Difair

# Serie MTBM



## MULTINOZZLE WITH PERIMETRAL FRAME


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## DESCRIPTION

The air-conditioning of multi-purpose halls places high demands on the air flow rate and the temperature difference between the ambient air in the hall and the supply air. Whether for cultural venues or sporting events, the requirements for the air flow rate and the temperature difference between the room ambient air and the supply air vary accordingly.

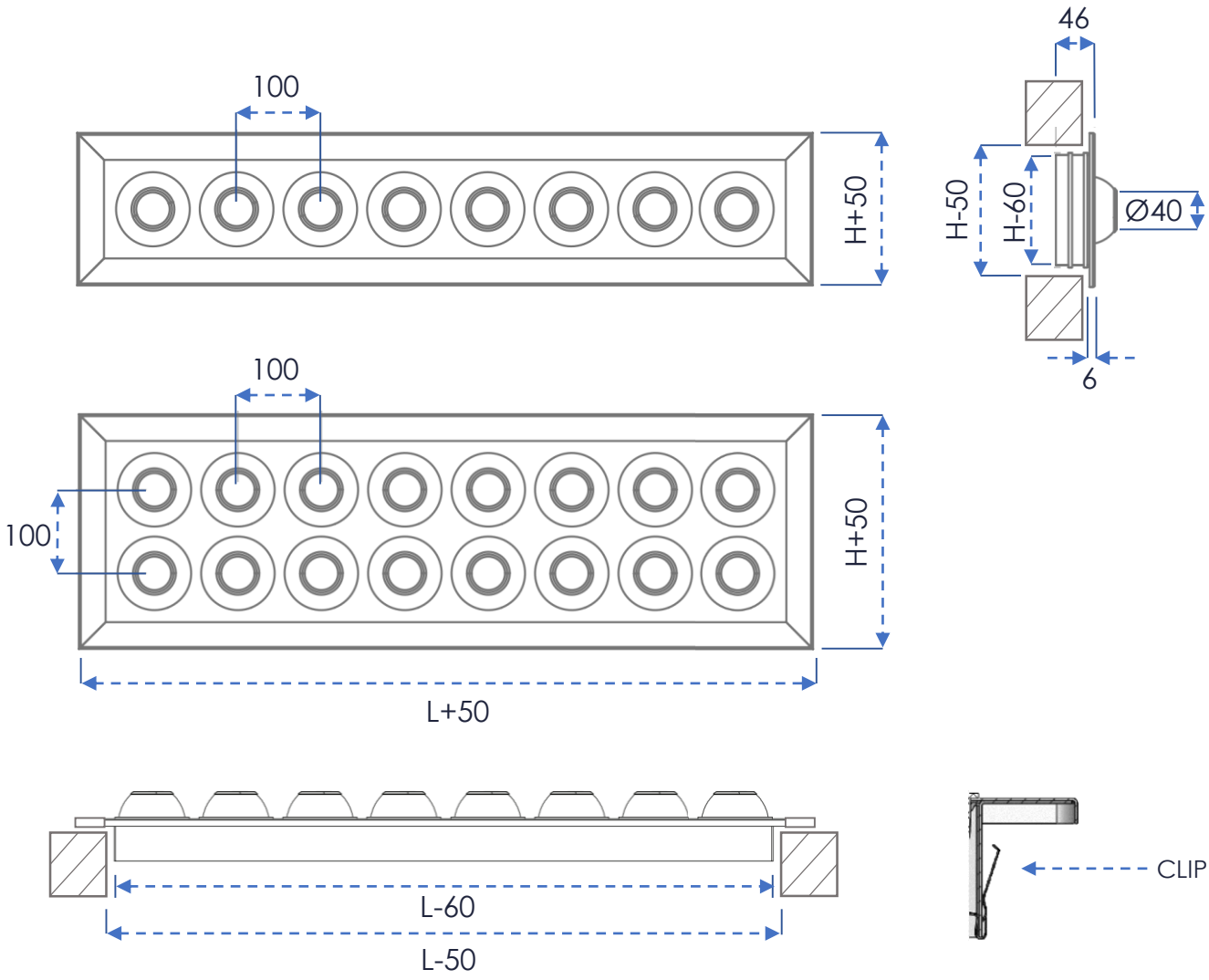
To meet all these requirements, the MTBM model long-range multi-nozzle unit has been designed. The studied and elaborated design of the grille allows a high air outlet velocity with low sound levels. Thanks to the high outlet velocities, a high air penetration into the room to be air-conditioned is achieved. This ensures ventilation of all areas of the room, not only in the vicinity of the supply air grille.

Another advantage of the long-range multi-nozzle unit lies in the fact that the air vein is broken down into a large number of individual air veins, resulting in a high induction rate. The temperatures and velocities of the individual air veins decrease rapidly, so that the air stream does not descend rapidly towards the occupied zone in cooling mode, nor does it rush towards the ceiling in heating mode.

The long-range multi-nozzle model MTBM, with individually manually adjustable nozzles, allows a divergent air vein (turning radius 30°).

# MULTINOZZLE WITH PERIMETRAL FRAME
# **SERIE MTBM**

## DIMENSIONS




## MTBM DIMENSIONS TABLE

| MTBM | N° of nozzles per row | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No. of nozzle rows | Nominal Meas's | L | 350 | 450 | 550 | 650 | 750 | 850 | 950 | 1050 | 1150 | 1250 |
| | H | Hole Meas's | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 |
| 1 | 150 | 100 | 3 Nozzles | 4 Nozzles | 5 Nozzles | 6 Nozzles | 7 Nozzles | 8 Nozzles | 9 Nozzles | 10 Nozzles | 11 Nozzles | 12 Nozzles |
| 2 | 250 | 200 | 6 Nozzles | 8 Nozzles | 10 Nozzles | 12 Nozzles | 14 Nozzles | 16 Nozzles | 18 Nozzles | 20 Nozzles | 22 Nozzles | 24 Nozzles |
| 3 | 350 | 300 | 9 Nozzles | 12 Nozzles | 15 Nozzles | 18 Nozzles | 21 Nozzles | 24 Nozzles | 27 Nozzles | 30 Nozzles | 33 Nozzles | 36 Nozzles |

## ACCESSORIES

- **PLÉNUM BOX** (see technical data sheet **PLENUM SERIES**).
- **MOUNTING FRAME.**

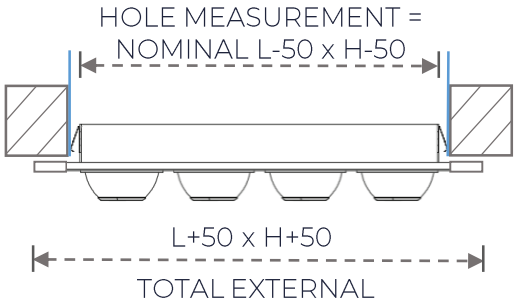
## FINISH

- Multi-nozzle made in **WHITE LACQUERED** aluminum **(RAL 9016).**
- On request, it can be manufactured in lacquered aluminum according to the **RAL** color chart.

## FIXING SYSTEM

### FIXING BY MEANS OF PRESSURE CLIPS

This type of fixing is the standard system for this series. The multi-nozzle must be placed in the resulting recess and pressed until it is attached to the sheet metal plates of the wall. The pressure that the clips exert on the wall prevents the multi-nozzle from slipping out.

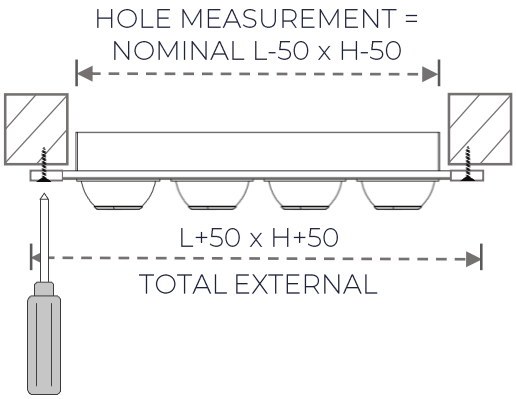






### SCREW FIXING

The multi-nozzle is supplied with countersunk holes. Screws not included. NOMINAL = L x H



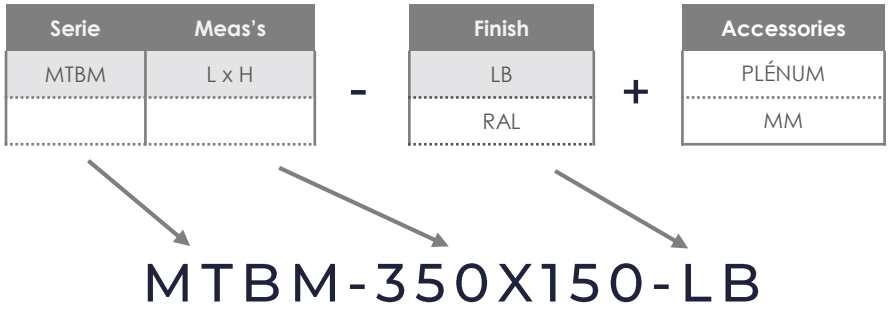
# QUICK SELECTION TABLE

| N° rows | | N° of nozzles per row | | |

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| Nº rows | | Nº of nozzles per row | | |

## GRAPHIC DESCRIPTION




**SERIE**

- MTBM: Multi-nozzle with perimetral frame.

**MEASUREMENTS (mm)**

- L x H: De 350 x 150 mm.

**FINISH**

- LB: White lacquered.

**Order example: MTBM 350x150 LB**

- To order a Multi-nozzle 350x150 mm with perimetral frame (1 row of 3 nozzles) white lacquered, you should request:

| Pedido | Descripción |
|---|---|
| 1 Multi-nozzle MTBM 350x150 – White lacquered | Multi-nozzle 350x150 mm with perimetral frame (1 row of 3 nozzles) white lacquered. |

**Order example: MTBM 550x250 LB**

- To order a Multi-nozzle 550x250 mm with perimetral frame (2 rows of 5 nozzles each) white lacquered, you should request:

| Pedido | Descripción |
|---|---|
| 1 Multi-nozzle MTBM 550x250 – White lacquered | Multi-nozzle 550x250 mm with perimetral frame (2 rows of 5 nozzles each) white lacquered. |



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