

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°	Deflection20°	Deflection40°
	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°	Deflection20°	Deflection40°
	Pa	Pa	Pa
2.2	4	5.5	7
3.5	9	13	16



Price List

- Painting:
- Gloss RAL 9016: +20%.
 - Gloss RAL 7035, 9006, 9003, 9005: +30%.
 - Other RAL colors: price on request.

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

Dimensions	Duct	EBCV-V	EBCV-VO	SCB
LxH	mm	€	€	€
300x100	250	-	-	-
	300	-	-	
	350	-	-	
	400	-	-	
400x100	250	-	-	-
	300	-	-	
	350	-	-	
	400	-	-	
500x100	250	-	-	-
	300	-	-	
	350	-	-	
	400	-	-	
400x150	250	-	-	-
	300	-	-	
	350	-	-	
	400	-	-	
	500	-	-	
	600	-	-	
	700	-	-	
500x150	250	-	-	-
	300	-	-	
	350	-	-	
	400	-	-	
	500	-	-	
	600	-	-	
	700	-	-	

Notes:

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

Dimensions	Duct	EBCV-V	EBCV-VO	SCB
LxH	mm	€	€	€
600x150	250	-	-	-
	300	-	-	
	350	-	-	
	400	-	-	
	500	-	-	
	600	-	-	
	700	-	-	
400x200	350	-	-	-
	400	-	-	
	500	-	-	
	600	-	-	
	700	-	-	
500x200	350	-	-	-
	400	-	-	
	500	-	-	
	600	-	-	
	700	-	-	
600x200	350	-	-	-
	400	-	-	
	500	-	-	
	600	-	-	
	700	-	-	
800x200	350	-	-	-
	400	-	-	
	500	-	-	
	600	-	-	
	700	-	-	
600x300	600	-	-	-
	700	-	-	
800x300	600	-	-	-
	700	-	-	