

EBA Supply aluminium grilles 20 mm pitch



Description

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

Characteristics

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 m;
- 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.

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

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.

Dimensions

Technical Drawing			
EBA-VO	EBA-OV	EBA-V	EBA-O

Cut-Out Dimensions (Optional)

Screw Fixing Holes (Optional).	Technical Drawing
Upon request, the grilles can be supplied with Ø4.5 mm fixing holes, pre-drilled in the frame according to the specified dimensions, allowing quick, secure, and stable installation using screws.	

Operating Data

- Vk: effective speed (m/s).
- m³/h: flow rate.
- Pa: pressure drops in Pascal.
- 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.
- dB(A): noise level.

All dimensions are expressed in mm.

Dimensions LxH	Effective Section	m³/h	L1	m³/h	L1	Dimensions LxH	Effective Section	m³/h	L1	m³/h	L1
	m²						m²				
200x100	0,013	100	3	160	5	500x200	0,071	560	7.5	900	10
300x100	0,018	140	3.7	230	5.6	600x200	0,086	682	10	1080	11
400x100	0,025	200	4.5	320	6,8	700x200	0,100	792	10,2	1260	12
500x100	0,033	260	6	420	8	800x200	0,115	910	10.3	1450	13
600x100	0,042	335	6.8	500	9	1000x200	0,145	1150	10	1830	15.6
700x100	0,053	420	7.7	667	11,9	300x300	0,058	460	5.8	730	9
200x150	0,020	160	3.6	240	5.4	400x300	0,085	670	6.8	1070	10
300x150	0,029	230	4.1	370	7	500x300	0,110	870	8.1	1380	12
400x150	0,039	310	4.3	500	8	600x300	0,136	1080	9.6	1730	15
500x150	0,051	400	5	640	9	700x300	0,158	1250	10	1990	15,5
600x150	0,059	470	5.8	750	9.5	800x300	0,178	1410	10.5	2250	16
700x150	0,078	617	8,9	982	13,9	1000x300	0,226	1790	13	2860	18
800x150	0,086	682	6	1083	11	400x400	0,115	910	8	1430	12
200x200	0,026	200	4	300	6	600x400	0,180	1430	11	2290	17
300x200	0,044	350	5.8	550	8	700x400	0,210	1660	11,5	2645	17,5
400x200	0,057	450	6.5	720	9	800x400	0,245	1940	12	3080	18
						1000x400	0,310	2460	16	3940	20
Vk (m/s)		2,2		3,5		Vk (m/s)		2,2		3,5	

Noise Level dB(A)

Vk m/s	Deflection 0°	Deflection 20°	Deflection 40°
	dB(A)	dB(A)	dB(A)
2.2	15/20	18/23	20/25
3.5	20/25	23/28	25/30

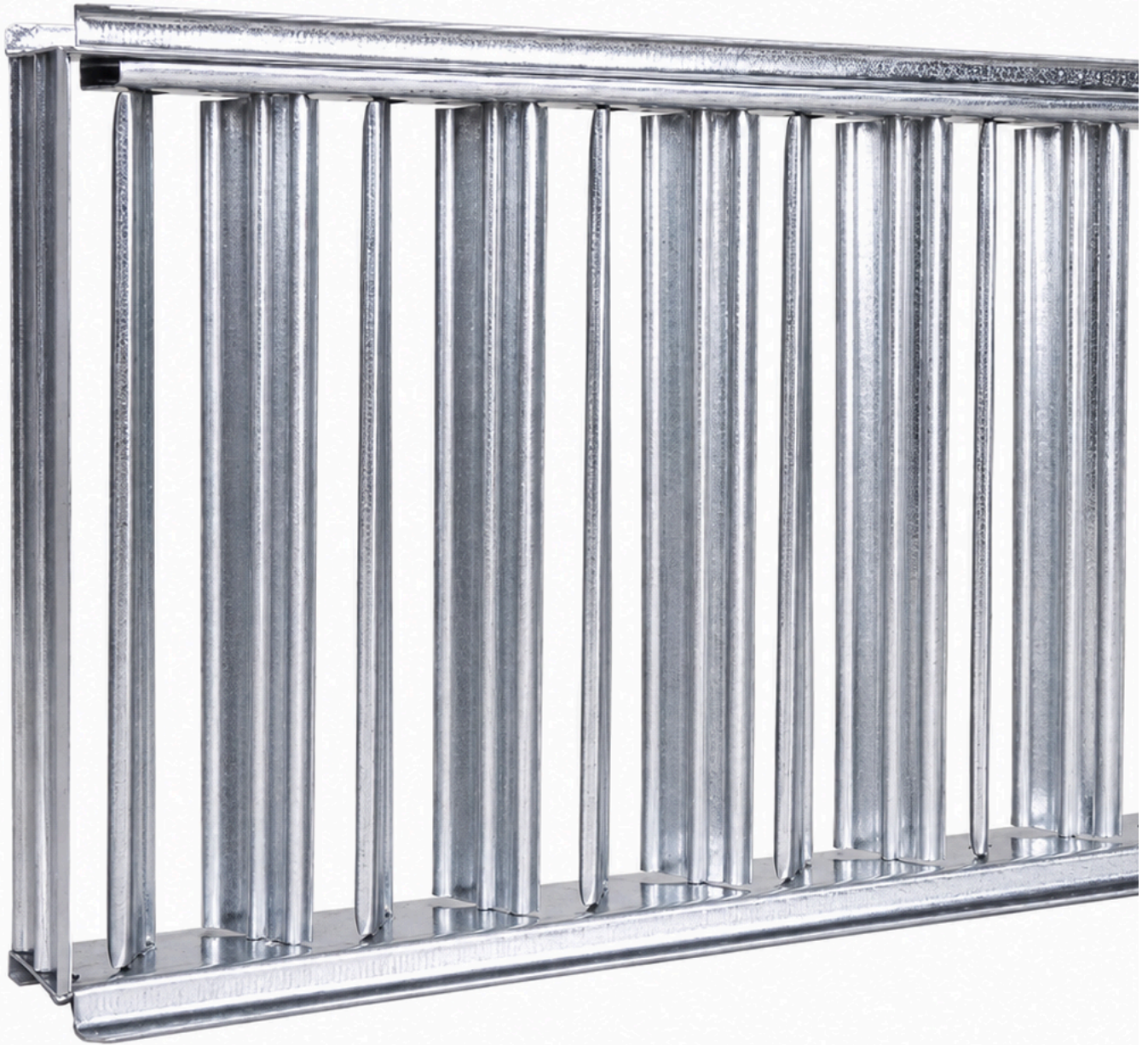
Pressure Drop (Pa)

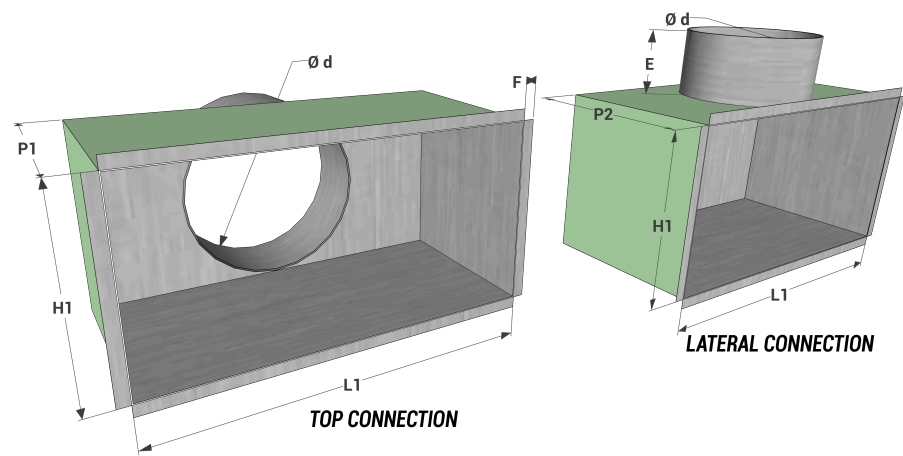
Vk m/s	Deflection 0°	Deflection 20°	Deflection 40°
	Pa	Pa	Pa
2.2	4	5.5	7
3.5	9	13	16

Accessories

SC - 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.





Models L1 x H1	Top Connection			Lateral Connection			E	F	Models L1 x H1	Top Connection			Lateral Connection			E	F
	P1	Nr. Connections	Ø d	P2	Nr. Connections	Ø d				P1	Nr. Connections	Ø d	P2	Nr. Connections	Ø d		
200x100	200	1	98	200	1	98	80	12	500x200	200	1	198	300	1	198	80	12
300x100	200	1	98	200	1	98	80	12	600x200	200	2	198	300	2	198	80	12
400x100	200	2	98	200	2	98	80	12	700x200	200	2	198	300	2	198	80	12
500x100	200	2	98	200	2	98	80	12	800x200	200	2	198	300	2	198	80	12
600x100	200	2	98	200	2	98	80	12	1000x200	200	2	198	300	2	198	80	12
700x100	200	2	98	200	2	98	80	12	300x300	200	1	248	350	1	248	80	12
200x150	200	1	148	200	1	148	80	12	400x300	200	1	248	350	1	248	80	12
300x150	200	1	148	250	1	148	80	12	500x300	200	1	248	350	1	248	80	12
400x150	200	1	148	250	1	148	80	12	600x300	200	2	198	350	2	248	80	12
500x150	200	2	148	250	2	148	80	12	700x300	200	2	198	350	2	248	80	12
600x150	200	2	148	250	2	148	80	12	800x300	200	2	248	350	2	248	80	12
700x150	200	2	148	250	2	148	80	12	1000x300	200	2	248	350	2	248	80	12
800x150	200	2	148	250	2	148	80	12	400x400	200	1	298	350	1	298	80	12
200x200	200	1	198	300	1	198	80	12	600x400	200	2	198	350	2	248	80	12
300x200	200	1	198	300	1	198	80	12	800x400	200	2	298	350	2	298	80	12
400x200	200	1	198	300	1	198	80	12	700x400	200	2	298	350	2	298	80	12
									1000x400	200	2	298	400	2	298	80	12

Price List

Note: white painted RAL9016 + 20 %.

Dimensions	EBA-VO	EBA-OV	EBA-O	EBA-V
LxH	Eur	Eur	Eur	Eur
200x100	22,74	22,74	20,92	20,92
300x100	26,32	26,32	23,65	23,65
400x100	33,65	33,65	27,23	27,23
500x100	37,85	37,85	31,54	31,54
600x100	42,01	42,01	35,03	35,03
700x100	50,49	50,49	38,01	38,01
200x150	25,66	25,66	23,84	23,84
300x150	29,72	29,72	27,26	27,26
400x150	43,47	43,47	31,82	31,82
500x150	50,00	50,00	36,37	36,37
600x150	58,19	58,19	40,93	40,93
700x150	66,39	66,39	43,20	43,20
800x150	74,58	74,58	45,46	45,46
200x200	33,65	33,65	27,23	27,23
300x200	43,47	43,47	31,82	31,82
400x200	49,09	49,09	37,28	37,28
500x200	59,11	59,11	41,84	41,84
600x200	70,03	70,03	46,37	46,37
700x200	78,22	78,22	50,48	50,48

Dimensions expressed in mm.

Dimensions	EBA-VO	EBA-OV	EBA-O	EBA-V
LxH	Eur	Eur	Eur	Eur
800x200	86,40	86,40	54,59	54,59
1000x200	93,68	93,68	59,11	59,11
300x300	58,19	58,19	40,93	40,93
400x300	70,03	70,03	46,37	46,37
500x300	75,48	75,48	55,47	55,47
600x300	88,24	88,24	60,93	60,93
700x300	97,33	97,33	67,29	67,29
800x300	106,40	106,40	73,67	73,67
1000x300	126,41	126,41	90,04	90,04
400x400	86,40	86,40	54,59	54,59
600x400	106,40	106,40	72,79	72,79
700x400	120,95	120,95	83,70	83,70
800x400	135,49	135,49	93,68	93,68
1000x400	150,05	150,05	110,04	110,04

Accessories

Dimensions	Top Connection		Lateral Connection		SC - Volume Damper	CT - Mounting-frame
	EPZ - Plenum Box	EPI - Insulated Plenum Box	EPZ - Plenum Box	EPI - Insulated Plenum Box		
L1 x H1	Eur	Eur	Eur	Eur	Eur	Eur
200x100	31,29	43,48	31,29	43,48	14,15	15,12
300x100	33,85	46,96	33,85	46,96	15,41	15,12
400x100	44,84	59,19	44,84	59,19	18,44	16,79
500x100	47,43	62,67	47,43	62,67	22,01	18,47
600x100	50,03	66,14	50,03	66,14	25,18	20,19
700x100	52,63	71,02	52,63	71,02	28,41	O.R.
200x150	33,42	46,20	33,42	46,20	15,61	15,12
300x150	35,77	49,96	38,37	52,83	18,06	16,79
400x150	39,08	53,83	41,64	57,27	21,28	18,47
500x150	41,92	66,30	53,35	70,38	24,64	22,16
600x150	53,11	70,06	56,63	74,78	28,08	24,19
700x150	67,14	87,25	71,09	92,68	32,02	O.R.
800x150	69,98	89,28	74,38	95,24	35,96	27,59
200x200	35,61	48,96	39,36	54,00	17,10	16,79
300x200	38,65	53,03	43,37	59,35	23,98	18,47
400x200	41,72	57,15	47,32	64,67	26,32	21,35
500x200	44,76	61,27	51,31	69,98	30,92	24,19
600x200	62,39	81,21	74,86	95,68	35,62	25,91
700x200	70,46	91,60	78,85	103,07	39,63	O.R.

Dimensions	Top Connection		Lateral Connection		SC - Volume Damper	CT - Mounting-frame
	EPZ - Plenum Box	EPI - Insulated Plenum Box	EPZ - Plenum Box	EPI - Insulated Plenum Box		
L1xH1	Eur	Eur	Eur	Eur	Eur	Eur
800x200	73,54	93,88	82,80	106,39	43,65	31,31
1000x200	79,65	102,12	79,65	117,02	48,71	34,92
300x300	42,85	58,39	51,24	69,74	29,76	22,16
400x300	57,55	74,78	67,34	87,92	36,84	25,91
500x300	61,07	79,49	72,22	94,52	40,56	29,57
600x300	72,30	92,24	80,69	103,51	44,34	31,31
700x300	75,82	98,96	89,76	118,02	49,06	O.R.
800x300	88,37	116,90	103,71	137,48	53,79	36,97
1000x300	95,40	126,33	113,51	150,59	64,85	42,05
400x400	62,15	80,81	77,05	100,84	42,19	29,57
600x400	85,60	113,34	94,88	125,85	54,78	36,97
700x400	90,89	122,49	106,18	143,48	60,91	O.R.
800x400	103,23	134,13	119,93	156,51	67,03	42,05
1000x400	122,38	159,31	148,36	194,16	79,54	47,69