

EDEA-SD Circular diffusers with fixed cones and integrate damper



Description

Circular diffusers with aluminium fixed cones complete with butterfly damper.

Characteristics

The diffuser is made of aluminium and painted white RAL 9016, while the butterfly damper is made of black plastic. It can be installed on false ceilings using the fixing bracket supplied with the diffuser. Should it be necessary to connect the diffuser to a flexible duct, there is no need to install the fixing bracket, but the EDEA-RF collar (sold separately) should be installed instead.

Use

The EDEA-SD circular diffuser with fixed cones is suitable for air conditioning, heating and ventilation applications, for both supply and exhaust. The installation height is normally between 2.5 m and 4.5 m. This type of diffuser is not suitable for environments with corrosive atmospheres, such as swimming pools, thermal facilities, and areas where chemical agents are used. In particular, chlorinated vapors and fumes are extremely aggressive.

Accessories

- EDEA-RFA - Galvanized steel collar for connection to flexible ducting.

Dimensions

All dimensions are expressed in mm.

Technical Drawing	Model	ØA	ØD	Ø H Hole Size
	150	257	149	225
	200	307	199	275
	250	357	249	325
	300	407	299	375
	350	457	349	425

Operating Data

- Vk: 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.

Model	Effective Section		Vk m/s			
	m²		2	3	4	5
150	0,0135	m³/h	97	146	194	243
		L(m)	1,1	1,4	2,2	2,7
		Pa	3	6	9	13
200	0,0285	m³/h	205	308	410	513
		L(m)	1,9	2,5	3	4
		Pa	5	8	13	18
250	0,0435	m³/h	313	470	626	783
		L(m)	2,1	2,7	3,7	4,7
		Pa	6	11	17	24
300	0,0585	m³/h	418	626	835	1044
		L(m)	2,1	2,7	3,7	5
		Pa	7	13	20	29
350	0,0789	m³/h	568	853	1137	1053
		L(m)	2,2	2,8	3,8	5,2
		Pa	8	15	23	33
Noise Level		dB(A)	15-20	20-25	25-30	35-40

Price list

Model	EDEA-SD - Diffuser with Butterfly Damper	EDEA-RFA - Connection collar
	€	€
150	-	-
200	-	-
250	-	-
300	-	-
350	-	-