

Specification sheet

ClimaConnect circular ceiling diffuser

DESCRIPTION AND FUNCTION

The ClimaConnect circular ceiling diffuser offers a minimalistic appearance with a unique design, allowing for versatile, both horizontal and vertical air patterns, depending on the supply air temperature and air volume. The airflow direction can be adjusted manually by regulating the lower plate. The unit consists of a front panel and a form-pressed back section featuring a circular air connection. The diffuser can be directly connected to the Econox acoustically insulated plenum for even air distribution and effective noise reduction behind the ceiling diffuser. The ClimaConnect model ensures high flexibility in its operation, with draught-free air distribution at a low noise level when correctly designed. Recommended maximumΔt: +/-10 °C.

APPLICATIONS

The ClimaConnect diffuser is recommended for comfort ventilation purposes, including residential applications, offices, schools, retail stores, hospitals, restaurants, hotels, and more. It can also be used for extract air purposes, ensuring a unified appearance.

SIZES

Ø125, 160, 200, 250

AIRFLOW RANGE

40-500 m3/h (11-140 l/s)

MATERIALS

The front diffuser plate and the back section is made of sheet steel. The unit is powder coated in RAL 9010 or 9005. The air connection features an EPDM sealing.

MAIN CHARACTERSTICS

- Circular ceiling diffuser for horizontal or vertical air patterns
- Aesthetic appearance
- Adjustable front plate for varied air directionsí and pressure drop
- 360° air distribution
- Draught-free operation at a low noise level
- Easily removable front plate

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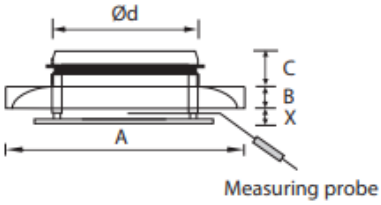
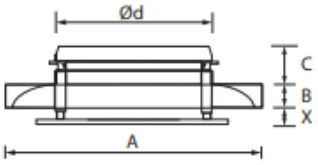
DIMENSIONS

Size	A	B	C	X	Ød	KG
125	205	18	34	5-18	125	0,5
160	260	20	34	7-20	160	0,8
200	330	23	45	7-22	200	1,2
250	410	27	45	10-25	250	1,8





SOUND DATA

Correction KOK [dB]

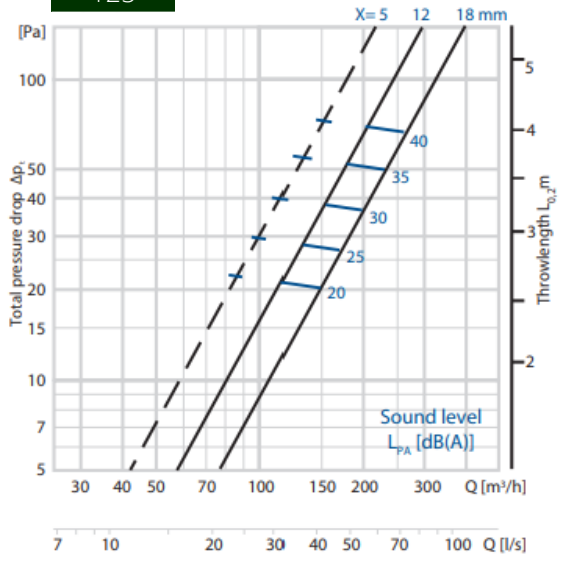
	Medium frequency (Hz)						
Size	125	250	500	1000	2000	4000	8000
125	+13	+7	+3	+3	-12	-20	-25
160	+13	+7	+2	-3	-10	-20	-24
200	+11	+6	+2	-2	-10	-21	-26
250	+12	+7	+1	-2	-9	-23	-27

Sound attenuation [dB]

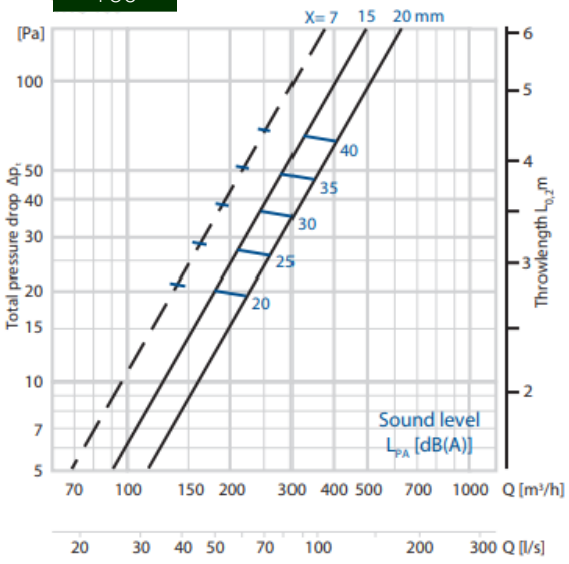
	Medium frequency (Hz)						
Size	125	250	500	1000	2000	4000	8000
125	+19	+15	+10	+4	+2	0	0
160	+17	+13	+8	+3	+1	0	0
200	+16	+12	+7	+2	+1	0	0
250	+13	+10	+5	0	0	0	0

The sound level is applicable at an equivalent sound
Absorption area of 10 m2
Sound effect level: LW [dB]
Sound level: LPA [dB(A)]
See diagram 1-4.
Correction factor: KOK [dB] from table 2.
LW = LPA + KOK

125



160



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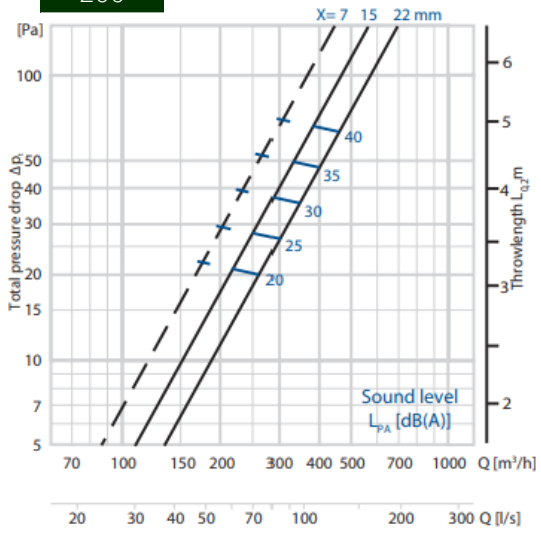
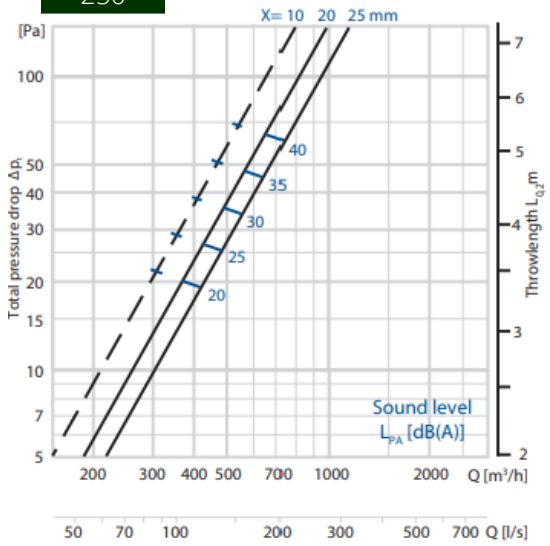
200



250



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