# EGA50 Industrial exhaust aluminium grilles 50 mm pitch

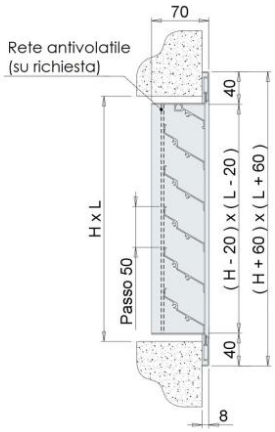


## Description

Exhaust grilles consisting of a strong aluminium profile.
The fixed blades are inclined by 45° with a 50 mm pitch.

## Characteristics

Material: aluminium.
Finish: natural anodised.
Installation: fastening by means of front screws. For greater flexibility of installation, the grilles are supplied without screw holes.




## Use

Grille suitable for both air exhaust and expulsion. It can be used both inside and outside the building thanks to its special rainproof profile.

## Accessories

- EPZ galvanised plenum;
- EPI insulated plenum;
- CTP counter-frame to set into wall.

## On request

- Painting in different RAL colours;
- galvanised steel 100mm pitch (EGZ 100);
- rainproof panel;
- bird mesh.

## Effective cross-section

| H | L | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 | 1800 |
| | effective cross-section $m^2$ | | | | | | | |
| 400 | 0,070 | 0,108 | 0,145 | 0,182 | 0,219 | 0,256 | 0,293 | 0,330 |
| 500 | 0,091 | 0,138 | 0,186 | 0,234 | 0,281 | 0,329 | 0,377 | 0,425 |
| 600 | 0,111 | 0,169 | 0,227 | 0,286 | 0,344 | 0,402 | 0,461 | 0,519 |
| 800 | 0,151 | 0,231 | 0,310 | 0,390 | 0,469 | 0,549 | 0,628 | 0,708 |
| 1000 | 0,191 | 0,292 | 0,393 | 0,493 | 0,594 | 0,695 | 0,796 | 0,896 |
| 1200 | 0,232 | 0,354 | 0,475 | 0,597 | 0,719 | 0,841 | 0,963 | 1,085 |
| 1500 | 0,292 | 0,446 | 0,599 | 0,753 | 0,907 | 1,061 | 1,214 | 1,368 |

## Operating data

Vk: effective speed (m/s)
$m^3/h$: flow rate
Pa: pressure drops in Pascal
dB(A): noise level

L: base
H: height
All dimensions are expressed in mm

| H | Vk m/s | L | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 | 1800 |
| | | flow rate $m^3/h$ | | | | | | | |
| 400 | 4 | 1015 | 1550 | 2085 | 2620 | 3150 | 3685 | 4220 | 4755 |
| | 6 | 1520 | 2325 | 3125 | 3930 | 4730 | 5530 | 6330 | 7130 |
| | 8 | 2030 | 3100 | 4165 | 5235 | 6305 | 7375 | 8440 | 9510 |
| 500 | 4 | 1300 | 1990 | 2680 | 3365 | 4055 | 4740 | 5425 | 6115 |
| | 6 | 1960 | 2990 | 4020 | 5050 | 6080 | 7110 | 8140 | 9170 |
| | 8 | 2610 | 3985 | 5360 | 6730 | 8105 | 9480 | 10850 | 12225 |
| 600 | 4 | 1595 | 2435 | 3275 | 4115 | 4950 | 5795 | 6630 | 7470 |
| | 6 | 2390 | 3650 | 4910 | 6170 | 9820 | 8690 | 9950 | 11205 |
| | 8 | 3190 | 4870 | 6550 | 8225 | 9905 | 11585 | 13265 | 14945 |
| 800 | 4 | 2175 | 3320 | 4465 | 5610 | 6755 | 7900 | 9045 | 10190 |
| | 6 | 3260 | 4980 | 6695 | 8415 | 10130 | 11850 | 13565 | 15285 |
| | 8 | 4350 | 6640 | 8930 | 11220 | 13510 | 15800 | 18090 | 20375 |
| 1000 | 4 | 2755 | 4205 | 5655 | 7105 | 8555 | 10000 | 11455 | 12905 |
| | 6 | 4130 | 6310 | 8485 | 10660 | 12830 | 15000 | 17185 | 19360 |
| | 8 | 5510 | 8410 | 11310 | 14210 | 17110 | 20000 | 22910 | 25810 |
| 1200 | 4 | 3335 | 5090 | 6845 | 8601 | 10360 | 12110 | 13865 | 15620 |
| | 6 | 5000 | 7635 | 10270 | 12900 | 15535 | 18170 | 20800 | 23435 |
| | 8 | 6670 | 10180 | 13690 | 17200 | 20710 | 24225 | 27735 | 31245 |
| 1500 | 4 | 4205 | 6420 | 8630 | 10845 | 13060 | 15270 | 17485 | 19700 |
| | 6 | 6310 | 9630 | 12950 | 16270 | 19590 | 22905 | 26225 | 29550 |
| | 8 | 8410 | 12840 | 17265 | 21690 | 26115 | 30545 | 34970 | 39400 |

## Noise level dB(A)

| Vk m/s | dB(A) |
|---|---|
| 4 | 25/30 |
| 6 | 35/45 |
| 8 | 45/50 |

## Pressure drop (Pa)

| Vk m/s | Pa |
|---|---|
| 4 | 16 |
| 6 | 45 |
| 8 | 80 |

## CTP counter-frame



## Price list

Notes :
- with bird mesh + 20 %
- with rainproof profile +10%
- mosquito mesh price on request.
- RAL painting : price on request

| EGA50 grille | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| H | L | | | | | | | |
| | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 | 1800 |
| | euro | euro | euro | euro | euro | euro | euro | euro |
| 400 | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ |
| 500 | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ |
| 600 | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ |
| 800 | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ |
| 1000 | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ |
| 1200 | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ |
| 1500 | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ |

## CTP counter-frame

| CTP counter-frame | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| H | L | | | | | | | |
| | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 | 1800 |
| | euro | euro | euro | euro | euro | euro | euro | euro |
| 400 | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ |
| 500 | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ |
| 600 | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ |
| 800 | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ |
| 1000 | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ |
| 1200 | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ |
| 1500 | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ | ⌄ |