

EBCV Supply air grilles for circular ducts



Description

Supply air jets with 1 or 2 rows of individually adjustable blades. The special frame ensures the perfect adherence of the air jet to the circular duct.

Characteristics:

Material: steel Finish: galvanised Installation: on circular duct with screws.

Use

For air supply with installation directly on circular ducts in ventilation and air conditioning systems.

Models

- EBCV-V with 1 row of vertical blades;
- EBCV-VO with 2 rows of vertical and horizontal blades.

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

Accessories

- SCB - Regulation damper with blades with opposing movement.

On request

RAL9016 painting or other RAL colours.

Dimensions

Technical Drawing		
EBCV-VO	EBCV-V	Fori per viti

Operating Data

- V_k : effective speed (m/s).
- m^3/h : flow rate.
- P_a : pressure drops in Pascal.
- L_1 (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 T_{max} 15°C.
- $dB(A)$: noise level.

All dimensions are expressed in mm.

When ordering, indicate the diameter of the duct where the air jet will be installed.

Dimensions LxH	Duct Diameter	Effective Section	m^3/h	L_1	m^3/h	L_1
		m^2				
300x100	250 - 300 - 350 - 400	0,018	140	3,7	230	5,6
400x100	250 - 300 - 350 - 400	0,025	200	4,5	320	6,8
500x100	250 - 300 - 350 - 400	0,033	260	6	420	8
400x150	250 - 300 - 350 - 400 - 500 - 600 - 700	0,039	310	4,3	500	8
500x150	250 - 300 - 350 - 400 - 500 - 600 - 700	0,051	400	5	640	9
600x150	250 - 300 - 350 - 400 - 500 - 600 - 700	0,059	470	5,8	750	9,5
400x200	350 - 400 - 500 - 600 - 700	0,057	450	6,5	720	9
500x200	350 - 400 - 500 - 600 - 700	0,071	560	7,5	900	10
600x200	350 - 400 - 500 - 600 - 700	0,086	680	10	1080	11
800x200	350 - 400 - 500 - 600 - 700	0,115	910	10,3	1450	13
600x300	600 - 700	0,136	1080	9,6	1730	15
800x300	600 - 700	0,178	1410	10,5	2250	16
V_k (m/s)			2,2		3,5	

Noise Level dB(A)

V_k 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)

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



Price List

- Notes:
- with SCB damper installed + 5% of the price of the damper.

Dimensions	Duct	EBCV-O	EBCV-V	EBCV-VO	SCB
LxH	mm	Eur	Eur	Eur	Eur
300x100	160	--	29,29	38,49	15,41
	200	--	29,29	38,49	
	250	29,29	29,29	38,49	
	300	29,29	29,29	38,49	
	350	29,29	29,29	38,49	
	400	29,29	29,29	38,49	
400x100	160	--	32,35	46,73	18,44
	200	--	32,35	46,73	
	250	32,35	32,35	46,73	
	300	32,35	32,35	46,73	
	350	32,35	32,35	46,73	
	400	32,35	32,35	46,73	
500x100	160	--	43,11	55,12	22,01
	200	--	43,11	55,12	
	250	43,11	43,11	55,12	
	300	43,11	43,11	55,12	
	350	43,11	43,11	55,12	
	400	43,11	43,11	55,12	
400x150	250	41,97	41,97	56,32	21,28
	300	41,97	41,97	56,32	
	350	41,97	41,97	56,32	
	400	41,97	41,97	56,32	
	500	41,97	41,97	56,32	
	600	41,97	41,97	56,32	
	700	41,97	41,97	56,32	
500x150	250	44,34	44,34	66,96	24,64
	300	44,34	44,34	66,96	
	350	44,34	44,34	66,96	
	400	44,34	44,34	66,96	
	500	44,34	44,34	66,96	
	600	44,34	44,34	66,96	
	700	44,34	44,34	66,96	

Notes:

- with SCB damper installed + 5% of the price of the damper.

Dimensions	Duct	EBCV-O	EBCV-V	EBCV-VO	SCB
LxH	mm	Eur	Eur	Eur	Eur
600x150	250	49,09	49,09	71,87	28,08
	300	49,09	49,09	71,87	
	350	49,09	49,09	71,87	
	400	49,09	49,09	71,87	
	500	49,09	49,09	71,87	
	600	49,09	49,09	71,87	
	700	49,09	49,09	71,87	
400x200	350	46,73	46,73	62,30	26,32
	400	46,73	46,73	62,30	
	500	46,73	46,73	62,30	
	600	46,73	46,73	62,30	
	700	46,73	46,73	62,30	
500x200	350	51,53	51,53	69,52	30,92
	400	51,53	51,53	69,52	
	500	51,53	51,53	69,52	
	600	51,53	51,53	69,52	
	700	51,53	51,53	69,52	
600x200	350	58,71	58,71	82,68	35,62
	400	58,71	58,71	82,68	
	500	58,71	58,71	82,68	
	600	58,71	58,71	82,68	
	700	58,71	58,71	82,68	
800x200	350	64,11	64,11	100,77	43,65
	400	64,11	64,11	100,77	
	500	64,11	64,11	100,77	
	600	64,11	64,11	100,77	
	700	64,11	64,11	100,77	
600x300	600	88,07	88,07	123,97	44,34
	700	88,07	88,07	123,97	
800x300	600	96,15	106,84	151,16	53,79
	700	96,15	106,84	151,16	