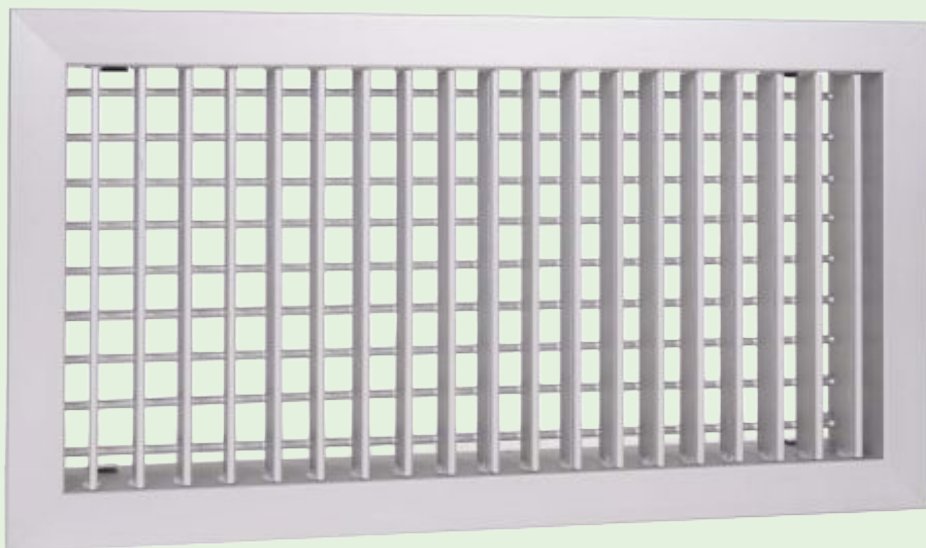




EBA

Supply air jet with 1 or 2 rows of individually adjustable blades

Technical data sheet

Rev.03



Description

Supply air jet with 1 or 2 rows of aluminium individually adjustable blades, pitch 20 mm.

Features

- Material: aluminium
- Finish: natural anodised
- Installation: clip fastening
- Dimensions achievable in one piece:
 - min. base 100 mm x height 100 mm
 - max. with base from 100 mm to 1000 mm x height 1000 mm
 - max. with base from >1000 mm to 2000 mm x height 600mm

Use

For air supply with wall or duct installation in ventilation and air conditioning systems.

Models

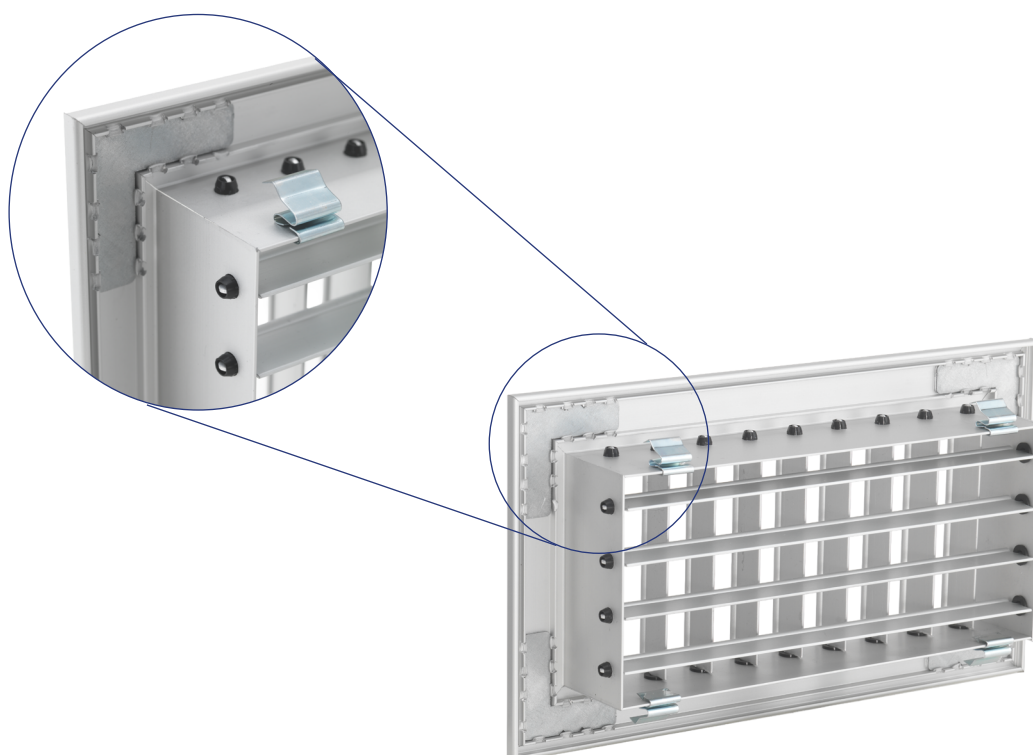
- EBA-VO with 2 rows of vertical and horizontal blades;
- EBA-OV with 2 rows of horizontal and vertical blades;
- EBA-V with 1 row of vertical blades;
- EBA-O with 1 row of horizontal blades.

Accessories

- EPZ – Galvanised Plenum Box;
- EPI – Insulated Plenum Box;
- SC – Galvanised steel regulation damper with blades with opposing movement;
- CT – Galvanised steel counter-frame to set into wall

On request

- White RAL 9016 painting or other RAL colours.
- Holes on frame for installation with screws
- Powder coating bushings

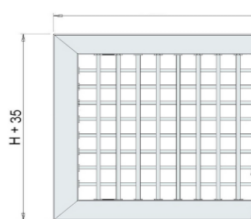
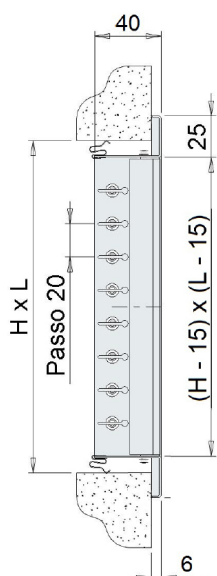


Dimensions LxH mm	Effective section m ²	Vk 2,2 (m/s)		Vk 3,5 (m/s)	
		Air flow m ³ /h	L1 m	Air flow m ³ /h	L1 m
200x100	0,013	100	3	160	5
300x100	0,018	140	3,7	230	5,6
400x100	0,025	200	4,5	320	6,8
500x100	0,033	260	6	420	8
600x100	0,042	335	6,8	500	9
700x100	0,053	420	7,7	667	11,9
200x150	0,02	160	3,6	240	5,4
300x150	0,029	230	4,1	370	7
400x150	0,039	310	4,3	500	8
500x150	0,051	400	5	640	9
600x150	0,059	470	5,8	750	9,5
700x150	0,078	617	8,9	982	13,9
800x150	0,086	682	6	1083	11
200x200	0,026	200	4	300	6
300x200	0,044	350	5,8	550	8
400x200	0,057	450	6,5	720	9
500x200	0,071	560	7,5	900	10
600x200	0,086	682	10	1080	11
700x200	0,1	792	10,2	1260	12
800x200	0,115	910	10,3	1450	13
1000x200	0,145	1150	10	1830	15,6
300x300	0,058	460	5,8	730	9
400x300	0,085	670	6,8	1070	10
500x300	0,11	870	8,1	1380	12
600x300	0,136	1080	9,6	1730	15
700x300	0,158	1250	10	1990	15,5
800x300	0,178	1410	10,5	2250	16
1000x300	0,226	1790	13	2860	18
400x400	0,115	910	8	1430	12
600x400	0,18	1430	11	2290	17
700x400	0,21	1660	11,5	2645	17,5
800x400	0,245	1940	12	3080	18
1000x400	0,31	2460	16	3940	20
deflection 0°	noise level	dB(A)	15/20	20/25	
	pressure drops	Pa	4	9	
deflection 20°	noise level	dB(A)	18/23	23/28	
	pressure drops	Pa	5,5	13	
deflection 40°	noise level	dB(A)	20/25	25/30	
	pressure drops	Pa	7	16	

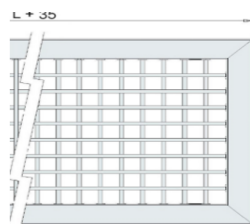
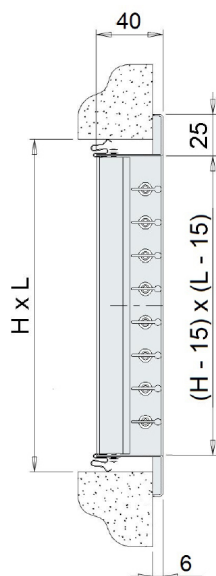
Vk: effective speed (m/s)

L1 (m): air throw of air jet without damper, with a blade deflection of 0°, with coanda (ceiling) effect, terminal velocity 0.25 m/s and Tmax 15°C.

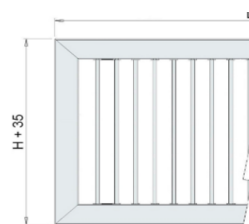
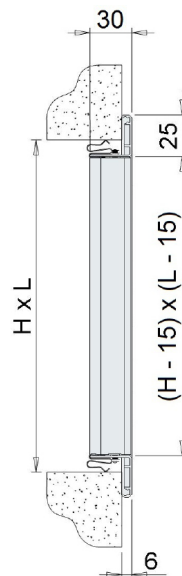
EBA/VO



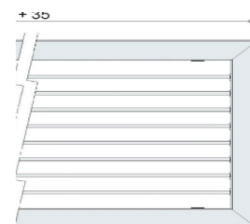
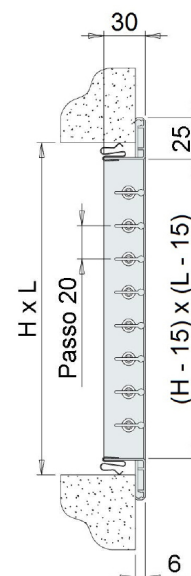
EBA/OV



EBA/V

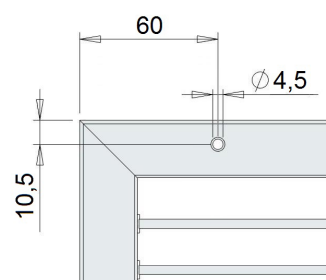


EBA/O

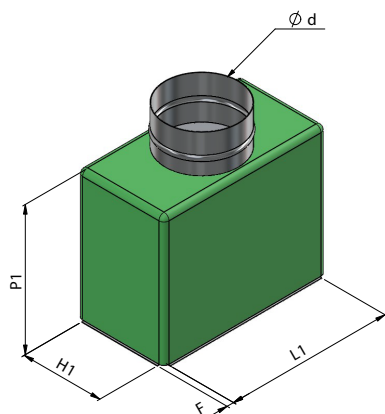


Screw Fixing Holes (Optional)

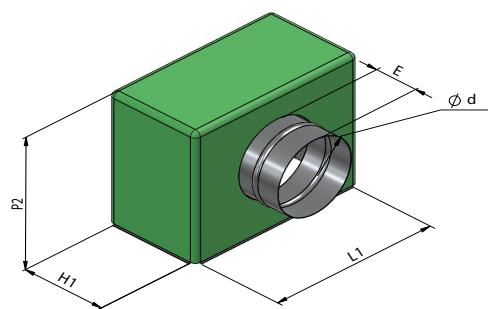
Upon request, the grilles can be supplied with $\varnothing 4.5$ mm fixing holes, pre-drilled in the frame according to the specified dimensions, allowing quick, secure, and stable installation using screws.



PLENUM DIMENSIONS



TOP CONNECTION



LATERAL CONNECTION

Galvanized steel plenum, available either without insulation or with external expanded polyethylene insulation to ensure improved thermal performance.

Model LxH	Top connection			Lateral connection			E	F
	P1	Nr connections	Ø d	P2	Nr connections	Ø d		
200x100	200	1	98	200	1	98	80	12
300x100	200	1	98	200	1	98	80	12
400x100	200	2	98	200	2	98	80	12
500x100	200	2	98	200	2	98	80	12
600x100	200	2	98	200	2	98	80	12
700x100	200	2	98	200	2	98	80	12
200x150	200	1	148	200	1	148	80	12
300x150	200	1	148	250	1	148	80	12
400x150	200	1	148	250	1	148	80	12
500x150	200	2	148	250	2	148	80	12
600x150	200	2	148	250	2	148	80	12
700x150	200	2	148	250	2	148	80	12
800x150	200	2	148	250	2	148	80	12
200x200	200	1	198	300	1	198	80	12
300x200	200	1	198	300	1	198	80	12
400x200	200	1	198	300	1	198	80	12
500x200	200	1	198	300	1	198	80	12
600x200	200	2	198	300	2	198	80	12
700x200	200	2	198	300	2	198	80	12
800x200	200	2	198	300	2	198	80	12
1000x200	200	2	198	300	2	198	80	12
300x300	200	1	248	350	1	248	80	12
400x300	200	1	248	350	1	248	80	12
500x300	200	1	248	350	1	248	80	12
600x300	200	2	198	350	2	248	80	12

800x300	200	2	248	350	2	248	80	12
1000x300	200	2	248	350	2	248	80	12
400x400	200	1	298	350	1	298	80	12
600x400	200	2	198	350	2	248	80	12
800x400	200	2	298	350	2	298	80	12
700x400	200	2	298	350	2	298	80	12
1000x400	200	2	298	400	2	298	80	12

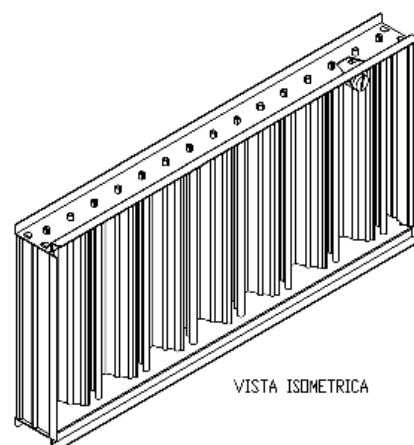
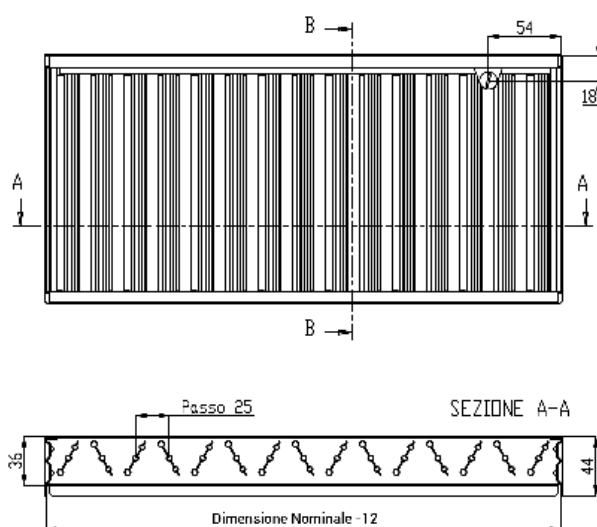
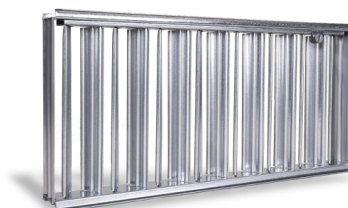
SC

Volume damper

Galvanized steel opposed-blade balancing damper, suitable for air diffusers and grilles. Maximum one-piece construction dimensions (L x H): 1000 x 600 mm.

It allows the airflow supplied through the diffuser to be reduced, ensuring accurate airflow balancing.

The damper is attached to the diffuser using the clips supplied with the diffuser.

**CT**

Mounting-frame

40 mm thick galvanised steel counter-frames for air jets and grilles.

The counter-frames are equipped with special brackets that are bent during installation to anchor them to the walls.

The counter-frames are used to increase the strength and stability of the mounting surface for supply air diffusers and return air grilles. Their installation is recommended when the diffusers and grilles are expected to be periodically removed for maintenance purposes, such as duct cleaning and inspections.

The subframes can be installed on masonry walls, plasterboard walls, or directly onto rectangular air ducts.

They are secured using foldable tabs located on the subframe. These tabs are bent during installation, providing a strong and secure attachment to the bonding material, duct walls, or plasterboard.



CODE NOMENCLATURE

How to order

EBA	VO	400	200
↓	↓	↓	↓
EBA Supply air jet with aluminium individually adjustable blades, pitch 20 mm	VO: with 2 rows of individually adjustable blades, the first vertical row near the front and the second horizontal row inside the air jet; OV: with 2 rows of individually adjustable blades, the first horizontal row near the front and the second vertical row inside the air jet; V: with 1 row of vertical blades O: with 1 row of horizontal blades.	Width L (mm) 400 500 600 800 1000	Height H (mm) 100 150 200 300 400



Head quarter

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ISO 9001
ISO 50001
ISO 45001
ISO 14001

Certified Management System