EDE5 High Induction Swirl Diffuser

High induction swirl diffusers with adjustable aerodynamic profile deflectors



Description

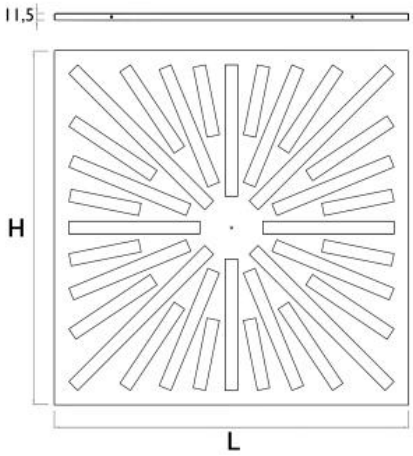
EDE5 - High induction swirl diffusers with adjustable deflectors on square panel.

Features

Material: galvanized steel panel and ABS deflectors.

Finish:
- white RAL 9016 painted panel;
- black ABS deflectors.

Installation on plenum with lateral non-visible screws or with internal bracket in the plenum and central hole on the diffuser (screw and cap for installation with fixing bracket supplied with the diffuser).



Use

Swirl diffuser suitable for installation in rooms with a height between 2.5 and 4 m, both in heating and cooling mode.

Accessories

- EPZ-EDE galvanized plenum box with damper and mounting bridge;
- EPZ-EDE-EQ galvanized plenum box with damper, equalizer and mounting bridge;
- EPI-EDE insulated galvanized plenum box with damper and fixing bracket;
- EPI-EDE-EQ insulated galvanized plenum box with damper, equalizer and mounting bridge.

Special executions

Panel colour on request.

Notes

The plenums available in stock are insulated, complete with damper, lateral connection and fixing kit.

Diffuser dimensions

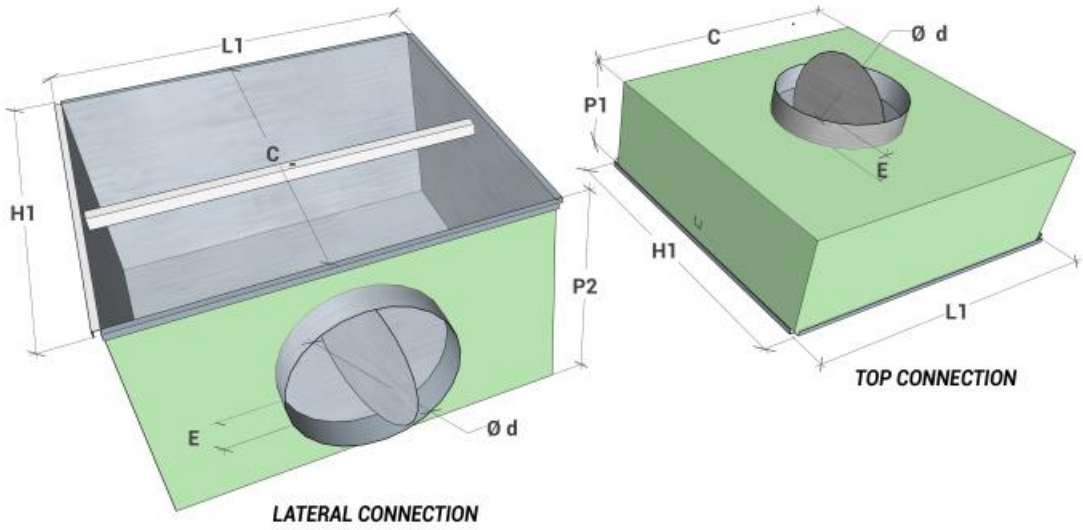
model EDE5	L x H (mm)
400	395x395
500	495x495
600	595x595
625	620x620

Operating data

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

model	effective cross-section m^2	Vk	2	3	4	5	6	number of deflectors
400	0,0217	m^3/h	160	235	315	390	470	16
		Pa	2	5	9	16	25	
		L(m)	1,8	2,6	3,5	4,4	5,3	
500	0,0402	m^3/h	290	435	580	725	870	24
		Pa	2	5	10	17	26	
		L(m)	1,7	2,5	3,4	4,2	5	
600	0,0706	m^3/h	510	760	1015	1270	1525	32
		Pa	2	5	10	17	27	
		L(m)	2,2	3,4	4,5	5,6	6,7	
625	0,0706	m^3/h	510	780	1015	1270	1525	32
		Pa	2	5	10	17	27	
		L(m)	2,2	3,4	4,5	5,6	6,7	
noise level		dB(A)	20	25	30	35	40	

Plenum box dimensions



All dimensions are expressed in mm

model	Compatible air diffuser type	External dimensions L_1 x H_1	Ø d	P1	P2	C	E
400	EDE5 400	392x392	198	200	300	360	50
500	EDE5 500	492x492	198	200	300	460	50
600	EDE5 600	592x592	248	200	350	560	50
625	EDE5 625	617x617	248	200	350	585	50

Price list

model	400	500	600	625
	euro	euro	euro	euro
EDE5	95,46	125,55	114,52	172,97

Price list for plenum box with lateral connection

For plenum box with top connection, price on request

Model	Description	400	500	600	625
		euro	euro	euro	euro
EPZ-EDE	Galvanised plenum with damper and fixing bracket	a.r.	a.r.	a.r.	162,50
EPZ-EDE-EQ	Galvanised plenum with damper, fixing bracket and equaliser	a.r.	a.r.	a.r.	196,31
EPI-EDE	INSULATED galvanised plenum with damper and fixing bracket	a.r.	a.r.	a.r.	202,71
EPI-EDE-EQ	INSULATED galvanised plenum with damper, fixing bracket and equaliser	a.r.	a.r.	a.r.	234,72