EDE2 - EDE2R High Induction Swirl Diffuser

High induction swirl diffusers with adjustable aerodynamic profile deflectors



Description

EDE2 - High induction swirl diffusers with adjustable deflectors on square panel.

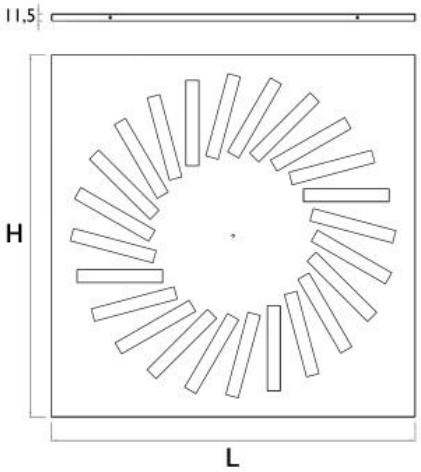
EDE2R - High induction swirl diffusers with adjustable deflectors on circular panel.

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

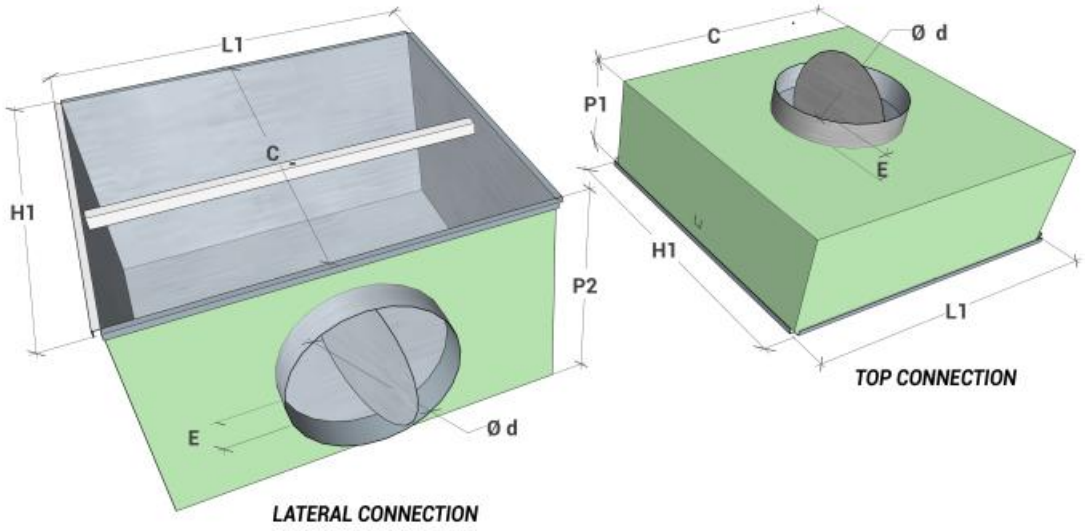
model EDE2	L x H (mm)
300	295x295
400	395x395
500	495x495
600	595x595
625	620x620
800	795x795

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	0,0092	m^3/h	67	100	135	165	200	10
		Pa	5	11	20	32	47	
		L(m)	0,9	1,3	1,7	2,2	2,9	
400	0,0161	m^3/h	115	175	230	290	350	12
		Pa	2	5	9	16	24	
		L(m)	1,1	1,6	2,1	2,7	3,2	
500	0,0253	m^3/h	180	275	365	455	545	16
		Pa	2	6	11	19	30	
		L(m)	1,3	2	2,7	3,4	4	
600	0,0380	m^3/h	275	410	545	685	820	24
		Pa	3	7	13	23	35	
		L(m)	1,7	2,5	3,2	4	5	
625	0,0380	m^3/h	275	410	540	685	820	24
		Pa	3	7	13	23	35	
		L(m)	1,7	2,5	3,2	4	5	
800	0,0668	m^3/h	480	720	960	1200	1440	24
		Pa	3	9	18	30	47	
		L(m)	2,1	3,2	4,4	5,5	6,5	
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 L_1 x H_1	Ø d	P1	P2	C	E
300	EDE2 300	292x292	146	200	250	260	50
	EDE2 300/600						
400	EDE2 400	392x392	198	200	300	360	50
	EDE2 400/600						
500	EDE2 500	492x492	198	200	300	460	50
	EDE2 500/600						
600	EDE2 600	592x592	248	200	350	560	50
	EDE2 300/600						
	EDE2 400/600						
	EDE2 500/600						
625	EDE2 625	617x617	248	200	350	585	50
800	EDE2 800	792x792	298	250	400	760	50

Price list

model	300/600	400/600	500/600
	euro	euro	euro
EDE2	53,54	58,52	79,23

Price of EDE2R on request

model	300	400	500	600	625	800
	euro	euro	euro	euro	euro	euro
EDE2	43,28	48,87	59,77	68,82	107,18	196,06

Price list for plenum box with side connection

For plenum box with top connection, prices on request
For EDE2R plenum box, prices on request

Model	Description	300	400	500	600	625	800
		euro	euro	euro	euro	euro	euro
EPZ-EDE	Galvanised plenum box with damper in spigot and mounting bridge	a.r.	a.r.	a.r.	a.r.	162,50	217,65
EPZ-EDE-EQ	Galvanised 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 galvanised 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 galvanised plenum box with damper in spigot, equalizer and mounting bridge	a.r.	a.r.	a.r.	a.r.	234,72	324,52