

EBIA Industrial aluminium grilles 40 mm pitch



Description

Aluminium air jets with industrial pitch for high air flow rates and low pressure drops.

Characteristics

Material: aluminium.

Finish: natural anodised.

Installation: fastening by means of front screws. For greater flexibility of installation, the air jets are supplied without screw holes.

Maximum dimensions: 1600 mm x 1600 mm.

Use

Recommended for large rooms where high air flow rates and long air throw are required, for example industrial buildings, churches and hypermarkets.

Models

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

Example: the VO version has the first vertical row near the front and the second horizontal row inside the air jet.

Accessories

- CTP - Counter-frame to set into wall.

On request

Painting in different RAL colours.

Dimensions

Technical Drawing			
EBIA-VO	EBIA-OV	EBIA-V	EBIA-O

Operating Data

- V_k : effective speed (m/s).
- m^3/h : flow rate.
- Pa : pressure drops in Pascal.
- $L1$ (m): air throw in metres calculated on ceiling installation, terminal velocity 0.25 m/s.
- $dB(A)$: noise level.

All dimensions are expressed in mm.

Dimensions LxH	Effective Section	m^3/h	L1	m^3/h	L1	m^3/h	L1
	m^2						
500x200	0,075	810	11,5	1080	14,6	1350	19,5
600x200	0,090	972	13	1296	16	1620	22
700x200	0,105	1134	13,5	1512	18	1890	23
800x200	0,120	1296	14	1728	19	2160	24
1000x200	0,150	1620	16,5	2160	21	2700	25
500x300	0,120	1296	14	1728	18,1	2160	23
600x300	0,145	1566	16,2	2088	20,8	2610	25
700x300	0,170	1836	18,6	2448	23	3060	28
800x300	0,195	2106	20,8	2808	25	2564	30
1000x300	0,245	2646	23	3528	28	4410	35
1200x300	0,290	3132	24,8	4176	29,5	5220	36
1500x300	0,360	3888	26,6	5184	31	6480	37,5
600x400	0,200	1260	20,5	2880	25,8	3600	29
700x400	0,230	2484	23	3312	26,2	4140	32
800x400	0,260	2808	25,5	3744	30	4680	35
1000x400	0,330	3564	27,2	4752	33	5940	39
1200x400	0,410	4428	28,4	5900	34,8	7380	40,2
1500x400	0,510	5500	31,2	7350	37,7	9180	42
600x500	0,260	2808	21	3744	29	4680	36
700x500	0,300	3240	24	4320	31	5400	38
800x500	0,340	3672	27	4896	33	6120	39,5
1000x500	0,420	4536	29,5	6048	36	7560	41
1200x500	0,510	4536	31,2	7350	37,7	9180	42
1500x500	0,630	5500	32	9072	38,5	11340	43,2
600x600	0,310	6805	23,6	4464	30,1	5580	37,2
800x600	0,420	3348	28	6048	35	7560	40
1000x600	0,520	5637	32	7516	37	9396	47
1200x600	0,630	6804	33	9072	42	11340	49
1500x600	0,750	8100	34,8	10800	44	13500	50,6
Vk (m/s)		3		4		5	

Noise Level dB(A)

V m/s	Deflection 0°	Deflection 20°	Deflection 40°
3	25/30	28/33	30/35
4	30/35	33/38	35/40
5	35/40	38/43	40/45

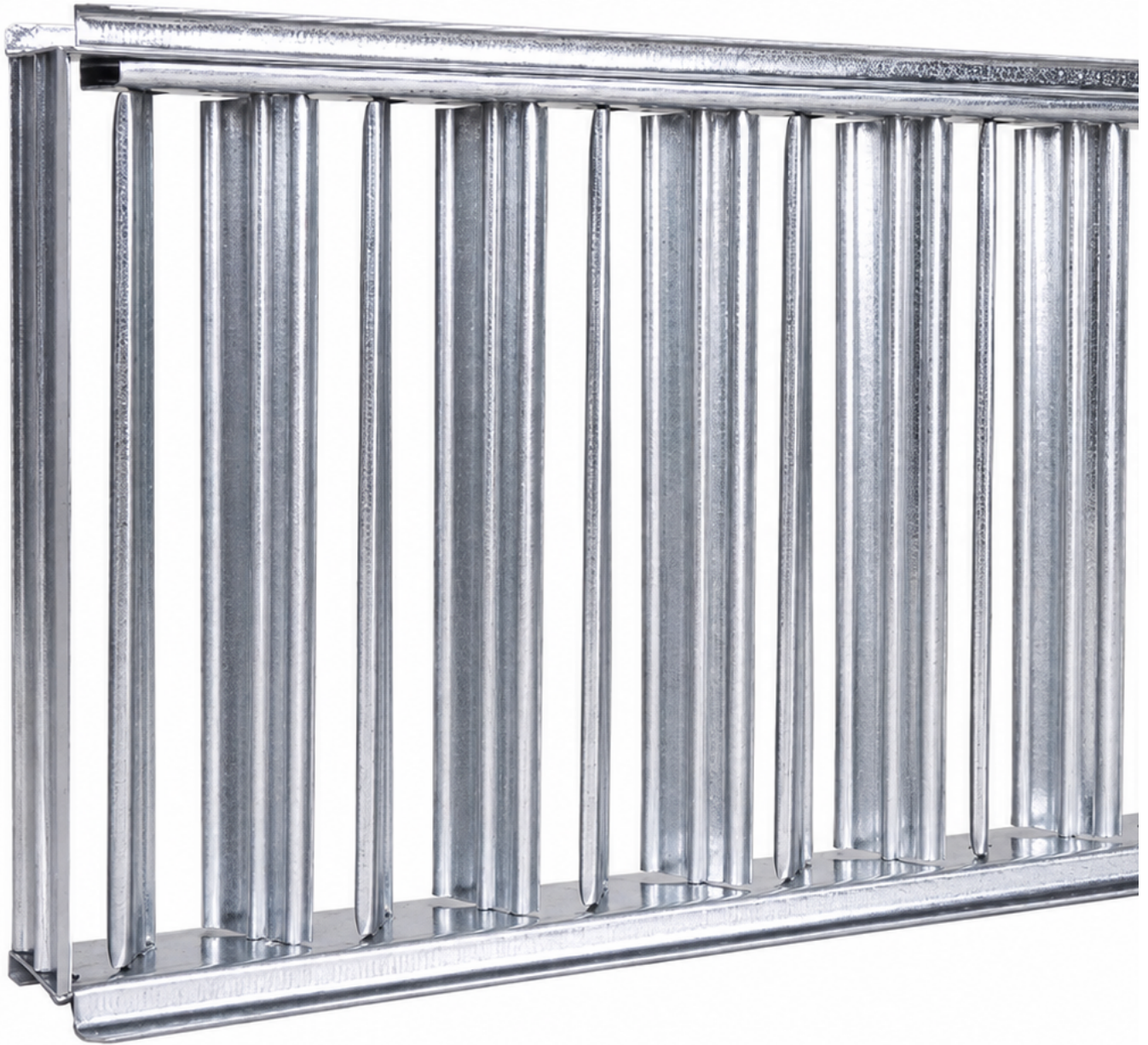
Pressure Drop (Pa)

V m/s	Deflection 0°	Deflection 20°	Deflection 40°
3	5	7	10
4	10	13	18
5	15	21	33

Accessories

SCI - Volume Damper

This accessory 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. Opposed-blade balancing damper manufactured from galvanized steel. Maximum one-piece construction dimensions (L x H): 1000 x 600 mm.



Price List

Dimensions	EBIA-VO	EBIA-OV	EBIA-O	EBIA-V	CTP
LxH	Eur	Eur	Eur	Eur	Eur
500x200	-	-	-	-	-
600x200	-	-	-	-	-
700x200	-	-	-	-	-
800x200	-	-	-	-	-
1000x200	-	-	-	-	-
500x300	-	-	-	-	-
600x300	-	-	-	-	-
700x300	-	-	-	-	-
800x300	-	-	-	-	-
1000x300	-	-	-	-	-
1200x300	-	-	-	-	-
1500x300	-	-	-	-	-
600x400	-	-	-	-	-
700x400	-	-	-	-	-
800x400	-	-	-	-	-

All dimensions are expressed in mm.

Dimensions	EBIA-VO	EBIA-OV	EBIA-O	EBIA-V	CTP
LxH	Eur	Eur	Eur	Eur	Eur
1000x400	-	-	-	-	-
1200x400	-	-	-	-	-
1500x400	-	-	-	-	-
600x500	-	-	-	-	-
700x500	-	-	-	-	-
800x500	-	-	-	-	-
1000x500	-	-	-	-	-
1200x500	-	-	-	-	-
1500x500	-	-	-	-	-
600x600	-	-	-	-	-
800x600	-	-	-	-	-
1000x600	-	-	-	-	-
1200x600	-	-	-	-	-
1500x600	-	-	-	-	-