

EDE-FB Fixed Geometry Swirl Diffuser



Description

High induction swirl diffusers on 600x600 square panel with fixed curved deflectors.

Characteristics

Material: steel.

Finish: painted white RAL 9016.

Installation: with lateral or central screws on plenum mounting bridge.

Use

Diffuser suitable for installation heights between 2.6 and 4 m.

Accessories

- EPZ-EDE-FB galvanised plenum box with damper and mounting bridge;
- EPI-EDE-FB insulated plenum box with damper and mounting bridge;
- Screw and cap.

Diffuser Dimensions

All dimensions are expressed in mm.

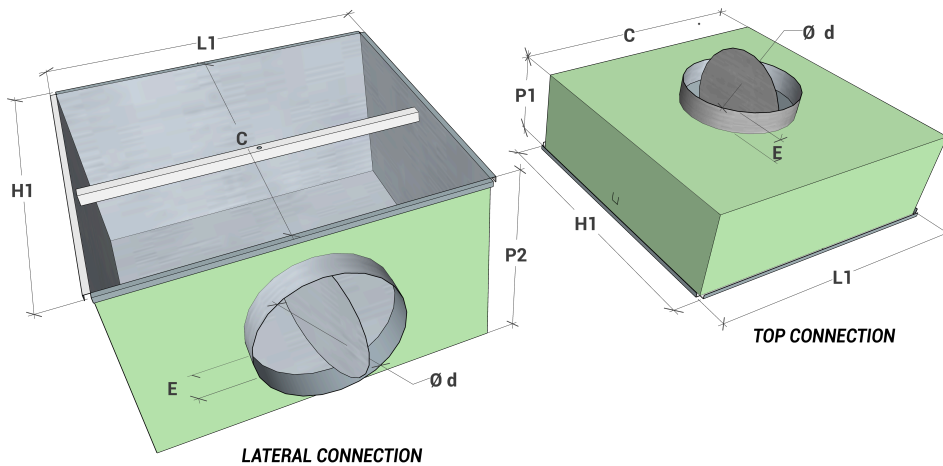
Technical Drawing	Models	L x H	Ø D	C1
	300 / 598	598x598	90	260
	400 / 598	598x598	117	337
	500 / 598	598x598	153	440
	600 / 598	598x598	178	537

Operating Data

- V_k : 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.

Models	Effective Section	V_k	2	3	4	5	6	7
	m^2							
300 / 598	0,0102	m^3/h	74	110	147	184	220	257
		Pa	4	9	16	25	36	49
		L(m)	1,2	1,7	2,3	2,9	3,4	4,0
		dB(A)	<20	22	24	28	34	37
400 / 598	0,0175	m^3/h	126	189	252	315	378	441
		Pa	4	9	16	26	37	51
		L(m)	1,5	2,3	3,0	3,8	4,5	5,3
		dB(A)	<20	<20	24	28	34	40
500 / 598	0,0266	m^3/h	192	287	383	479	574	670
		Pa	4	9	17	26	38	52
		L(m)	1,9	2,8	3,7	4,6	5,6	6,5
		dB(A)	<20	22	30	42	44	47
600 / 598	0,0374	m^3/h	269	404	538	673	808	942
		Pa	4	10	17	27	39	53
		L(m)	2,2	3,3	4,4	5,5	6,6	7,7
		dB(A)	<20	22	30	37	42	45

Plenum Dimension



All dimensions are expressed in mm.

Plenum Box	Compatible Diffuser	Overall Dimensions L1 x H1 (mm)	Ø d	P1	P2	□ C	E
300	EDE-FB 300 / 598	292x292	146	200	250	260	50
400	EDE-FB 400 / 598	392x392	198	200	300	360	50
500	EDE-FB 500 / 598	492x492	198	200	300	460	50
600	EDE-FB 300 / 598	592x592	248	200	350	560	50
	EDE-FB 400 / 598						
	EDE-FB 500 / 598						
	EDE-FB 600 / 598						

Price List

Models	300 / 598	400 / 598	500 / 598	600 / 598
	Eur	Eur	Eur	Eur
EDE-FB	66,63	71,33	72,90	74,28

Price List for Plenum with Lateral Connection

For plenum with top connection, price on request.

Models	Description	300	400	500	600
		Eur	Eur	Eur	Eur
EPZ-EDE-FB	Galvanised plenum box with damper and mounting bridge	79,57	94,60	110,26	129,93
EPI-EDE-FB	Insulated plenum box with damper and mounting bridge	93,84	114,94	135,37	159,27
	Screw and Cap	5,93			