

EDC 1-6 Multidirectional diffusers with curved blades



Description

Aluminium diffusers with special, individually adjustable curved blades. 1, 2, 3 and 4-way possible.

Characteristics

Material: aluminium.

Finish: natural anodised.

Standard installation: with clips (installation of the counter-frame recommended).

On request: holes for screws on the diffuser frame.

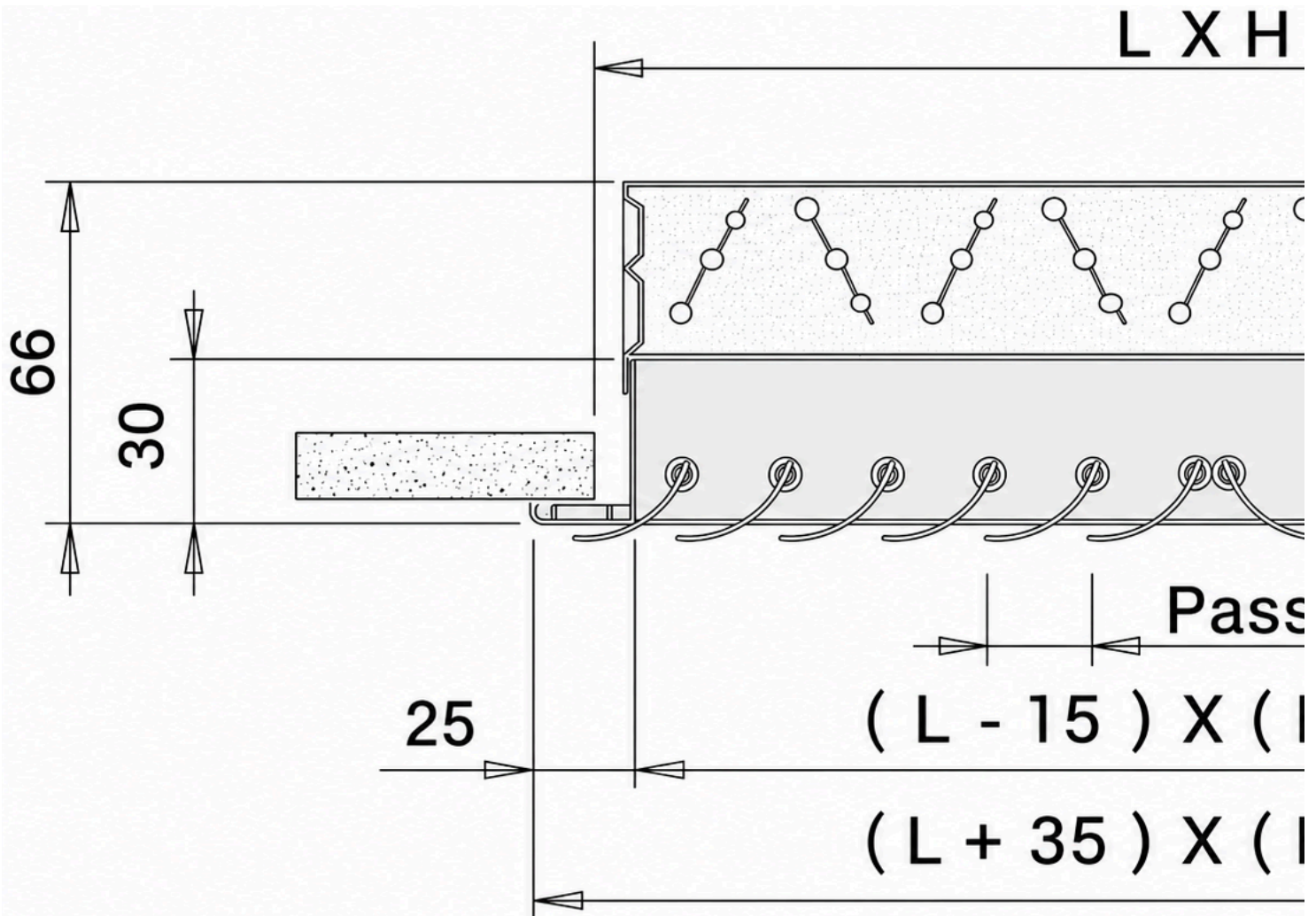
Use

Diffuser suitable for systems with low ceilings or where it is necessary to exploit the coanda effect (ceiling effect). It is also possible to adjust the air throw direction.

Accessories

- EPZ galvanised plenum box;
- EPI insulated plenum box;
- SC volume damper with opposite blades;
- CT galvanised steel mounting-frame.

Diffuser Dimensions



Operating Data

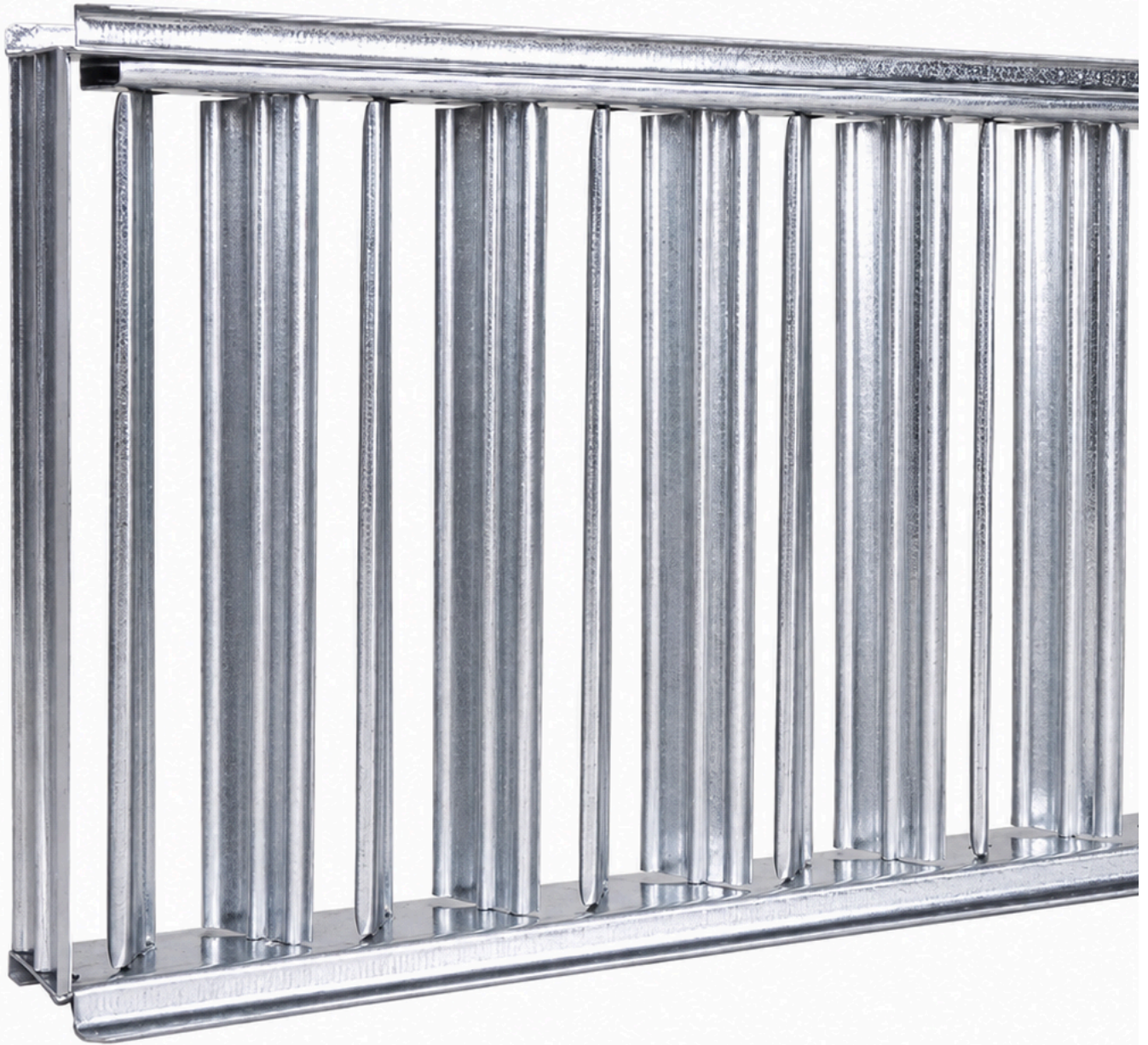
- V_k : effective speed (m/s).
- m^3/h : flow rate.
- Pa: pressure drops in Pascal.
- L(m): horizontal air-throw in metres calculated on ceiling installation, terminal velocity 0.25 m/s.
- dB(A): noise level.

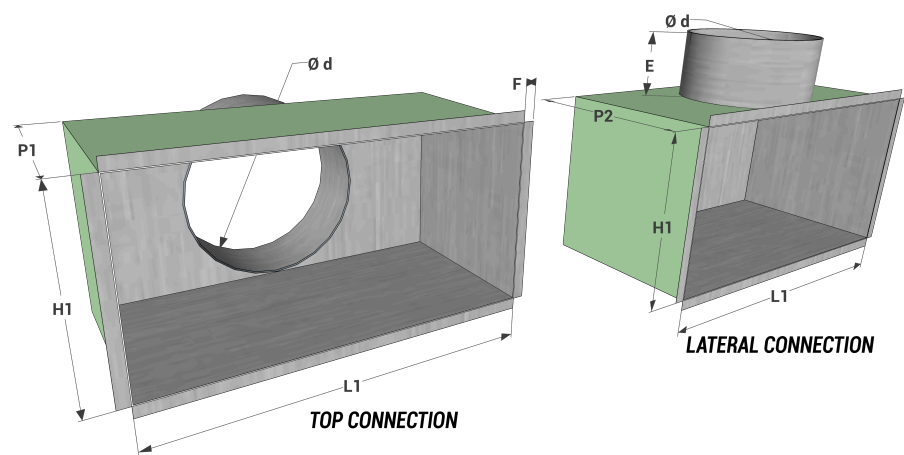
Dimensions LxH	Effective Cross- Section (m2)	V_k (m/s)	3	5	7	Dimensions LxH	Effective Cross- Section (m2)	V_k (m/s)	3	5	7
200x100	0,0074	m^3/h	80	133	187	400x200	0,0269	m^3/h	290	483	677
		L(m)	2	3,5	5,3			L(m)	2,4	3,5	6,5
		Pa	7	17	30			Pa	7	20	39
		dB(A)	<20	24	32			dB(A)	<20	33	40
300x100	0,0111	m^3/h	120	200	280	500x200	0,0324	m^3/h	350	583	817
		L(m)	1,8	3,7	5			L(m)	2,5	4,3	6,8
		Pa	6	17	30			Pa	7	27	33
		dB(A)	<20	27	34			dB(A)	<20	32	39
400x100	0,0148	m^3/h	160	267	373	600x200	0,0417	m^3/h	450	750	1050
		L(m)	2,5	4	6			L(m)	2,5	5	7
		Pa	6	20	30			Pa	10	20	40
		dB(A)	<20	29	35			dB(A)	22	34	43
500x100	0,0185	m^3/h	200	333	467	300x300	0,0324	m^3/h	350	583	817
		L(m)	2,3	4	5,8			L(m)	2,5	4,3	6,8
		Pa	7	17	32			Pa	7	27	33
		dB(A)	<20	28	37			dB(A)	<20	32	39
600x100	0,0213	m^3/h	230	383	537	400x300	0,0417	m^3/h	450	750	1050
		L(m)	2,3	4	6			L(m)	2,5	5	7
		Pa	6	17	30			Pa	10	20	40
		dB(A)	<20	28	37			dB(A)	22	34	43
300x150	0,0167	m^3/h	180	300	420	500x300	0,0546	m^3/h	590	983	1377
		L(m)	2,3	4	6			L(m)	2,7	4,8	6,5
		Pa	6	17	35			Pa	7	20	32
		dB(A)	<20	28	37			dB(A)	25	35	42
400x150	0,0213	m^3/h	230	383	537	600x300	0,0630	m^3/h	680	1133	1587
		L(m)	2,3	4	6			L(m)	2,4	4,3	6,7
		Pa	6	17	30			Pa	6	17	28
		dB(A)	<20	28	37			dB(A)	22	33	41
500x150	0,0269	m^3/h	290	483	677	400x400	0,0546	m^3/h	590	983	1377
		L(m)	2,4	3,5	6,5			L(m)	2,7	4,8	6,5
		Pa	7	20	39			Pa	7	20	32
		dB(A)	<20	33	40			dB(A)	25	35	42
600x150	0,0324	m^3/h	350	583	817	500x500	0,0880	m^3/h	950	1583	2217
		L(m)	2,5	4,3	6,8			L(m)	2,8	5	7,2
		Pa	7	27	33			Pa	6	17	30
		dB(A)	<20	32	39			dB(A)	24	34	43
300x200	0,0213	m^3/h	230	383	537	600x600	0,1259	m^3/h	1360	2267	3173
		L(m)	2,3	4	6			L(m)	2,5	5,5	8
		Pa	6	17	30			Pa	5	20	30
		dB(A)	<20	28	37			dB(A)	23	39	44

Accessories

SC - Volume Damper

This accessory allows the airflow supplied through the diffuser to be reduced, ensuring accurate airflow balancing. The damper is attached to the diffuser using the clips supplied with the diffuser. Opposed-blade balancing damper manufactured from galvanized steel. Maximum one-piece construction dimensions (L x H): 1000 x 600 mm.





Models L1xH1	Top Connection			Lateral Connection			E	F	Models L1xH1	Top Connection			Lateral Connection			E	F
	P1	Nr. Connections	Ø d	P2	Nr. Connections	Ø d				P1	Nr. Connections	Ø d	P2	Nr. Connections	Ø d		
200x100	200	1	98	200	1	98	80	12	400x200	200	1	198	300	1	198	80	12
300x100	200	1	98	200	1	98	80	12	500x200	200	1	198	300	1	198	80	12
400x100	200	2	98	200	2	98	80	12	600x200	200	2	198	300	2	198	80	12
500x100	200	2	98	200	2	98	80	12	300x300	200	1	248	350	1	248	80	12
600x100	200	2	98	200	2	98	80	12	400x300	200	1	248	350	1	248	80	12
300x150	200	1	148	250	1	148	80	12	500x300	200	1	248	350	1	248	80	12
400x150	200	1	148	250	1	148	80	12	600x300	200	2	198	350	2	248	80	12
500x150	200	2	148	250	2	148	80	12	400x400	200	1	298	400	1	298	80	12
600x150	200	2	148	250	2	148	80	12	500x500	200	2	248	400	2	248	80	12
300x200	200	1	198	300	1	198	80	12	600x600	200	2	298	400	2	298	80	12

Price List

Note: painted white RAL 9016 + 20%.

Dimensions L1xH1	EDC1	EDC2	EDC3	EDC4	EDC5	EDC6	SC - Volume Damper	CT - Mounting-frame
	Eur	Eur	Eur	Eur	Eur	Eur	Eur	Eur
200x100	32,18	32,18	35,15	35,15	-	-	14,15	15,12
300x100	34,02	34,02	36,99	36,99	-	-	15,41	15,12
400x100	36,76	36,76	42,47	42,47	-	-	18,44	16,79
500x100	39,54	39,54	43,46	43,46	-	-	22,01	18,47
600x100	42,30	42,30	46,22	46,22	-	-	25,18	20,19
300x150	47,81	47,81	51,80	51,80	-	-	18,06	16,79
400x150	50,55	50,55	55,49	55,49	-	-	21,28	18,47
500x150	53,32	53,32	58,28	58,28	-	-	24,64	22,16
600x150	54,26	54,26	60,11	60,11	-	-	28,08	24,19
300x200	50,55	50,55	55,18	55,18	75,85	75,85	23,98	18,47
400x200	54,26	54,26	60,11	60,11	81,37	81,37	26,32	21,35
500x200	60,67	60,67	66,58	66,58	91,04	91,04	30,92	24,19
600x200	66,20	66,20	72,61	72,61	99,34	99,34	35,62	25,91
300x300	69,88	69,88	78,60	78,60	104,83	104,83	29,76	22,16
400x300	75,39	75,39	83,21	83,21	113,08	113,08	36,84	25,91
500x300	81,83	81,83	89,72	89,72	122,75	122,75	40,56	29,57
600x300	89,20	89,20	97,88	98,36	133,81	133,81	44,34	31,31
400x400	100,55	100,55	110,33	110,33	154,41	154,41	42,19	29,57
500x500	136,39	136,39	148,65	148,65	204,62	204,62	65,57	36,97
600x600	178,52	178,52	196,67	196,67	270,10	270,10	81,41	44,03

Accessories

Models L1 x H1	Plenum box with Top Connection		Plenum box with Lateral Connection		Models L1 x H1	Plenum box with Top Connection		Plenum box with Lateral Connection	
	EPZ - Plenum Box	EPI - Insulated Plenum Box	EPZ - Plenum Box	EPI - Insulated Plenum Box		EPZ - Plenum Box	EPI - Insulated Plenum Box	EPZ - Plenum Box	EPI - Insulated Plenum Box
200x100	31,29	43,48	31,29	43,48	400x200	41,72	57,15	47,32	64,67
300x100	33,85	46,96	33,85	46,96	500x200	44,76	61,27	51,31	69,98
400x100	36,45	59,19	44,84	59,19	600x200	59,03	81,21	74,86	95,68
500x100	47,43	62,67	47,43	62,67	300x300	42,85	58,39	51,24	69,74
600x100	41,64	66,14	50,03	66,14	400x300	57,55	74,78	67,34	87,92
300x150	35,77	49,96	38,37	52,83	500x300	61,07	79,49	72,22	94,52
400x150	39,08	53,83	41,64	57,27	600x300	72,30	92,24	80,69	103,51
500x150	50,32	66,30	53,35	70,38	400x400	62,15	80,81	77,05	100,84
600x150	44,72	70,06	56,63	74,78	500x500	86,73	114,62	105,31	139,60
300x200	38,65	53,03	43,37	59,35	600x600	115,62	150,39	137,88	180,33