

# EBIA Industrial aluminium grilles 40 mm pitch



## Description

Aluminium air jets with industrial pitch for high air flow rates and low pressure drops.

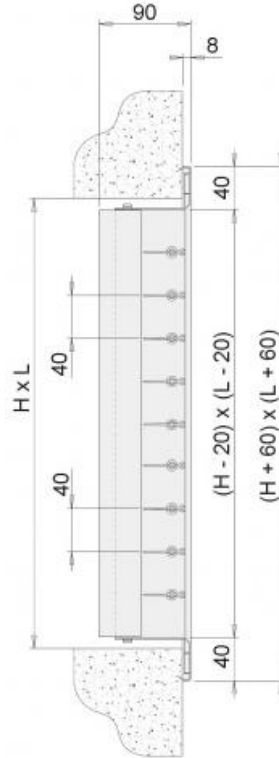
## Characteristics

Material: aluminium.

Finish: natural anodised.

Installation: fastening by means of front screws. For greater flexibility of installation, the air jets are supplied without screw holes.

Maximum dimensions: 1600 mm x 1600 mm.



## Use

Recommended for large rooms where high air flow rates and long air throw are required, for example industrial buildings, churches and hypermarkets.

## Models

EBIA/VO with 2 rows of vertical and horizontal blades;  
EBIA/OV with 2 rows of horizontal and vertical blades;  
EBIA/V with 1 row of vertical blades;  
EBIA/O with 1 row of horizontal blades.

Example: the VO version has the first vertical row near the front and the second horizontal row inside the air jet.

## Accessories

CTP Counter-frame to set into wall.

## On request

Painting in different RAL colours.

## Operating data

Vk: effective speed (m/s)

m<sup>3</sup>/h: flow rate

Pa: pressure drops in Pascal

L1 (m): air throw in metres calculated on ceiling installation, terminal velocity 0.25 m/s

dB(A): noise level

All dimensions are expressed in mm

| dimensions LxH | effective cross-section | m <sup>3</sup> /h | L1   | m <sup>3</sup> /h | L1   | m <sup>3</sup> /h | L1   |
|----------------|-------------------------|-------------------|------|-------------------|------|-------------------|------|
|                | m <sup>2</sup>          |                   |      |                   |      |                   |      |
| 500x200        | 0,075                   | 810               | 11,5 | 1080              | 14,6 | 1350              | 19,5 |
| 600x200        | 0,090                   | 972               | 13   | 1296              | 16   | 1620              | 22   |
| 700x200        | 0,105                   | 1134              | 13,5 | 1512              | 18   | 1890              | 23   |
| 800x200        | 0,120                   | 1296              | 14   | 1728              | 19   | 2160              | 24   |
| 1000x200       | 0,150                   | 1620              | 16,5 | 2160              | 21   | 2700              | 25   |
| 500x300        | 0,120                   | 1296              | 14   | 1728              | 18,1 | 2160              | 23   |
| 600x300        | 0,145                   | 1566              | 16,2 | 2088              | 20,8 | 2610              | 25   |
| 700x300        | 0,170                   | 1836              | 18,6 | 2448              | 23   | 3060              | 28   |
| 800x300        | 0,195                   | 2106              | 20,8 | 2808              | 25   | 3564              | 30   |
| 1000x300       | 0,245                   | 2646              | 23   | 3528              | 28   | 4410              | 35   |
| 1200x300       | 0,290                   | 3132              | 24,8 | 4176              | 29,5 | 5220              | 36   |
| 1500x300       | 0,360                   | 3888              | 26,6 | 5184              | 31   | 6480              | 37,5 |
| 600x400        | 0,200                   | 1260              | 20,5 | 2880              | 25,8 | 3600              | 29   |
| 700x400        | 0,230                   | 2484              | 23   | 3312              | 26,2 | 4140              | 32   |
| 800x400        | 0,260                   | 2808              | 25,5 | 3744              | 30   | 4680              | 35   |
| 1000x400       | 0,330                   | 3564              | 27,2 | 4752              | 33   | 5940              | 39   |
| 1200x400       | 0,410                   | 4428              | 28,4 | 5900              | 34,8 | 7380              | 40,2 |
| 1500x400       | 0,510                   | 5500              | 31,2 | 7350              | 37,7 | 9180              | 42   |
| 600x500        | 0,260                   | 2808              | 21   | 3744              | 29   | 4680              | 36   |
| 700x500        | 0,300                   | 3240              | 24   | 4320              | 31   | 5400              | 38   |
| 800x500        | 0,340                   | 3672              | 27   | 4896              | 33   | 6120              | 39,5 |
| 1000x500       | 0,420                   | 4536              | 29,5 | 6048              | 36   | 7560              | 41   |
| 1200x500       | 0,510                   | 4536              | 31,2 | 7350              | 37,7 | 9180              | 42   |
| 1500x500       | 0,630                   | 5500              | 32   | 9072              | 38,5 | 11340             | 43,2 |
| 600x600        | 0,310                   | 6805              | 23,6 | 4464              | 30,1 | 5580              | 37,2 |
| 800x600        | 0,420                   | 3348              | 28   | 6048              | 35   | 7560              | 40   |
| 1000x600       | 0,520                   | 5637              | 32   | 7516              | 37   | 9396              | 47   |
| 1200x600       | 0,630                   | 6804              | 33   | 9072              | 42   | 11340             | 49   |
| 1500x600       | 0,750                   | 8100              | 34,8 | 10800             | 44   | 13500             | 50,6 |
| Vk (m/s)       |                         | 3                 |      | 4                 |      | 5                 |      |

### Noise level dB(A)

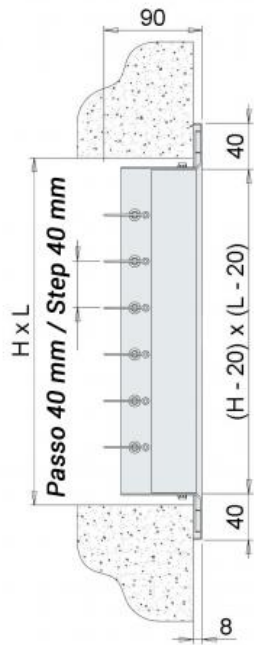
| V m/s | defl. 0° | defl. 20° | defl. 40° |
|-------|----------|-----------|-----------|
| 3     | 25/30    | 28/33     | 30/35     |
| 4     | 30/35    | 33/38     | 35/40     |
| 5     | 35/40    | 38/43     | 40/45     |

### Pressure drop (Pa)

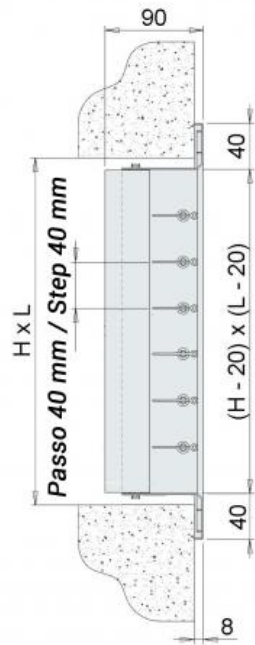
| V m/s | defl. 0° | defl. 20° | defl. 40° |
|-------|----------|-----------|-----------|
| 3     | 5        | 7         | 10        |
| 4     | 10       | 13        | 18        |
| 5     | 15       | 21        | 33        |

### Configuration

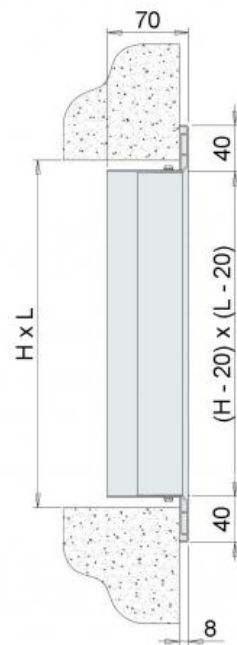
All measurements are expressed in mm.



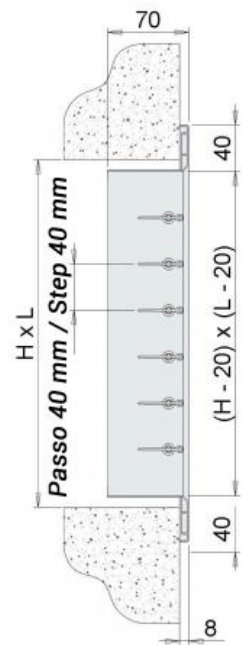
**EBIA/VO**



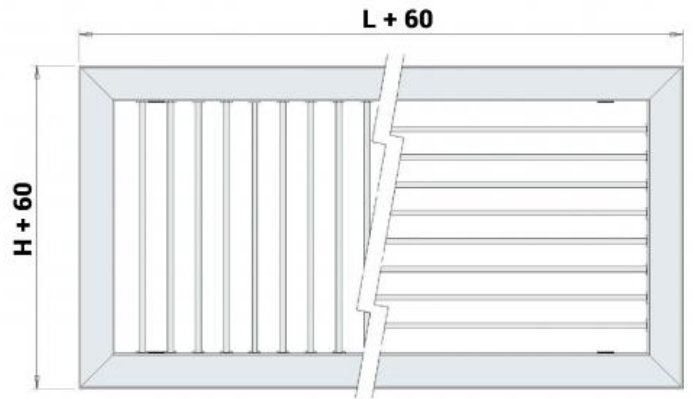
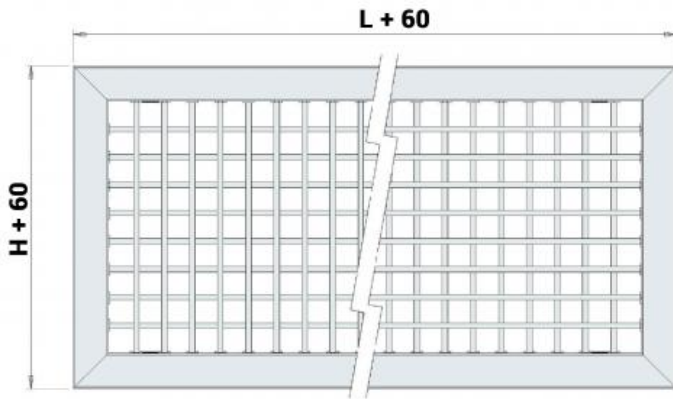
**EBIA/OV**



**EBIA/V**



**EBIA/O**



[CTP counter-frame](#)



[Price list](#)

| dimension | air jet EBIA-VO | air jet EBIA-OV | air jet EBIA-O | gair jet EBIA-V | counter-frame CTP |
|-----------|-----------------|-----------------|----------------|-----------------|-------------------|
| LxH       | <b>euro</b>     | <b>euro</b>     | <b>euro</b>    | <b>euro</b>     | <b>euro</b>       |
| 500x200   | 80,74 v         | 80,74 v         | 53,81 v        | 62,78 v         | 56,53 v           |
| 600x200   | 87,89 v         | 87,89 v         | 60,99 v        | 66,37 v         | 66,89 v           |
| 700x200   | 96,88 v         | 96,88 v         | 68,17 v        | 69,97 v         | 76,60 v           |
| 800x200   | 107,63 v        | 107,63 v        | 77,14 v        | 82,51 v         | 77,93 v           |
| 1000x200  | 118,39 v        | 118,39 v        | 80,74 v        | 87,89 v         | 83,58 v           |
| 500x300   | 100,46 v        | 100,46 v        | 67,27 v        | 71,75 v         | 60,93 v           |
| 600x300   | 117,71 v        | 117,71 v        | 74,91 v        | 86,58 v         | 70,35 v           |
| 700x300   | 129,16 v        | 129,16 v        | 83,42 v        | 97,76 v         | 79,76 v           |
| 800x300   | 141,06 v        | 141,06 v        | 91,47 v        | 108,01 v        | 81,59 v           |
| 1000x300  | 163,42 v        | 163,42 v        | 108,93 v       | 127,46 v        | 89,14 v           |
| 1200x300  | 184,83 v        | 184,83 v        | 125,51 v       | 147,86 v        | 94,79 v           |
| 1500x300  | 209,83 v        | 209,83 v        | 157,60 v       | 175,14 v        | 107,34 v          |
| 600x400   | 142,05 v        | 142,05 v        | 96,33 v        | 108,01 v        | 82,59 v           |
| 700x400   | 156,07 v        | 156,07 v        | 104,76 v       | 120,20 v        | 89,14 v           |
| 800x400   | 170,24 v        | 170,24 v        | 114,81 v       | 132,30 v        | 98,44 v           |

All dimensions are expressed in mm.

| dimension | air jet EBIA-VO | air jet EBIA-OV | air jet EBIA-O | air jet EBIA-V | counter-frame CTP |
|-----------|-----------------|-----------------|----------------|----------------|-------------------|
| LxH       | <b>euro</b>     | <b>euro</b>     | <b>euro</b>    | <b>euro</b>    | <b>euro</b>       |
| 1000x400  | 198,48 v        | 198,48 v        | 135,21 v       | 158,55 v       | 112,63 v          |
| 1200x400  | 228,63 v        | 228,63 v        | 156,64 v       | 180,95 v       | 135,12 v          |
| 1500x400  | 264,62 v        | 264,62 v        | 191,64 v       | 215,00 v       | 168,80 v          |
| 600x500   | 156,64 v        | 156,64 v        | 101,15 v       | 135,21 v       | 98,44 v           |
| 700x500   | 168,63 v        | 168,63 v        | 118,39 v       | 146,55 v       | 98,54 v           |
| 800x500   | 199,41 v        | 199,41 v        | 138,16 v       | 157,60 v       | 102,25 v          |
| 1000x500  | 235,45 v        | 235,45 v        | 163,42 v       | 186,78 v       | 126,67 v          |
| 1200x500  | 270,46 v        | 270,46 v        | 187,74 v       | 217,90 v       | 151,93 v          |
| 1500x500  | 305,48 v        | 305,48 v        | 218,86 v       | 258,80 v       | 189,57 v          |
| 600x600   | 182,87 v        | 182,87 v        | 117,71 v       | 138,54 v       | 103,04 v          |
| 800x600   | 230,57 v        | 230,57 v        | 160,50 v       | 183,86 v       | 121,89 v          |
| 1000x600  | 271,41 v        | 271,41 v        | 191,64 v       | 215,95 v       | 142,20 v          |
| 1200x600  | 312,28 v        | 312,28 v        | 233,48 v       | 252,94 v       | 180,02 v          |
| 1500x600  | 353,10 v        | 353,10 v        | 272,40 v       | 308,39 v       | 225,10 v          |