

# EBCV Supply air grilles for circular ducts

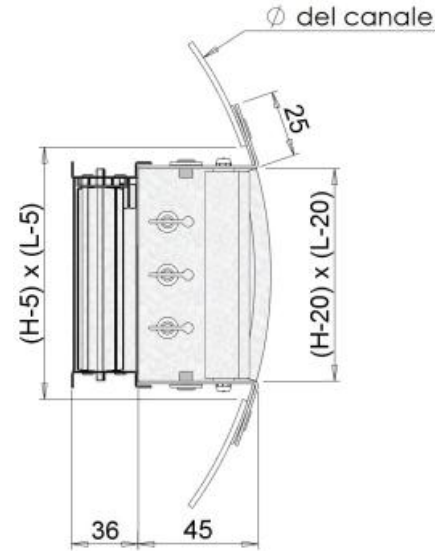


## Description

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

White RAL9016 painting or other RAL colours.

## Operating data

Vk: effective speed (m/s)

m<sup>3</sup>/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.

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

dimension LxH	dimensions of duct	effective cross-section	m <sup>3</sup> /h	L1	m <sup>3</sup> /h	L1
		m <sup>2</sup>				
300x100	160 - 200 - 250 - 300 - 350 - 400	0,018	140	3,7	230	5,6
400x100	160 - 200 - 250 - 300 - 350 - 400	0,025	200	4,5	320	6,8
500x100	160 - 200 - 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
Vk (m/s)			2,2		3,5	

## Noise level dB(A)

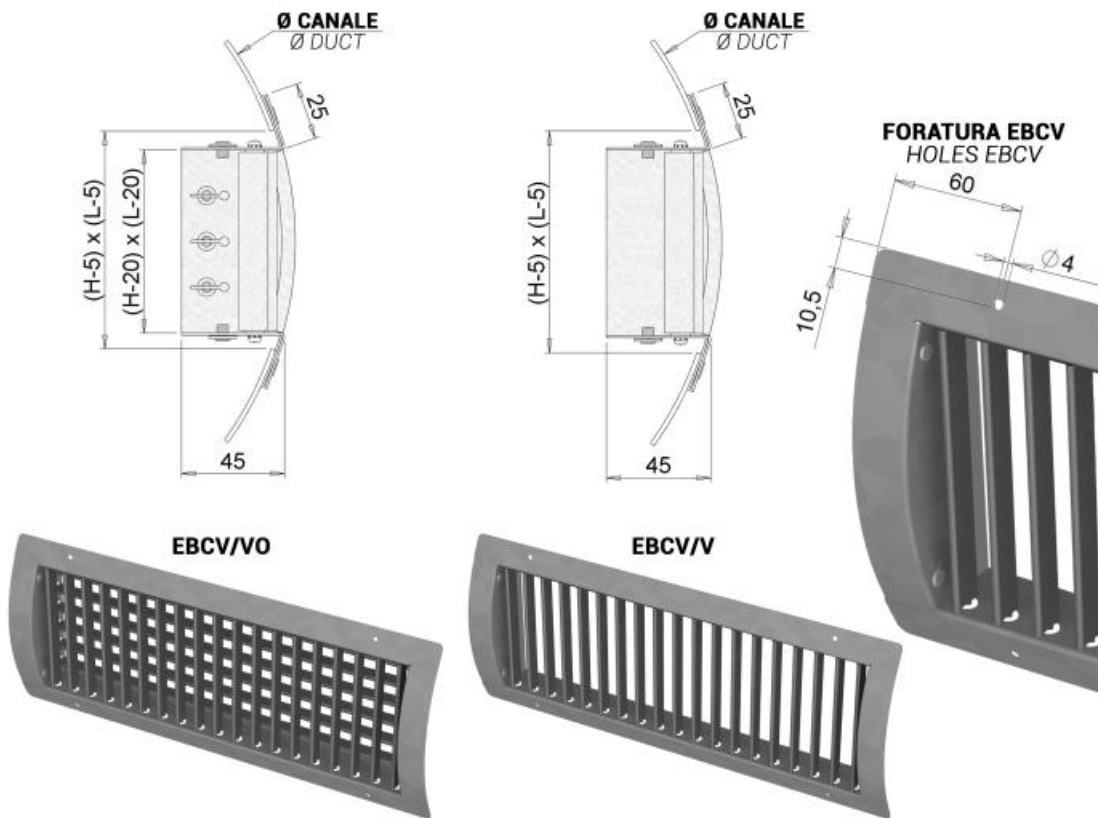
Vk m/s	defl. 0°	defl. 20°	defl. 40°
	dB(A)	dB(A)	dB(A)
2.2	15/20	18/23	20/25
3.5	20/25	23/28	25/30

## Pressure drop (Pa)

V m/s	defl. 0°	defl. 20°	defl. 40°
	Pa	Pa	Pa
2.2	4	5,5	7
3.5	9	13	16

## Configuration

All measurements are expressed in mm.



SCB calibration damper



Price list

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

dimensions	Ø duct	grille EBCV-O	grille EBCV-V	grille EBCV-VO	damper SCB
LxH	mm	euro	euro	euro	euro
300x100	160	a.r. v	28,16 v	37,01 v	14,82 v
	200	a.r. v	28,16 v	37,01 v	
	250	28,16 v	28,16 v	37,01 v	
	300	28,16 v	28,16 v	37,01 v	
	350	28,16 v	28,16 v	37,01 v	
	400	28,16 v	28,16 v	37,01 v	
400x100	160	a.r. v	31,11 v	44,93 v	17,73 v
	200	a.r. v	31,11 v	44,93 v	
	250	31,11 v	31,11 v	44,93 v	
	300	31,11 v	31,11 v	44,93 v	
	350	31,11 v	31,11 v	44,93 v	
500x100	160	a.r. v	41,45 v	53,00 v	21,16 v
	200	a.r. v	41,45 v	53,00 v	
	250	41,45 v	41,45 v	53,00 v	
	300	41,45 v	41,45 v	53,00 v	
	350	41,45 v	41,45 v	53,00 v	
400x150	250	40,36 v	40,36 v	54,15 v	20,46 v
	300	40,36 v	40,36 v	54,15 v	
	350	40,36 v	40,36 v	54,15 v	
	400	40,36 v	40,36 v	54,15 v	
	500	40,36 v	40,36 v	54,15 v	
	600	40,36 v	40,36 v	54,15 v	
	700	40,36 v	40,36 v	54,15 v	
500x150	250	42,63 v	42,63 v	64,38 v	23,69 v
	300	42,63 v	42,63 v	64,38 v	
	350	42,63 v	42,63 v	64,38 v	
	400	42,63 v	42,63 v	64,38 v	
	500	42,63 v	42,63 v	64,38 v	
	600	42,63 v	42,63 v	64,38 v	
700	42,63 v	42,63 v	64,38 v		

Notes:

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

dimensions	Ø duct	grille EBCV-O	grille EBCV-V	grille EBCV-VO	damper SCB
LxH	mm	euro	euro	euro	euro
600x150	250	47,20 v	47,20 v	69,11 v	27,00 v
	300	47,20 v	47,20 v	69,11 v	
	350	47,20 v	47,20 v	69,11 v	
	400	47,20 v	47,20 v	69,11 v	
	500	47,20 v	47,20 v	69,11 v	
	600	47,20 v	47,20 v	69,11 v	
	700	47,20 v	47,20 v	69,11 v	
400x200	350	44,93 v	44,93 v	59,90 v	25,31 v
	400	44,93 v	44,93 v	59,90 v	
	500	44,93 v	44,93 v	59,90 v	
	600	44,93 v	44,93 v	59,90 v	
	700	44,93 v	44,93 v	59,90 v	
500x200	350	49,55 v	49,55 v	66,85 v	29,73 v
	400	49,55 v	49,55 v	66,85 v	
	500	49,55 v	49,55 v	66,85 v	
	600	49,55 v	49,55 v	66,85 v	
600x200	350	56,45 v	56,45 v	79,50 v	34,25 v
	400	56,45 v	56,45 v	79,50 v	
	500	56,45 v	56,45 v	79,50 v	
	600	56,45 v	56,45 v	79,50 v	
800x200	350	61,64 v	61,64 v	96,89 v	41,97 v
	400	61,64 v	61,64 v	96,89 v	
	500	61,64 v	61,64 v	96,89 v	
	600	61,64 v	61,64 v	96,89 v	
600x300	600	84,68 v	84,68 v	119,20 v	42,63 v
	700	84,68 v	84,68 v	119,20 v	
800x300	600	92,45 v	102,73 v	145,35 v	51,72 v
	700	92,45 v	102,73 v	145,35 v	