



Swirl Diffusers

BM-SWD-03



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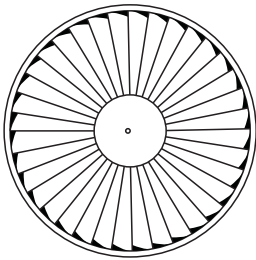
Square and Round BM-SWD-03 Ceiling Swirl Diffusers have been designed to provide attractive, non-obtrusive, high quality indoor air diffusion.

Swirl diffuser is generally used in high ceiling applications of up to 4.5m. The supply air rapidly mixes with the room air in a swirling pattern. Swirl diffuser is available in both fixed and adjustable blade pattern. The design of swirl diffuser is aesthetically appealing and chosen by several architects.

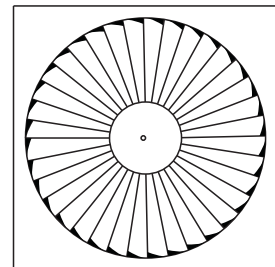
Swirling air discharge offers elevated induction, swift blending, prompt temperature homogenization, and a gentle room air movement. The blade angle ensures superb horizontal air distribution, and coupled with the Coanda effect, the diffuser stands as an optimal choice for Variable Air Volume (VAV) systems. Incorporating acoustic foam within the plenum enhances indoor air quality (IAQ). The circular plenum design facilitates efficient air discharge, minimizing turbulence, pressure loss, and generated noise. With two interface options, it harmonizes with diverse ceiling profiles. The compelling IAQ and indoor climate aspects serve as outstanding selling points to bolster tenancy promotion.

Specification

- Diffuser is made by cutting high quality GI sheets (Z-275)
- Swirl diffuser made of high-quality aluminium and stainless steel sheets is also available as an option.
- Swirl diffuser completed with fixed air control blades and plenum with perforated equalizing plate.
- For supply and extract air
- For variable and constant volume flows
- Ideal for comfort zones
- Round and Square panel option



BM-SWD-03 R

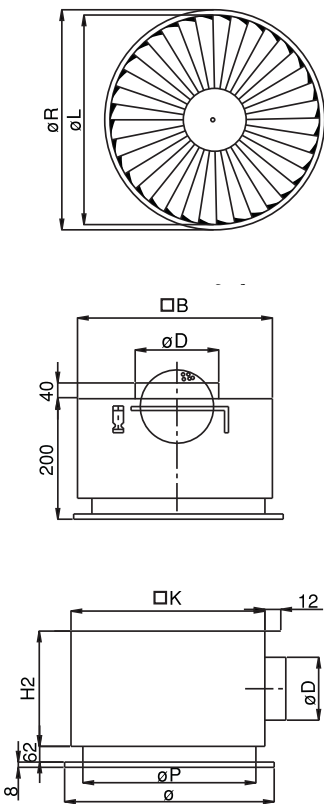


BM-SWD-03

Technical sizes

Size	B	D	L	R	Q	H2	K	P
300	280	158	250	300	298	250	290	278
400	364	198	350	400	398	295	372	362
500	462	198	450	500	498	295	476	460
600	559	248	538	600	598	345	567	557
625	559	248	538	623	623	345	567	557

BM-SWD-03 R



Top entry

Side entry

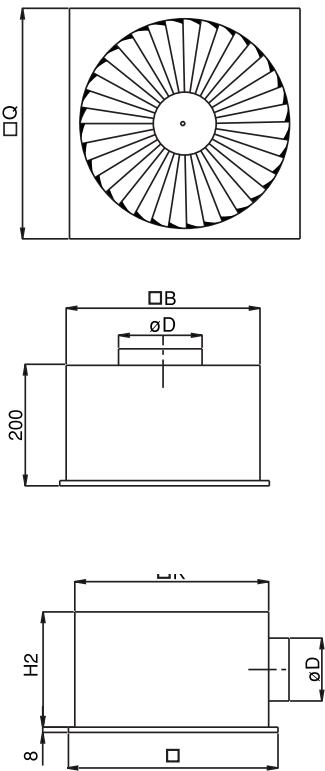
Open ceiling
installation



Finish 1

Finish 2

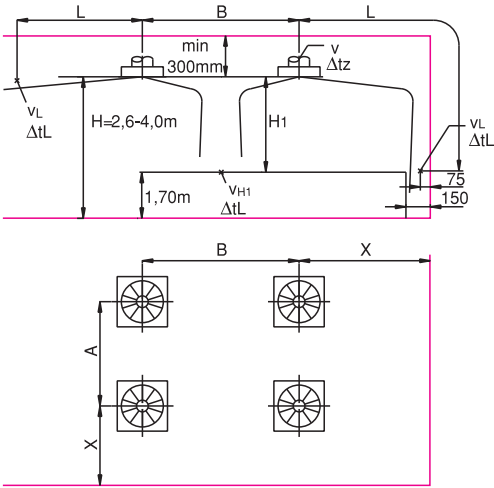
BM-SWD-03



Ceiling installation

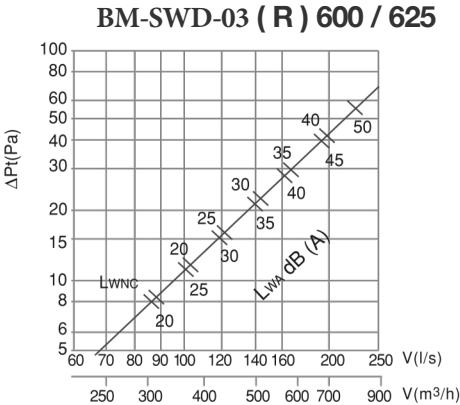
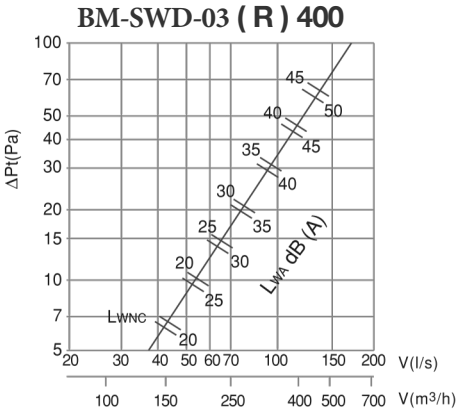
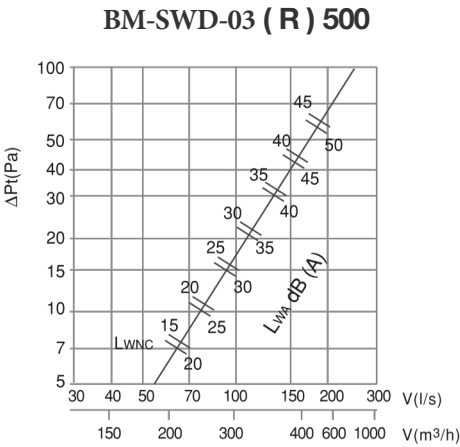
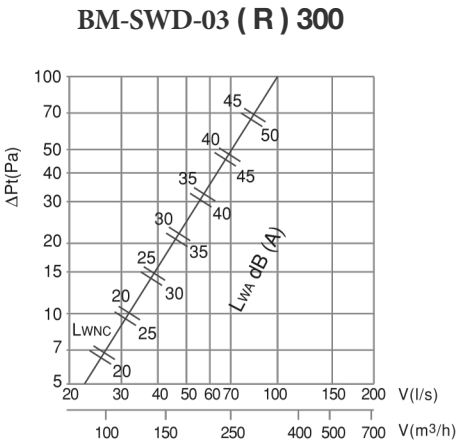
Quick selection

Size	Vmax		Vmin		LWA max dB (A)	LWNC max NC	LWA min. dB (A)	LWNC min. NC	A _{eff} m ²
	l/s	m ³ /h	l/s	m ³ /h					
300	55	200	40	145	40	34	31	25	0,00884
400	110	400	50	180	40	34	25	< 20	0,0180
500	145	520	60	215	40	34	< 20	< 20	0,0251
600 625	165	600	80	290	40	34	< 20	< 20	0,0295



Performance

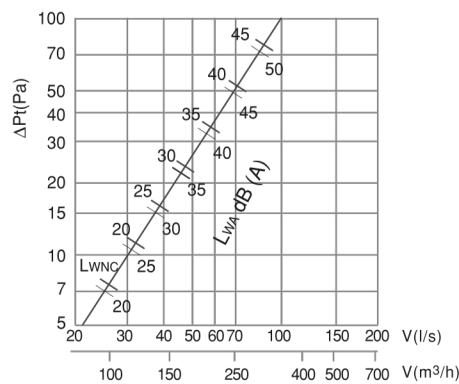
Sound Power Level and Pressure Drops (Top entry)



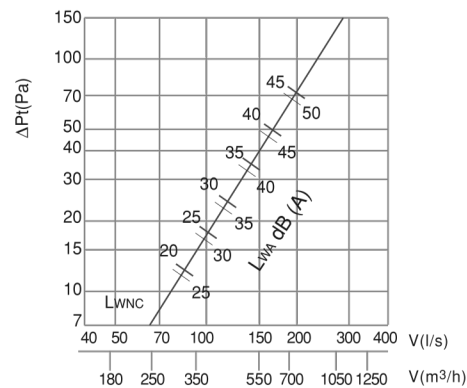
Performance

Sound Power Level and Pressure Drops (Side entry)

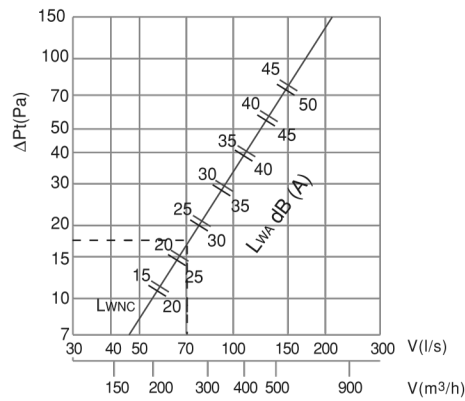
BM-SWD-03 (R) 300



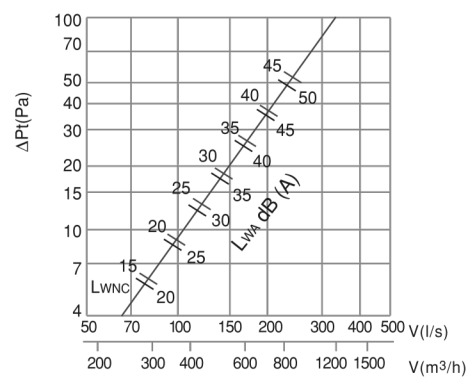
BM-SWD-03 (R) 500



BM-SWD-03 (R) 400

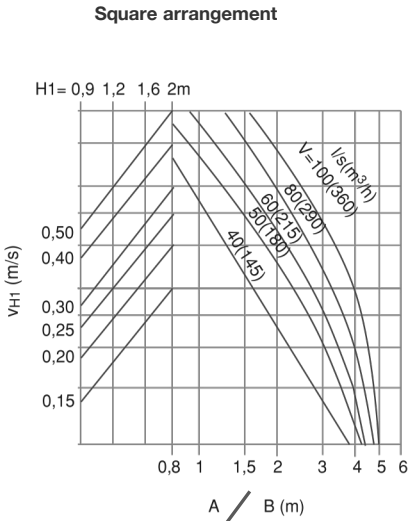
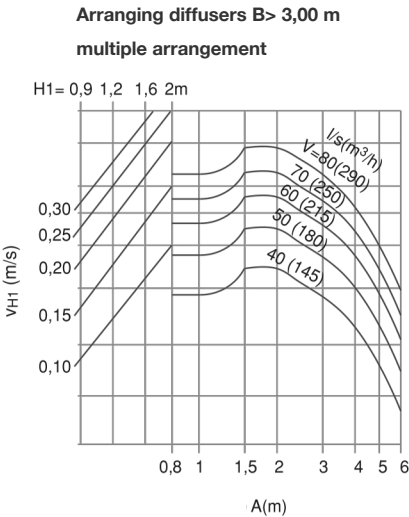
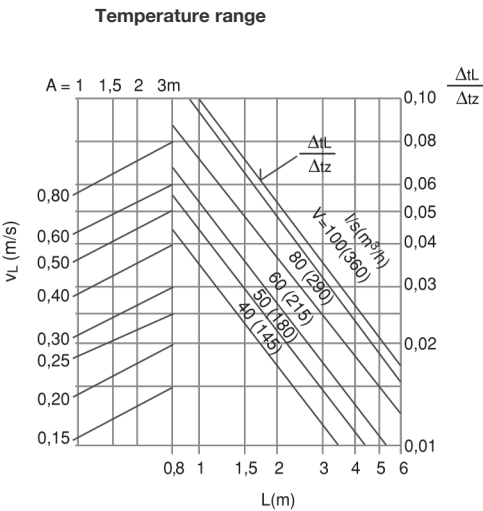
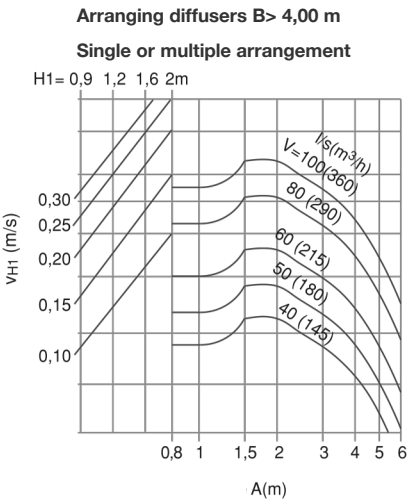


BM-SWD-03 (R) 600 / 625



Performance

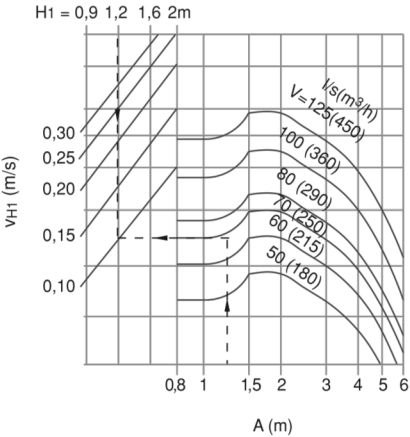
BM-SWD-03 (R) 300



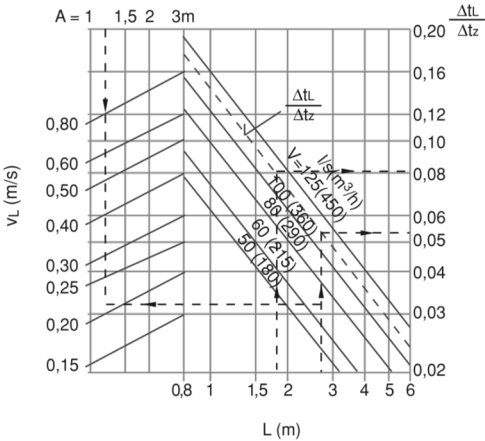
Performance

BM-SWD-03 (R) 400

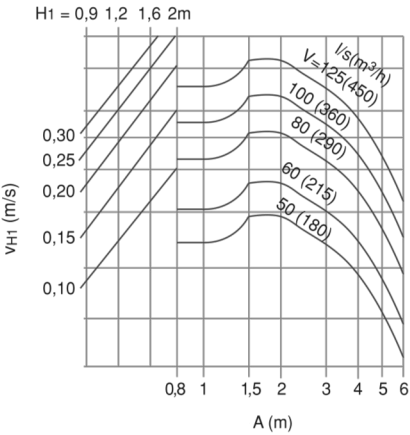
Arranging diffusers B> 4,00 m
Single or multiple arrangement



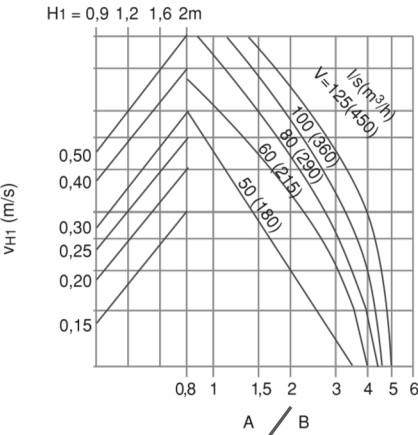
Temperature range



Arranging diffusers B> 3,00 m
multiple arrangement



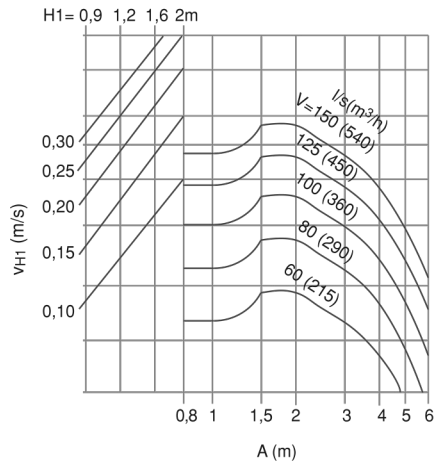
Square arrangement



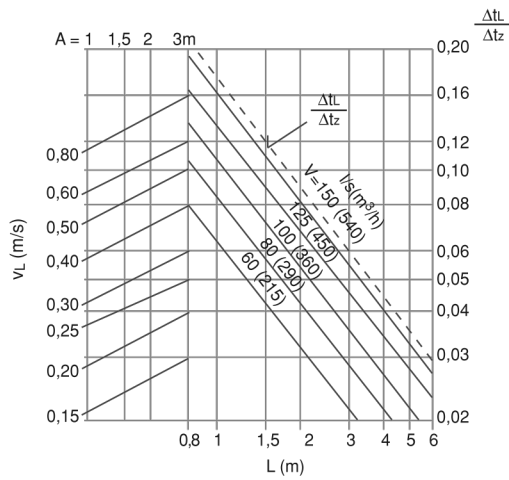
Performance

BM-SWD-03 (R) 500

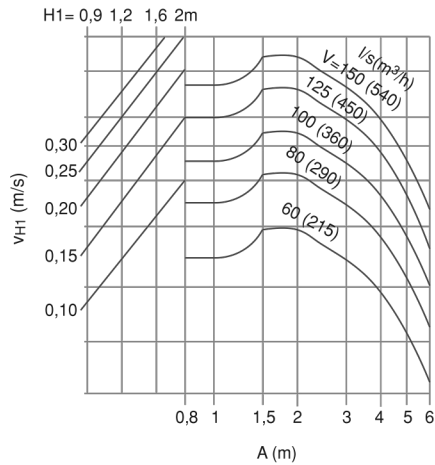
Arranging diffusers B> 4,00 m
Single or multiple arrangement



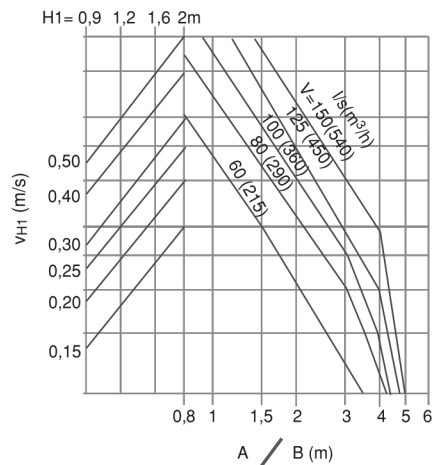
Temperature range



Arranging diffusers B> 3,00 m
multiple arrangement



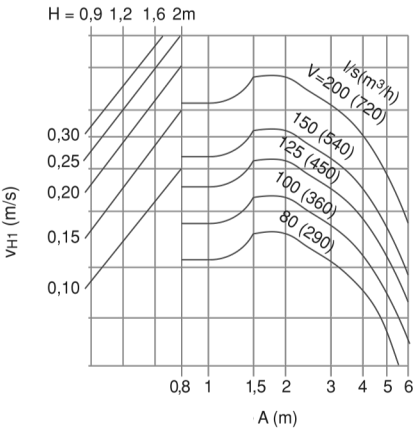
Square arrangement



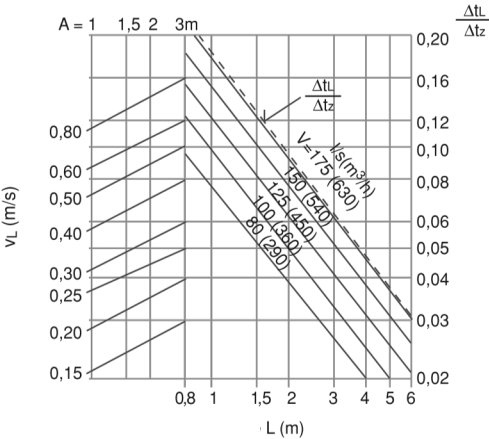
Performance

BM-SWD-03 (R) 600 / 625

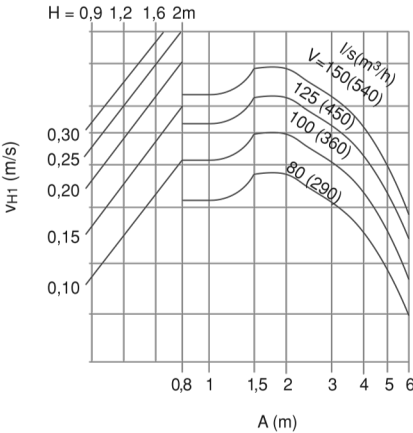
Arranging diffusers B> 4,00 m
Single or multiple arrangement



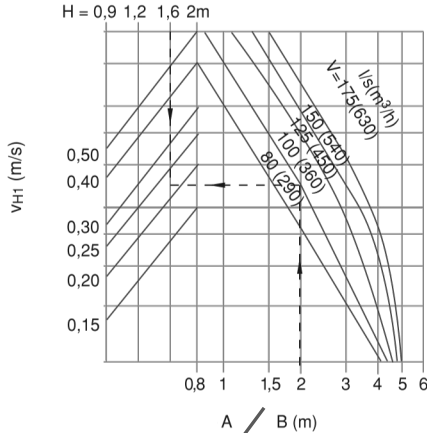
Temperature range



Arranging diffusers B> 3,00 m
multiple arrangement



Square arrangement





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