

- Built-in
- Rectangular
- Aluminium
- Anodized natural finish



## Rectangular external louvres type BLR-1

Aluminium rectangular louvres in standard dimensions with physical free area of 43%.

### Brand

- CAIROX

### Application

- For fresh air intake or exhaust, wall mounted.

### Material

- Aluminium

### Colour

- Anodized natural finish

### Composition

- Frame and blades of aluminium
- Stainless steel INOX304 insectscreen mesh of 2.3 X 2.3 mm fitted behind the louvre
- The weather resistant blades have a blade pitch of 33 mm.
- Can be produced in any other dimension or RAL colours, type **BLR-1M**

### Mounting

- To be mounted by means of mounting brackets

### Accessories

- Mounting brackets (included)

### Order example

- **BLR-1, 400, 200**

Explanation

**BLR-1** = Type grill

**400** = Length grill

**200** = Height grill

## External louvres

| Quick selection |       |         |         |         |         |                    |         |         |         |         |         |         |         |         |          |
|-----------------|-------|---------|---------|---------|---------|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| Q               | Type  | 200x200 | 300x200 | 400x200 | 300x300 | 400x300<br>600x200 | 500x300 | 400x400 | 600x300 | 500x400 | 600x400 | 500x500 | 600x600 | 700x700 | 1000x500 |
| 100             | Aeff  | 0.017   | 0.026   | 0.034   | 0.039   | 0.052              | 0.065   | 0.069   | 0.077   | 0.086   | 0.103   | 0.108   | 0.155   | 0.212   | 0.215    |
|                 | Veff  | 1.61    | 1.08    |         |         |                    |         |         |         |         |         |         |         |         |          |
|                 | Ps    | 7.50    | 3.30    |         |         |                    |         |         |         |         |         |         |         |         |          |
|                 | Lw(A) | 13      | 3       |         |         |                    |         |         |         |         |         |         |         |         |          |
| 150             | Veff  | 2.42    | 1.61    | 1.21    | 1.08    |                    |         |         |         |         |         |         |         |         |          |
|                 | Ps    | 16.80   | 7.50    | 4.20    | 3.30    |                    |         |         |         |         |         |         |         |         |          |
|                 | Lw(A) | 26      | 15      | 8       | 4       |                    |         |         |         |         |         |         |         |         |          |
|                 | Veff  | 3.23    | 2.15    | 1.61    | 1.44    | 1.08               |         |         |         |         |         |         |         |         |          |
| 200             | Ps    | 29.80   | 13.30   | 7.50    | 5.90    | 3.30               |         |         |         |         |         |         |         |         |          |
|                 | Lw(A) | 34      | 24      | 16      | 13      | 6                  |         |         |         |         |         |         |         |         |          |
|                 | Veff  | 4.04    | 2.69    | 2.02    | 1.79    | 1.35               | 1.08    | 1.01    |         |         |         |         |         |         |          |
|                 | Ps    | 46.60   | 20.70   | 11.60   | 9.20    | 5.20               | 3.30    | 2.90    |         |         |         |         |         |         |          |
| 250             | Lw(A) | 41      | 31      | 23      | 20      | 12                 | 7       | 5       |         |         |         |         |         |         |          |
|                 | Veff  |         | 3.23    | 2.42    | 2.15    | 1.61               | 1.29    | 1.21    | 1.08    | 0.97    |         |         |         |         |          |
|                 | Ps    |         | 29.80   | 16.80   | 13.30   | 7.50               | 4.80    | 4.20    | 3.30    | 2.70    |         |         |         |         |          |
|                 | Lw(A) |         | 36      | 29      | 26      | 18                 | 12      | 11      | 7       | 5       |         |         |         |         |          |
| 300             | Veff  |         |         | 3.23    | 2.87    | 2.15               | 1.72    | 1.61    | 1.44    | 1.29    | 1.08    | 1.03    |         |         |          |
|                 | Ps    |         |         | 29.80   | 23.60   | 13.30              | 8.50    | 7.50    | 5.90    | 4.80    | 3.30    | 3.10    |         |         |          |
|                 | Lw(A) |         |         | 37      | 34      | 27                 | 21      | 19      | 16      | 13      | 9       | 8       |         |         |          |
|                 | Veff  |         |         |         | 3.59    | 2.69               | 2.15    | 2.02    | 1.79    | 1.61    | 1.35    | 1.29    |         |         |          |
| 400             | Ps    |         |         |         | 26.80   | 20.70              | 13.30   | 11.60   | 9.20    | 7.50    | 5.20    | 4.80    |         |         |          |
|                 | Lw(A) |         |         |         | 41      | 34                 | 28      | 26      | 23      | 20      | 16      | 14      |         |         |          |
|                 | Veff  |         |         |         |         | 3.23               | 2.58    | 2.42    | 2.15    | 1.94    | 1.61    | 1.55    | 1.08    |         |          |
|                 | Ps    |         |         |         |         | 29.80              | 19.10   | 16.80   | 13.30   | 10.70   | 7.50    | 6.90    | 3.30    |         |          |
| 500             | Lw(A) |         |         |         |         | 39                 | 33      | 32      | 29      | 26      | 21      | 20      | 10      |         |          |
|                 | Veff  |         |         |         |         |                    | 3.01    | 2.83    | 2.51    | 2.26    | 1.88    | 1.81    | 1.26    | 0.92    |          |
|                 | Ps    |         |         |         |         |                    | 26      | 22.80   | 18      | 14.60   | 10.10   | 9.40    | 4.50    | 2.40    |          |
|                 | Lw(A) |         |         |         |         |                    | 44      | 38      | 36      | 33      | 30      | 26      | 15      | 7       |          |
| 600             | Veff  |         |         |         |         |                    | 3.45    | 3.23    | 2.87    | 2.58    | 2.15    | 2.07    | 1.44    | 1.05    | 1.03     |
|                 | Ps    |         |         |         |         |                    | 33.90   | 29.80   | 23.60   | 19.10   | 13.30   | 12.20   | 5.90    | 3.20    | 3.10     |
|                 | Lw(A) |         |         |         |         |                    | 42      | 40      | 37      | 35      | 30      | 29      | 19      | 11      | 11       |
|                 | Veff  |         |         |         |         |                    |         |         | 3.59    | 3.23    | 2.69    | 2.58    | 1.79    | 1.32    | 1.29     |
| 700             | Ps    |         |         |         |         |                    |         |         | 36.80   | 29.80   | 20.70   | 19.10   | 9.20    | 5       | 4.80     |
|                 | Lw(A) |         |         |         |         |                    |         |         | 44      | 41      | 37      | 36      | 26      | 18      | 17       |
|                 | Veff  |         |         |         |         |                    |         |         |         | 3.88    | 3.23    | 3.10    | 2.15    | 1.58    | 1.55     |
|                 | Ps    |         |         |         |         |                    |         |         |         | 42.90   | 29.80   | 27.50   | 13.30   | 7.20    | 6.90     |
| 800             | Lw(A) |         |         |         |         |                    |         |         |         | 47      | 42      | 41      | 32      | 24      | 23       |
|                 | Veff  |         |         |         |         |                    |         |         |         |         | 3.77    | 3.62    | 2.51    | 1.85    | 1.81     |
|                 | Ps    |         |         |         |         |                    |         |         |         |         | 40.60   | 37.40   | 18      | 9.70    | 9.40     |
|                 | Lw(A) |         |         |         |         |                    |         |         |         |         | 47      | 46      | 36      | 28      | 28       |
| 1000            | Veff  |         |         |         |         |                    |         |         |         |         |         |         | 2.87    | 2.11    | 2.07     |
|                 | Ps    |         |         |         |         |                    |         |         |         |         |         |         | 23.60   | 12.70   | 12.20    |
|                 | Lw(A) |         |         |         |         |                    |         |         |         |         |         |         | 40      | 32      | 32       |
|                 | Veff  |         |         |         |         |                    |         |         |         |         |         |         |         | 3.23    | 2.37     |
| 1200            | Ps    |         |         |         |         |                    |         |         |         |         |         |         | 29.80   | 16.10   | 155      |
|                 | Lw(A) |         |         |         |         |                    |         |         |         |         |         |         | 44      | 36      | 35       |
|                 | Veff  |         |         |         |         |                    |         |         |         |         |         |         |         |         | 2.64     |
|                 | Ps    |         |         |         |         |                    |         |         |         |         |         |         |         |         | 19.90    |
| 1400            | Lw(A) |         |         |         |         |                    |         |         |         |         |         |         |         |         | 19.10    |
|                 | Veff  |         |         |         |         |                    |         |         |         |         |         |         |         |         | 39       |
|                 | Ps    |         |         |         |         |                    |         |         |         |         |         |         |         |         | 3.30     |
|                 | Lw(A) |         |         |         |         |                    |         |         |         |         |         |         |         |         | 3.23     |
| 1600            | Ps    |         |         |         |         |                    |         |         |         |         |         |         |         |         | 31.10    |
|                 | Lw(A) |         |         |         |         |                    |         |         |         |         |         |         |         |         | 29.80    |
|                 | Veff  |         |         |         |         |                    |         |         |         |         |         |         |         |         | 46       |
|                 | Ps    |         |         |         |         |                    |         |         |         |         |         |         |         |         | 45       |

### Symbols and specifications

- Ps = Static pressure loss in Pa
- Q = Air Volume in m³/h
- Type = Hole LXH in wall in mm
- V<sub>k</sub> = Effective air velocity true the grille in m/s
- A<sub>k</sub> = Effective area in m²
- Lw(A) = Acoustic power in dB(A)