

Special grille

C



Description

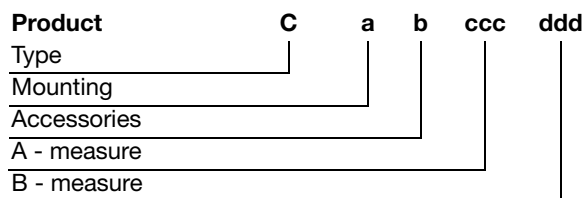
Special grille type C is a range of aluminium grilles with adjustable horizontal bars for supply air systems. The grille can be configured on the basis of the summary. As part of the configuration you can select the type of mounting and accessories. Finally, A x B dimensions are specified. These have certain limitations, which are shown under the order code.

Materials and finish

Grille and accessories: Aluminium
 Mounting frame: Galvanised steel
 Standard finish: Natural anodised
 On request: RAL 9010 Gloss 30

The grille is available in other colours. Please contact Lindab's sales department for further information.

Order code



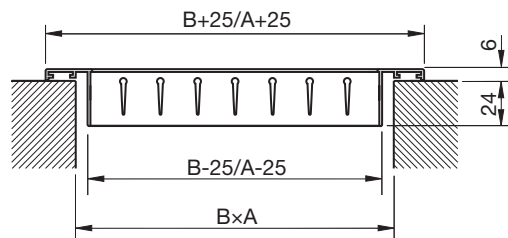
A x B: Duct/cutout
 A dimension: along the bars
 B dimension: across the bars
 Can be supplied in other dimensions.

Max. A x B = 1200 x 500
 Min. A x B = 100 x 60
 Free area F [m²] = (A-25) x (B-25) x 0.8 x 10⁻⁶

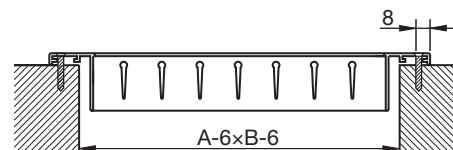
Mounting frame and volume regulator - see GGR/GAT.

Mounting

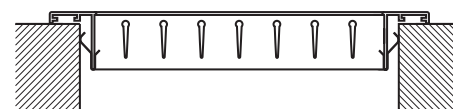
0. Not prepared for installation



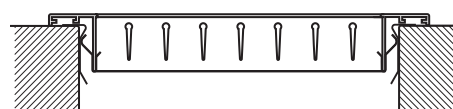
1. With screw holes



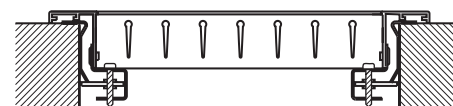
2. With springs only for installation in box



3. With springs and mounting frame



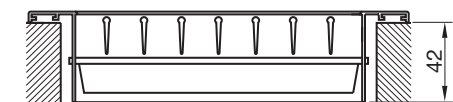
8. With concealed screw fitting and mounting frame



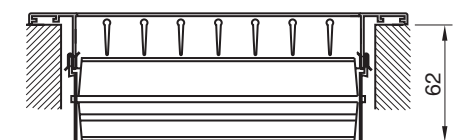
Accessories

0. Without accessories

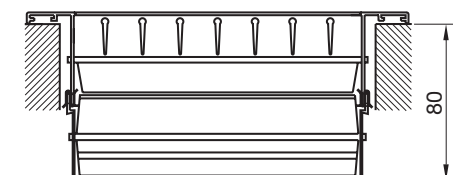
1. With direction regulation



2. With volume regulator



3. With direction and volume regulator



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Ventilation grille/Special grille C20/C21/C

Technical data

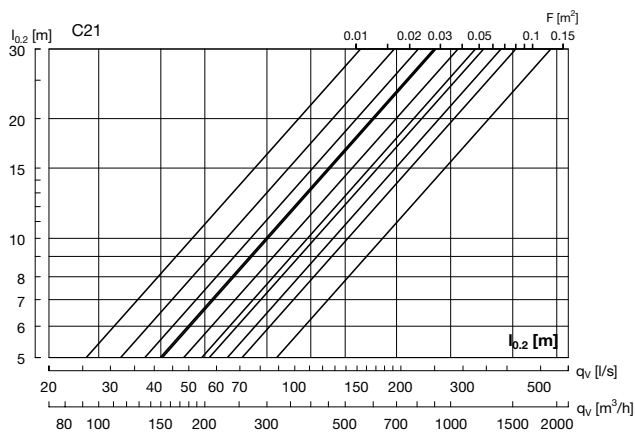
Capacity

Volume flow q_v [l/s] and [m³/h], total pressure loss Δp_t [Pa], throw $l_{0,2}$ [m] and sound level L_{WA} [dB(A)] can be seen in the diagrams.

Throw $l_{0,2}$

Throw $l_{0,2}$ [m] at an average speed of 0.2 m/s, 0° bar setting without ceiling effect (distance from diffuser to grille over 800 mm) can be seen in the diagrams. Correction for dispersal - see table below.

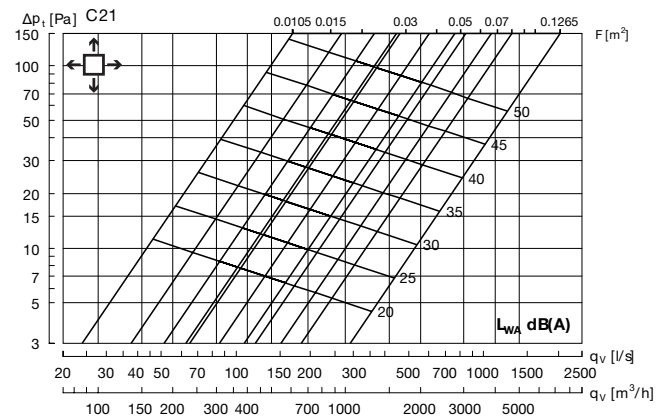
Bar setting	45°	90°
Correction factor	0,8	0,5



Sound level L_{WA}

Sound effect level L_{WA} [dB(A)] at 0° bar setting can be seen in the diagrams. The sound levels apply for grilles without volume regulator. See the table below for correction of sound level for dispersal [dB].

Bar setting	45°	90°
Correction factor	+3	+10



Frequency-related sound effect level

The sound effect level in the frequency band is defined as $L_{WA} + K_{ok}$. K_{ok} values are given in chart. See table below.

	Centre frequency Hz							
	63	125	250	500	1K	2K	4K	8K
Supply air	1	-4	-2	0	-6	-10	-14	-19

Volume regulator

Correction of total pressure p_t [Pa] and sound effect level L_{WA} [dB(A)] with volume regulator. See table below.

Supply air	Open	45°	Closed
Pressure [Pa]	x1,3	x3	x18
Sound power level dB(A)	+5	+12	+37