

EDRFB - EDRFQB Fixed geometry diffusers



Description

Fixed geometry diffusers with high induction.

Characteristics

Material: steel plate with sharp edges.

Finish: painted RAL 9010.

Installation: secured with screws to the diffuser neck.

Use

Diffuser suitable for installation heights between 2.5 and 4 m.

Models

- EDRFB: high induction diffusers with fixed deflector blades on rounded circular panel.
- EDRFQB: high induction diffusers with fixed deflector blades on rounded square panel or on 595x595 panel suitable for installation on 600x600 square false ceilings.

Accessories

- EPZ-DC - Galvanised Plenum Box;
- EPI-DC - Insulated Plenum Box;
- EPZ-DCS - Galvanised Plenum Box with Damper;
- EPI-DCS - Insulated Plenum Box with Damper;
- EDRF-EQ - Fitting with Equaliser.

EDRFB - Dimensions

All dimensions are expressed in mm.

Technical Drawing	Diameter	ØD	ØL1	ØC	G1	P1
	125	122	225	28	55	82
	160	157	250	50	55	82
	200	197	300	50	55	82
	250	247	350	65	55	85
	315	312	415	87	55	85

EDRFB-Q - Dimensions

All EDRFQ diffuser sizes are available with an L2 × L2 dimension of 595 × 595 mm, making them suitable for installation in modular suspended ceilings.

Technical Drawing	Diameter	ØD1	L2xL2	ØC1	G2	P2
	125	122	225x225	28	55	82
	160	157	250x250	50	55	82
	200	197	300x300	50	55	82
	250	247	350x350	65	55	85
	315	312	415x415	87	55	85

Operating Data

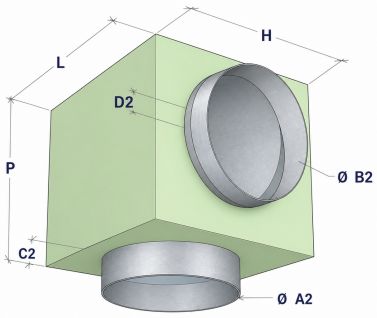
- V_k : effective speed (m/s).
- m^3/h : flow rate.
- Pa : pressure drops in Pascal.
- $L(m)$: air throw in metres calculated on ceiling installation, terminal velocity 0.25 m/s.
- $dB(A)$: noise level (without equaliser).

Model	Effective Section	V_k m/s	1,0	1,2	1,4	1,6	1,8	2,0	2,4	2,8	3,2	3,6	4,0	Recommended (m^3/h)	
	m^2													MIN	MAX
125	0,0091	m^3/h	32	39	45	52	58	65	78	91	104	117	130	40	90
		Pa (with equalizer)	5	7	9	12	15	19	27	37	48	61	75		
		Pa (without equalizer)	7	10	13	18	22	28	40	55	72	92	114		
		$L(m)$	1,5	1,6	1,7	1,8	1,9	2	2,3	2,4	2,6	2,7	2,9		
		$dB(A)$	<20	<20	23	28	31	34	40	45	49	52	75		
160	0,0146	m^3/h	54	65	76	86	97	108	130	151	173	194	216	50	120
		Pa (with equalizer)	5	7	10	13	16	20	29	40	52	65	81		
		Pa (without equalizer)	7	10	14	19	23	29	42	59	77	97	120		
		$L(m)$	1,6	1,8	1,9	2	2,1	2,2	2,5	2,7	2,8	3	3,1		
		$dB(A)$	<20	25	30	34	38	42	48	53	57	64	66		
200	0,0225	m^3/h	79	95	111	127	143	158	190	222	253	285	317	90	210
		Pa (with equalizer)	5	6	9	11	15	17	25	35	45	57	71		
		Pa (without equalizer)	7	9	13	16	21	25	37	51	66	84	105		
		$L(m)$	1,6	1,8	1,9	2	2,2	2,3	2,5	2,7	2,8	3	3,2		
		$dB(A)$	<20	22	26	30	34	37	42	47	51	54	57		
250	0,0345	m^3/h	122	147	171	196	220	245	294	343	392	441	490	130	310
		Pa (with equalizer)	5	5	6	8	10	13	19	25	33	42	52		
		Pa (without equalizer)	7	8	10	13	16	21	30	40	53	68	85		
		$L(m)$	1,9	2,1	2,3	2,5	2,6	2,7	3	3,2	3,4	3,6	3,8		
		$dB(A)$	<20	23	27	31	35	38	43	48	51	55	58		
315	0,0536	m^3/h	194	233	272	311	350	389	467	544	622	700	778	250	520
		Pa (with equalizer)	5	5	7	9	11	14	21	28	37	47	58		
		Pa (without equalizer)	7	8	11	14	17	22	32	43	57	73	90		
		$L(m)$	2	2,3	2,4	2,6	2,7	2,9	3,1	3,3	3,6	3,7	3,9		
		$dB(A)$	<20	<20	22	27	31	35	41	47	51	55	59		



EPZ-DC - EPI-DC - Plenum Box

All measurements are expressed in mm.

Technical Drawing	DiameterDiameter	L	H	P	Ø A2 Diffuser	Ø B2 Duct	Flexible or Rigid	Ø2
	125	200	200	200	127	125	70	100
	160	250	250	250	162	155	70	100
	200	300	300	300	202	195	70	100
	250	350	350	350	252	245	70	100
	315	400	400	400	317	310	70	100

Price List

Model	EDRFB	EDRFQB - Diffuser on square panel	EDRFQB - Diffuser on square panel 595x595 mm	EDRF-EQ - Fitting with Equaliser	EPZ-DC - Galvanised Plenum Box	EPI-DC - Insulated Plenum Box	EPZ-DCS - Plenum Box with Damper	EPI-DCS - Insulated Plenum Box with Damper
	€	€	€	€	€	€	€	€
125	45,74	49,91	117,00	49,85	59,03	87,29	78,46	99,87
160	55,64	63,28	130,40	51,88	65,67	88,68	86,96	110,78
200	72,48	82,70	149,76	67,32	74,73	100,47	96,40	122,97
250	87,36	100,11	167,17	81,92	99,39	128,93	121,62	152,03
315	108,31	124,00	191,03	94,41	111,86	145,19	140,60	175,05