

EDFDS Floor circular diffusers



Description

The EDFDS circular floor diffuser is designed for air supply and return in heating and cooling applications in commercial environments such as offices, meeting rooms, auditoriums and concert halls. The diffuser features high induction, a robust construction, and a removable design for easy inspection and cleaning, complete with drain pan. It is intended for floor installation in applications where a high-quality aesthetic finish is required. Suitable for installation in modular or raised floor systems.

Characteristics

Material: natural anodised aluminium.

Use

Cinemas, theatres and wherever it is necessary to supply air from the ground.

Accessories

- EPI-EDFDS - Insulated plenum box with damper.

Dimensions

Technical Drawing	Models	Ø A (mm)	Ø B (mm)	C (mm)	E (min)	E (max)
	150	190	150	250 x 250	14	32
	200	240	200	300 x 300	14	32

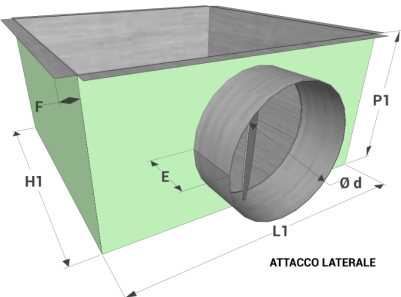
Operating Data

- 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 Cross-Section (m ²)	V_k m/s	1,7	2	2,2	2,5	2,8	3,4	3,9	4,8	5,6
EDFDS 150	0,00495	m^3/h	30	35	40	45	50	60	70	85	100
		Pa	6	8	11	13	17	24	33	48	67
		dB(A)	<20	22	25	28	31	35	39	43	47
	L(m) con $\hat{I}^{\circ}T$	-4°C	0,8	0,9	1,1	1,2	1,3	1,6	1,9	2,3	2,7
		-6°C	0,7	0,8	0,9	1,0	1,2	1,4	1,6	2,0	2,3
		-8°C	0,6	0,7	0,8	0,9	1,0	1,2	1,4	1,7	2,0

Models	Effective Cross-Section (m ²)	V_k m/s	1,5	1,8	2,1	2,5	2,9	3,4	3,8	4,4	5
EDFDS 200	0,00945	m^3/h	50	60	70	85	100	115	130	150	170
		Pa	3	5	7	10	14	18	23	31	40
		dB(A)	<20	20	24	29	33	36	39	43	46
	L(m) con $\hat{I}^{\circ}T$	-4°C	0,7	0,8	0,9	1,1	1,3	1,5	1,7	2,0	2,3
		-6°C	0,6	0,7	0,8	1,0	1,2	1,3	1,5	1,7	2,0
		-8°C	0,5	0,6	0,7	0,9	1,0	1,2	1,3	1,5	1,7

EPI-EDFDS - Plenum Box

Technical Drawing	Models	Dimensions L1 x H1	Ø d (mm)	P1 (mm)	E (mm)	F (mm)
	EDFDS 150	250x250	98	150	100	14
	EDFDS 200	350x350	123	150	100	14

Price List

Models	EDFDS	EPI-EDFDS
	Eur	Eur
150	72,79	100,87
200	75,47	100,87

