,8) |



It's an **Emak S.p.A.** trademark Member of the Yama Group
 Via E. Fermi, 4 • 42011 Bagnolo in Piano (Reggio Emilia) Italy
 Tel. +39 0522 956611 • Fax +39 0522 951555
 info@myoleomac.com • www.myoleomac.com