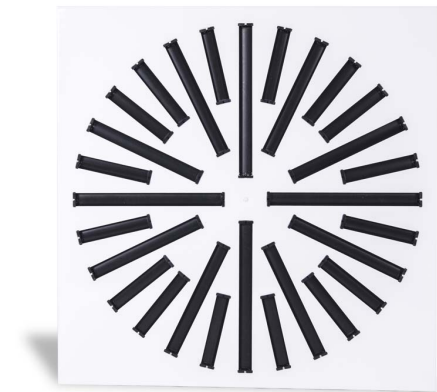


EDE1 - EDE1R High Induction Swirl Diffuser



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 box with lateral non-visible screws or with mounting bridge 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 steel plenum box with damper and mounting bridge;
- EPZ-EDE-EQ galvanized steel plenum box with damper, equalizer and mounting bridge;
- EPI-EDE insulated plenum box with damper and mounting bridge;
- EPI-EDE-EQ insulated plenum box with damper, equalizer and mounting bridge.

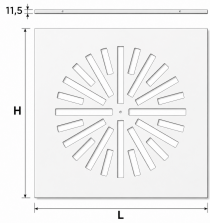
Special executions

Panel colour on request.

Notes

The plenum boxes available on stock are insulated, with damper, lateral connection and mounting bridge.

Diffuser Dimensions

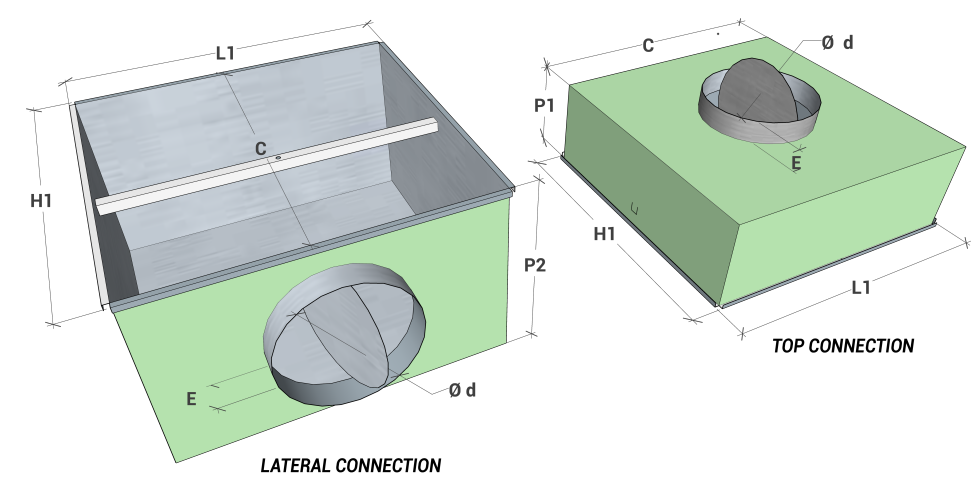
Technical Drawing	Models EDE1	L x H (mm)
	300	295x295
	400	395x395
	500	495x495
	600	595x595
	625	620x620
	800	795x795

Operating Data

- V_k: effective speed (m/s).
- m³/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.

Models	Effective Section	Vk	2	3	4	5	6	Number of Deflectors
	m²							
300	0,0081	m³/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	m³/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	m³/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	m³/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	m³/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	m³/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 Box	Compatible Diffuser	Overall Dimensions L1 x H1 (mm)	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

Models	300/600	400/600	500/600
	Eur	Eur	Eur
EDE1	-	-	-

Price of EDE1R on request.

Models	300	400	500	600	625	800
	Eur	Eur	Eur	Eur	Eur	Eur
EDE1	-	-	-	-	-	-

Price List for Plenum Box with Lateral Connection

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

Models	Description	300	400	500	600	625	800
		Eur	Eur	Eur	Eur	Eur	Eur
EPZ-EDE	Galvanised plenum box with damper and mounting bridge	-	-	-	-	-	-
EPZ-EDE-EQ	Galvanised steel plenum box with damper, equalizer and mounting bridge	-	-	-	-	-	-
EPI-EDE	Insulated plenum box with damper and mounting bridge	-	-	-	-	-	-
EPI-EDE-EQ	Insulated plenum box with damper, equalizer and mounting bridge	-	-	-	-	-	-