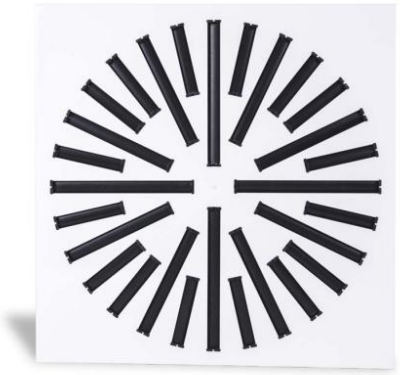
EDE1 - EDE1R High Induction Swirl Diffuser

High induction swirl diffusers with adjustable aerodynamic profile deflectors.



Description

EDE1 - High induction swirl diffusers with adjustable deflectors on square panel.

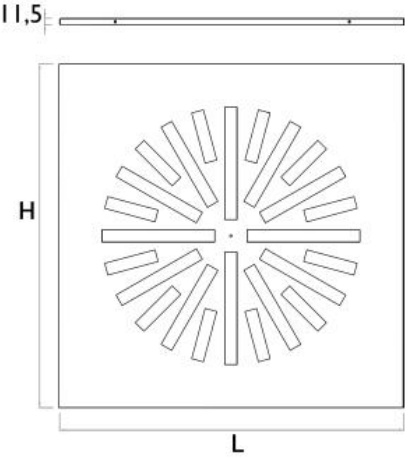
EDE1R - High induction swirl diffusers with adjustable deflectors on circular panel.

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 diffusers 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 plenum boxes available in stock are insulated, with damper, lateral connection and fixing kit.

Diffuser dimensions

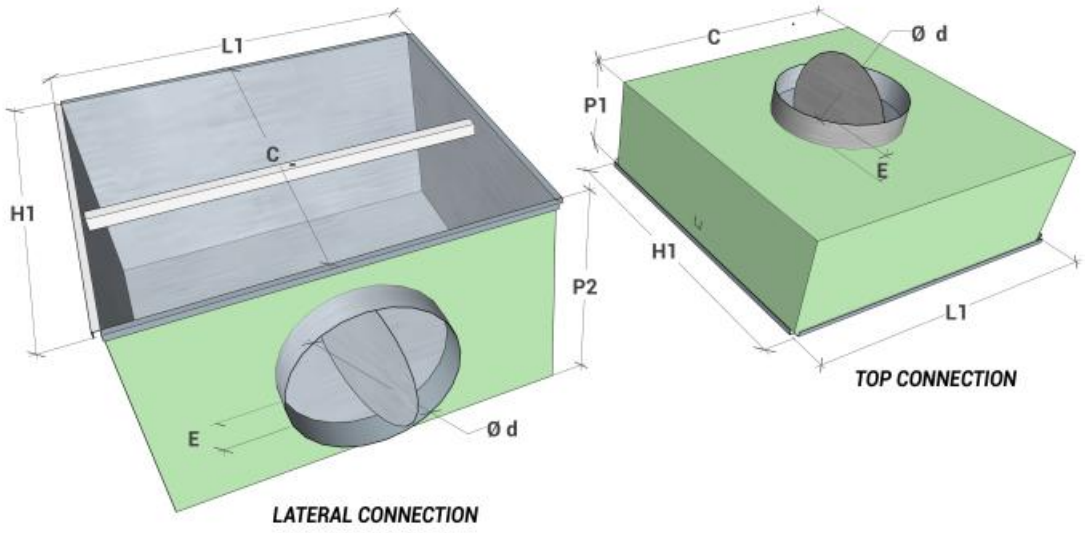
model EDE1	L x H (mm)
300	295x295
400	395x395
500	495x495
600	595x595
625	620x620
800	795x795

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
300	0,0081	m^3/h	60	90	120	145	175	8
		Pa	5	11	20	32	47	
		L(m)	0,9	1,3	1,7	2,2	2,9	
400	0,0164	m^3/h	120	175	235	295	355	12
		Pa	5	11	20	32	47	
		L(m)	1,1	1,6	2,1	2,7	3,3	
500	0,0354	m^3/h	255	380	510	635	765	24
		Pa	5	12	21	33	48	
		L(m)	1,6	2,4	3,1	3,9	4,8	
600	0,0506	m^3/h	365	545	730	910	1090	28
		Pa	5	12	21	33	48	
		L(m)	1,9	2,8	3,7	4,7	5,6	
625	0,0506	m^3/h	365	545	730	910	1090	28
		Pa	5	12	21	33	48	
		L(m)	1,9	2,8	3,7	4,7	5,6	
800	0,0787	m^3/h	565	850	1135	1415	1700	28
		Pa	5	12	21	33	48	
		L(m)	2,4	3,6	4,8	5,9	7,2	
Noise level		dB(A)	20	25	30	35	40	

Plenum box dimensions



All dimensions are expressed in mm

plenum model	Compatible air diffuser type	External dimensions L1 x H1	Ø d	P1	P2	C	E
300	EDE1 300	292x292	146	200	250	260	50
	EDE1 300/600						
400	EDE1 400	392x392	198	200	300	360	50
	EDE1 400/600						
500	EDE1 500	492x492	198	200	300	460	50
	EDE1 500/600						
600	EDE1 600	592x592	248	200	350	560	50
	EDE1 300/600						
	EDE1 400/600						
	EDE1 500/600						
625	EDE1 625	617x617	248	200	350	585	50
800	EDE1 800	792x792	298	250	400	760	50

Price list

model	300/600	400/600	500/600
	euro	euro	euro
EDE1	53,54	59,13	79,97

Price of EDE1R on request

model	300	400	500	600	625	800
	euro	euro	euro	euro	euro	euro
EDE1	43,28	48,87	71,22	74,64	121,14	196,06

Price list for plenum box with lateral connection

For plenum box with top connection, prices on request
For EDE1R plenum box, prices on request

Model	Description	300	400	500	600	625	800
		euro	euro	euro	euro	euro	euro
EPZ-EDE	Galvanized plenum box with damper in spigot and mounting bridge	a.r.	a.r.	a.r.	a.r.	162,50	217,65
EPZ-EDE-EQ	Galvanized plenum box with damper in spigot, equalizer and mounting bridge	a.r.	a.r.	a.r.	a.r.	196,31	269,29
EPI-EDE	INSULATED Galvanized plenum box with damper in spigot and mounting bridge	a.r.	a.r.	a.r.	a.r.	202,71	272,89
EPI-EDE-EQ	INSULATED Galvanized plenum box with damper in spigot, equalizer and mounting bridge	a.r.	a.r.	a.r.	a.r.	234,72	324,52