

# 411

## Wall louvre, standard series

BUILT-IN WALL  
LOUVRE

ALUMINIUM



411 with thermal insulation panel



Cable feed channel

### MATERIAL

- Made from aluminium sections: AlMgSi 0.5 [according to EN 12020-2]
- Stainless steel 304 insect screen [2.3 x 2.3 mm]
- Finishing: anodized in satin colour [20 micron] or powder-coated in any RAL or Syntha Pulvin colour [40 micron]

### DIMENSIONS

- Blade pitch: 33,3 mm
- Depth to fit: 29 mm
- Flange size: 21 mm
- Minimum dimensions: 100 x 100 mm

### FIXING

- Brackets ref. 418
- Spring clips ref. 419 available on request [small dimensions]
- For louvres larger than approx. 3 m<sup>2</sup>, a reinforcing mullion is required to suit span and windload

### OPTIONS *[see p. 16]*

- Water channel
- Drainage profile
- Removable insect mesh
- Backframe
- Filter
- Special shape *[see next p.]*
- Controllable *[see next p.]*
- Without flange *[see next p.]*
- Glazed-in louvre 414 *[see p. 80]*
- Stainless steel 304 mesh [6x6/10x10/20x20 mm] or without
- Insect screen or mesh in stainless steel 316
- Spring clips 419 [small dimensions]
- Cable feed channel

### TYPICAL APPLICATIONS

- Every application without specific needs



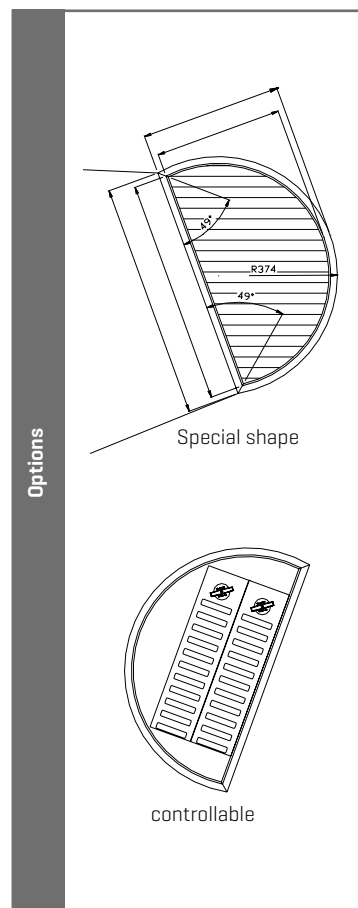
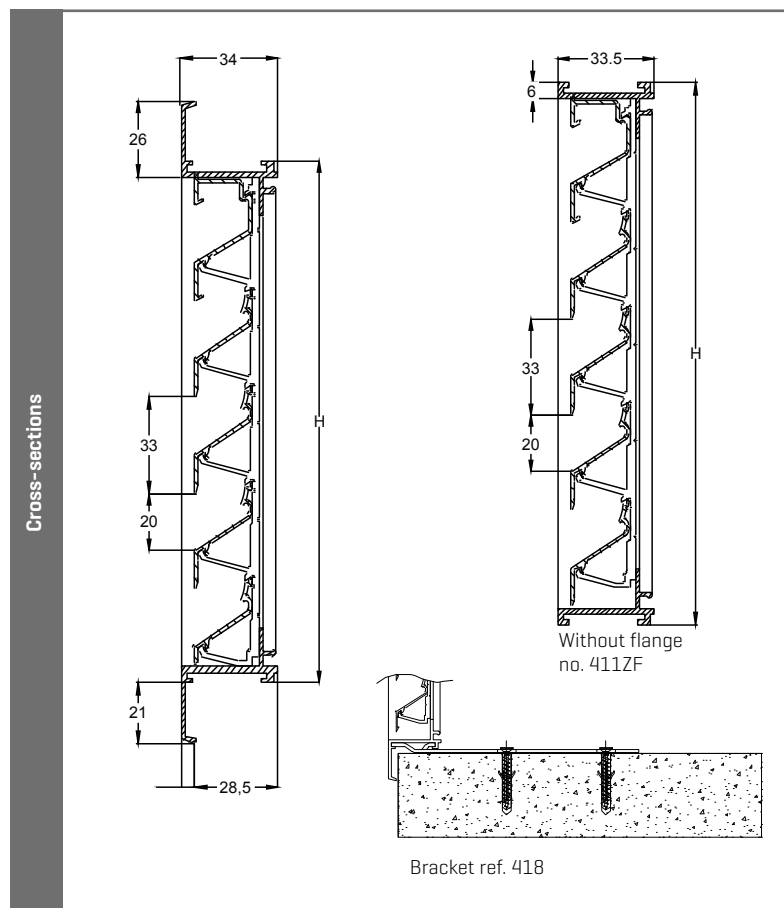
## TECHNICAL SPECIFICATIONS

All properties are valid for the standard version of the Louvre, unless otherwise stated.

|  |              |
|--|--------------|
| <b>Weatherability</b>  | [EN 13030]   |
| Class [details see p. 12]  | A3 [0.5 m/s] |
| <b>Airflow</b>   | [EN 13030]   |
| K-factor [entry]   | 20.47        |
| K-factor [discharge]   | 19.58        |
| C <sub>e</sub> coefficient   | 0.221        |
| C <sub>d</sub> coefficient   | 0.226        |
| <b>Technical data</b>  |              |
| Visual free area   | 59%          |
| Physical free area   | 50%          |
| IP class [louvre with mesh; electrical installation at least 100 mm from louvre] | IP2XD        |



## TECHNICAL DRAWINGS



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### STOCK MODELS

| Dimensions<br>(W x H) mm | Natural colour<br>anodised F1 | Renson<br>Standard<br>WHITE | STR 7016 | STR 9005 | Airflow at 2 Pa<br>(m <sup>3</sup> /h) |
|--------------------------|-------------------------------|-----------------------------|----------|----------|--|
| 142 x 142                | 00041197                      |                             |          |          | 23                                     |
| 200 x 200                | 00041122                      | 00411226                    | 00411223 | 00411229 | 50                                     |
| 300 x 200                | 00041132                      |                             |          |          | 77                                     |
| 300 x 300                | 00041133                      |                             |          |          | 118                                    |
| 400 x 200                | 00041142                      | 00411426                    |          |          | 103                                    |
| 400 x 300                | 00041143                      | 00411436                    |          |          | 159                                    |
| 400 x 400                | 00041144                      | 00411446                    |          |          | 215                                    |
| 500 x 300                | 00041153                      |                             |          |          | 201                                    |
| 500 x 400                | 00041154                      |                             |          |          | 271                                    |
| 500 x 500                | 00041155                      |                             |          |          | 342                                    |
| 600 x 300                | 00041163                      |                             |          |          | 242                                    |
| 600 x 400                | 00041164                      |                             |          |          | 327                                    |
| 600 x 600                | 00041166                      |                             |          |          | 497                                    |
| 700 x 700                | 00041177                      |                             |          |          | 682                                    |
| 1000 x 500               | 00411105                      |                             |          |          | 694                                    |
| 1000 x 1000              | 00041111                      |                             |          |          | 1409                                   |