

# EGA50-3S Aluminium intake or exhaust grilles, 50 mm pitch, with overpressure damper



### Description

Air intake or exhaust grilles made of sturdy aluminum profile with overpressure damper. The fixed fins are inclined at 45° with a 50 mm pitch.

### Characteristics

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

### Use

Grille suitable for air intake or expulsion.

### Models

- EGA50-3SA: 50 mm pitch aluminium intake grilles with overpressure damper.
- EGA50-3SE: 50 mm pitch aluminium exhaust grilles with overpressure damper.

### On demand

- Personalized paintings;
- Rain proof panel;
- Bird mesh;
- Mosquito mesh.

## Dimensions

| Technical Drawing |           |           |
|-------------------|-----------|-----------|
| Front View        | EGA50-3SA | EGA50-3SE |
|                   |           |           |

Effective Cross-Section

| H    | L                            |       |       |       |       |       |       |       |
|------|------------------------------|-------|-------|-------|-------|-------|-------|-------|
|      | 400                          | 600   | 800   | 1000  | 1200  | 1400  | 1600  | 1800  |
|      | Effective Cross-Section (m2) |       |       |       |       |       |       |       |
| 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).
- m³/h: air flow .
- Pa: pressure drop in Pascal.
- dB(A): noise level.
- L: base. H: Height.

Dimensions are expressed in mm.

| H    | Vk<br>m/s | L              |       |       |       |       |       |       |       |
|------|-----------|----------------|-------|-------|-------|-------|-------|-------|-------|
|      |           | 400            | 600   | 800   | 1000  | 1200  | 1400  | 1600  | 1800  |
|      |           | Flow Rate m³/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  | 7430  | 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) - Pressure Drop (Pa)

| Vk<br>m/s | dB(A) | Pa  |
|-----------|-------|-----|
| 4         | 26/35 | 34  |
| 6         | 37/46 | 68  |
| 8         | 46/51 | 109 |

Price list  
EGA50-3SA  
(INTAKE)

Notes :

- with bird mesh + 30%;
- with rainproof profile +10%;
- mosquito mesh price on request,
- RAL painting : price on request.

| EGA50-3SA |     |     |     |      |      |      |      |      |
|-----------|-----|-----|-----|------|------|------|------|------|
| H         | L   |     |     |      |      |      |      |      |
|           | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 | 1800 |
|           | €   | €   | €   | €    | €    | €    | €    | €    |
| 400       | -   | -   | -   | -    | -    | -    | -    | -    |
| 500       | -   | -   | -   | -    | -    | -    | -    | -    |
| 600       | -   | -   | -   | -    | -    | -    | -    | -    |
| 800       | -   | -   | -   | -    | -    | -    | -    | -    |
| 1000      | -   | -   | -   | -    | -    | -    | -    | -    |
| 1200      | -   | -   | -   | -    | -    | -    | -    | -    |
| 1500      | -   | -   | -   | -    | -    | -    | -    | -    |

Price list EGA50-3SE (EXAUST)

| EGA50-3SE |     |     |     |      |      |      |      |      |
|-----------|-----|-----|-----|------|------|------|------|------|
| H         | L   |     |     |      |      |      |      |      |
|           | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 | 1800 |
|           | €   | €   | €   | €    | €    | €    | €    | €    |
| 400       | -   | -   | -   | -    | -    | -    | -    | -    |
| 500       | -   | -   | -   | -    | -    | -    | -    | -    |
| 600       | -   | -   | -   | -    | -    | -    | -    | -    |
| 800       | -   | -   | -   | -    | -    | -    | -    | -    |
| 1000      | -   | -   | -   | -    | -    | -    | -    | -    |
| 1200      | -   | -   | -   | -    | -    | -    | -    | -    |
| 1500      | -   | -   | -   | -    | -    | -    | -    | -    |