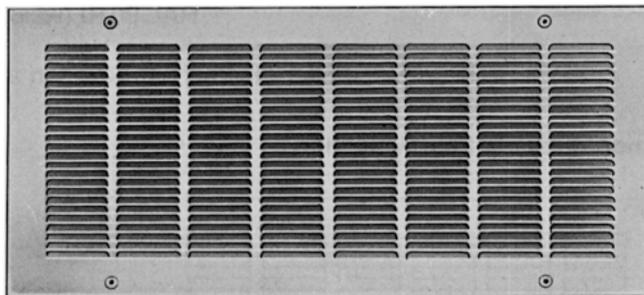




# Louvre airflow grille LL



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## Louvre airflow grille LL

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## Louvre airflow grille LL

### Description

The louvre airflow grille LL with fixed punched slots is used as simple overflow grille.

Free open cross-section, relative to clearance, = 60 %

### Construction

Overflow grille

- Sheet steel painted to RAL 9010 (white)
- Galvanised sheet steel

### Accessories

Mounting frame (-ER1)

- Electrolytically galvanised sheet steel

Mounting frame with wall anchors (-ER2)

- Electrolytically galvanised sheet steel with wall anchors

### Fastening

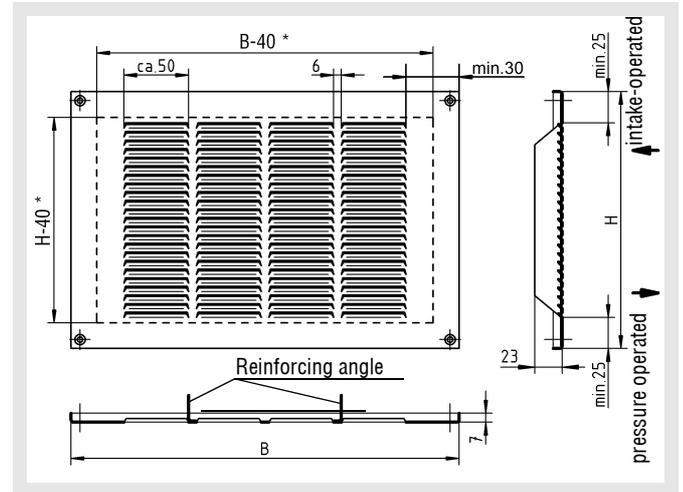
Screw mounting (-SM)

- Standard, screws must be provided on site

## Models and dimensions

### Dimensions

LL



Number of reinforcing angles from height 550 onwards:

- $B < 500$  - none
- $B > 500-799$  - 2 reinforcing angles
- $B \geq 800$  - 3 reinforcing angles

### Available sizes

B	H
200	200
250	250
300	300
350	350
400	400
450	450
500	500
550	550
600	600
650	700
700	800
750	900
800	1000
900	
1000	

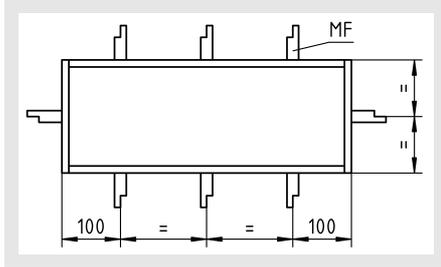
All combined widths and heights available.

\* on-site cut-out dimension

## Louvre airflow grille LL

### Dimensions of accessories

#### Mounting frame (-ER1/-ER2)



MF = Wall anchors

#### Number of wall anchors

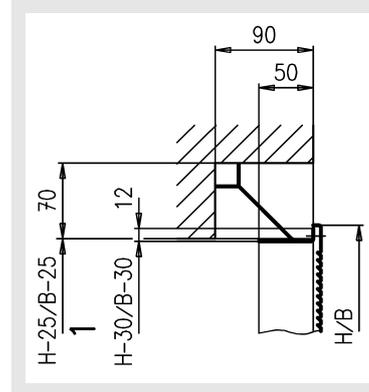
$H \geq 800 \Rightarrow 1$  wall anchor per side

$H \leq 750 \Rightarrow 2$  wall anchors per side

$H > 750 \Rightarrow 3$  wall anchors per side

### Installation

#### Fitting position with mounting frame (-ER2)

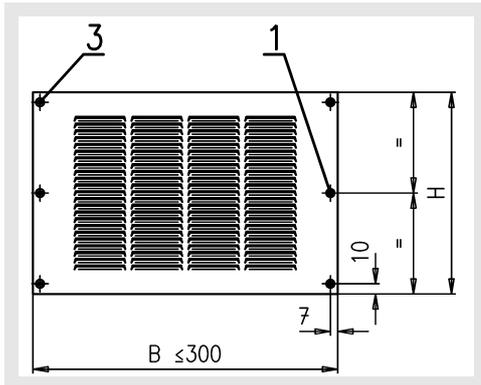


1 = installation dimension

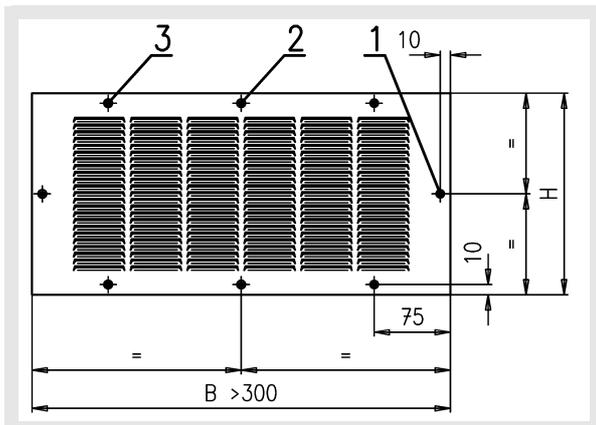
### Fastening methods

#### Screw mounting (-SM)

##### Width $\leq 300$



##### Width $> 300$



1 = from  $H \geq 800$

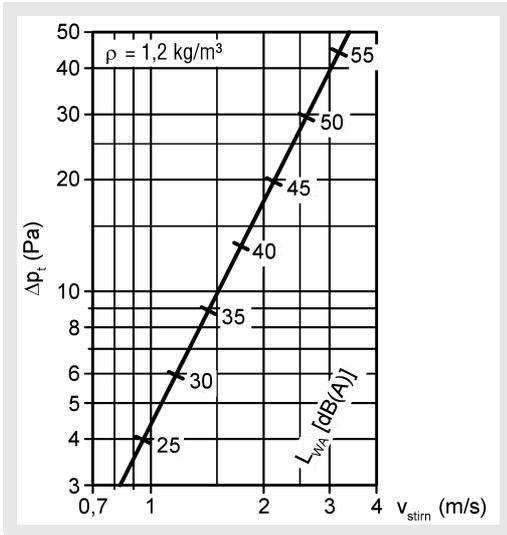
2 = from  $B \geq 800$

3 = Indentation for slotted shallow-raised countersunk-head tapping screw DIN ISO 7051 pitch 3.9 (on-site)

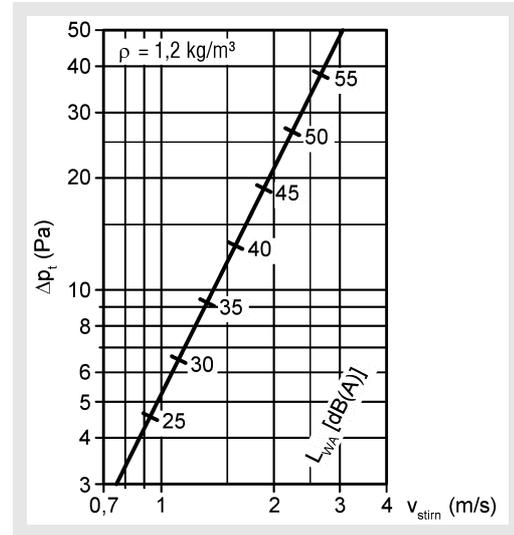
## Louvre airflow grille LL

### Technical data

#### Pressure loss and noise level pressure operated

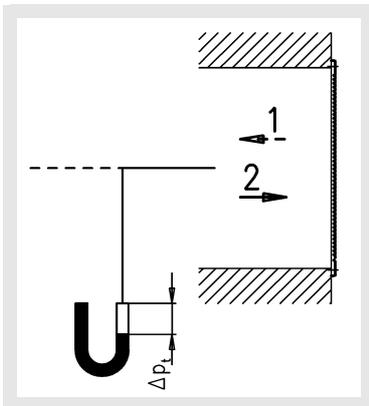


#### intake-operated



#### Correction factor

<b>A<sub>stirn</sub> (m<sup>2</sup>)</b>	0,026	0,032	0,041	0,051	0,065	0,082	0,1	0,13	0,16	0,2	0,26	0,32	0,41	0,51	0,65	0,82	1,05
<b>KF (-)</b>	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	+1	+2	+3	+4	+5



1 = intake-operated 2 = pressure operated

#### Legend

- $v_{stirn}$  (m/s) = Intake velocity, blower stream velocity, outflow velocity, relative to  $A_{stirn}$
- $A_{stirn}$  (m<sup>2</sup>) = Front face area, relative to B-35 and H-35
- $\rho$  (kg/m<sup>3</sup>) = Density
- $\Delta p_t$  (Pa) = Pressure loss
- $L_{WA}$  [dB(A)] = A-weighted sound power level ( $L_{WA} = L_{WA1} + KF$ )
- KF (-) = Correction factor
- H (mm) = Height
- B (mm) = Width

## Louvre airflow grille LL

### Order code LL

01	02	03	04
Type	Width	Height	Material
<b>Example</b>			
LL	-0450	-0200	-SB

05	06	07
Paint	Mounting	Mounting frame
-9010	-SM	-ERO

All fields must be filled when ordering

Sample  
LL-0450-0200-SB-9010-SM-ERO

Louvre airflow grille LL | grille width 450 mm | grille height 200 mm | sheet steel | painted to RAL9010 | with screw mounting | without mounting frame

#### Order details

##### 01 - Type

LL = Louvre grille type LL

##### 02 - Width

0200 = Grille width 200 mm  
 0250 = Grille width 250 mm  
 0300 = Grille width 300 mm  
 0350 = Grille width 350 mm  
 0400 = Grille width 400 mm  
 0450 = Grille width 450 mm  
 0500 = Grille width 500 mm  
 0550 = Grille width 550 mm  
 0600 = Grille width 600 mm  
 0650 = Grille width 650 mm  
 0700 = Grille width 700 mm  
 0750 = Grille width 750 mm  
 0800 = Grille width 800 mm  
 0900 = Grille width 900 mm  
 1000 = Grille width 1000 mm

##### 03 - Height

0200 = Grille height 200 mm  
 0250 = Grille height 250 mm  
 0300 = Grille height 300 mm  
 0350 = Grille height 350 mm  
 0400 = Grille height 400 mm  
 0450 = Grille height 450 mm  
 0500 = Grille height 500 mm

0550 = Grille height 550 mm  
 0600 = Grille height 600 mm  
 0700 = Grille height 700 mm  
 0800 = Grille height 800 mm  
 0900 = Grille height 900 mm  
 1000 = Grille height 1000 mm

##### 04 - Material

SV = Galvanised sheet steel  
 SB = Sheet steel (standard, only available with paint)

##### 05 - Paint

0000 = Without paint  
 9010 = RAL 9010 (white, standard)  
 xxxx = RAL colour can be freely selected (always with 4 digits)

##### 06 - Mounting

SM = Screw mounting (standard)

##### 07 - Mounting frame

ERO = Without mounting frame (standard)  
 ER1 = With mounting frame  
 ER2 = With mounting frame frame with wall anchors

## Louvre airflow grille LL

### Specification texts

Louvre airflow grille with fixed punched slots made of galvanised sheet steel or sheet steel painted to RAL 9010 (white).

Product: SCHAKO **type LL**

Accessories:

- Mounting frame (-ER1), made of electrolytically galvanised sheet steel
- Mounting frame (-ER2), made of electrolytically galvanised sheet steel with wall anchors