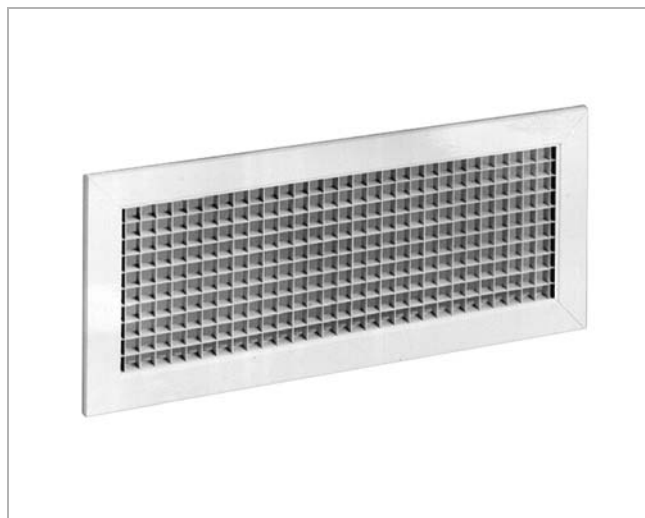


Ventilation grille

F20



Description

F20 is a rectangular aluminium grille with square grids. F20 is particularly suitable for air exhaust. F20 is supplied as standard with springs for installation in plenum boxes type VBA, WB or mounting frame type GGR. F20 can also be used with volume regulator GAT.

Maintenance

The grille should be removed to gain access to the plenum box or duct. The external parts should be wiped with a damp cloth.

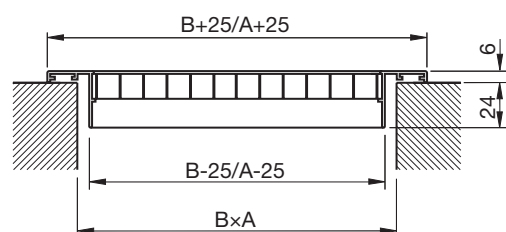
Accessories

Pressure distribution box: VBA, WB
 Mounting frame: GGR
 Volume regulator: GAT

Order code

Product	F20	aaa	bbb
Type			
A - measure			
B - measure			

Dimensions



A x B mm	Free area F(m ²)	Weight kg
200 x 100	0,0111	0,2
300 x 100	0,0144	0,3
400 x 100	0,0240	0,3
500 x 100	0,0301	0,4
300 x 150	0,0292	0,3
400 x 150	0,0398	0,4
500 x 150	0,0504	0,5
600 x 150	0,0610	0,6
400 x 200	0,0557	0,5
500 x 200	0,0706	0,6
600 x 200	0,0854	0,7

For other sizes and types, see special grille F.

Materials and finish

Grille: Aluminium
 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.

Special grille

F



Description

Type F special grilles are a range of aluminium grilles with square grids for air exhaust. The grille can be configured on the basis of the summary. As part of the configuration you can select type of mount 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

Product	F	a	b	ccc	ddd
Type					
Mounting					
Accessories					
A - measure					
B - measure					

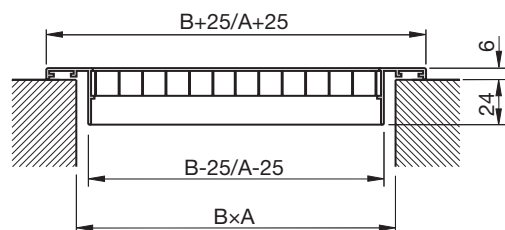
A x B: Duct/cutout
 A dimension: along the bars
 B dimension: across the bars
 Can be supplied in other dimensions.

Max. A x B = 1200 x 1200
 Min. A x B = 100 x 60
 Free area F [m²] = (A-25) x (B-25) x 0.85 x 10⁻⁶

Mounting frame and volume regulator - see GGR/GAT.

Mounting

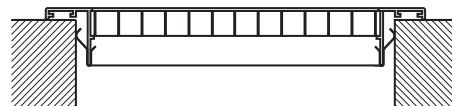
0. Not prepared for installation



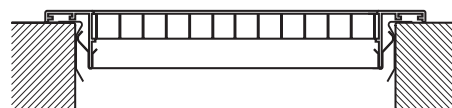
1. With screw holes



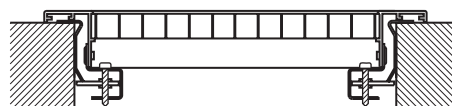
2. With springs only for installation in box



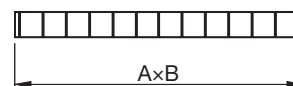
3. With springs and mounting frame



8. With concealed screw fitting and mounting frame

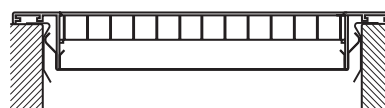


9. Loose grid

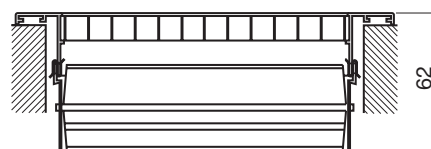


Accessories

0. Without accessories



2. With volume regulator



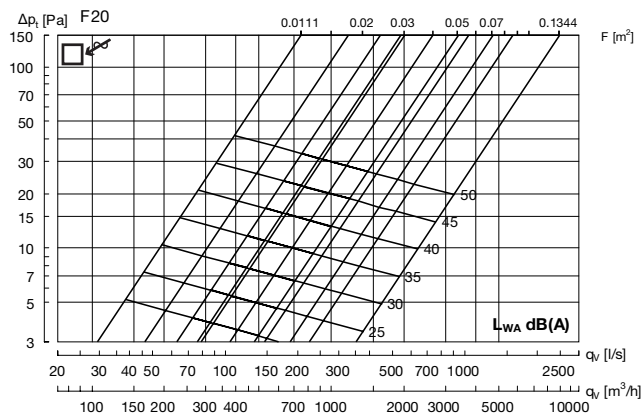
Ventilation grille/Special grille

F20/F

Technical data

Capacity

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



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
K _{ok}	-7	-12	-9	-5	-3	-6	-17	-23

Volume regulator

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

	Open	45°	Closed
Pressure [Pa]	× 1,3	× 3	× 15
Sound power level [L_{WA} dB(A)]	+5	+12	+35