

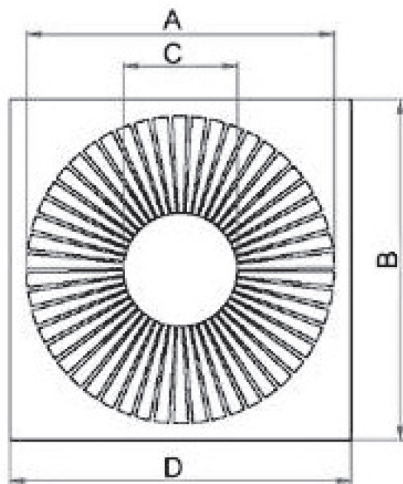


DWS

Helical throw diffuser on square panel characterised by a series of 36 fixed fins positioned in radial direction. The helical throw given on the air injected by the particular geometry of the deflectors allows obtaining a high induction ratio and consequently rapid reduction of the air velocity and temperature difference.

TECHNICAL SPECIFICATION AND USAGE LIMIT

INSTALLATION HEIGHT	APPLICATIONS	MATERIAL	SURFACE FINISH	COLOR	FASTENING
2,7 to 3,6 m	the diffusers are fastened to the plenum by means of side screws or a central screw. Using a central screw to fasten the diffuser to the plenum bridge makes it particularly easy to install. To ensure throw stability, it is suggested to install it flush with the ceiling.	painted galvanised steel panel	epoxy powder coating resistant to impact and abrasion	RAL 9010 white. On request, coating in non-standard RAL colours.	the diffusers are fastened to the plenum by means of side screws or a central screw. Using a central screw to fasten the diffuser to the plenum bridge makes it particularly easy to install. To ensure throw stability, it is suggested to install it flush with the ceiling.



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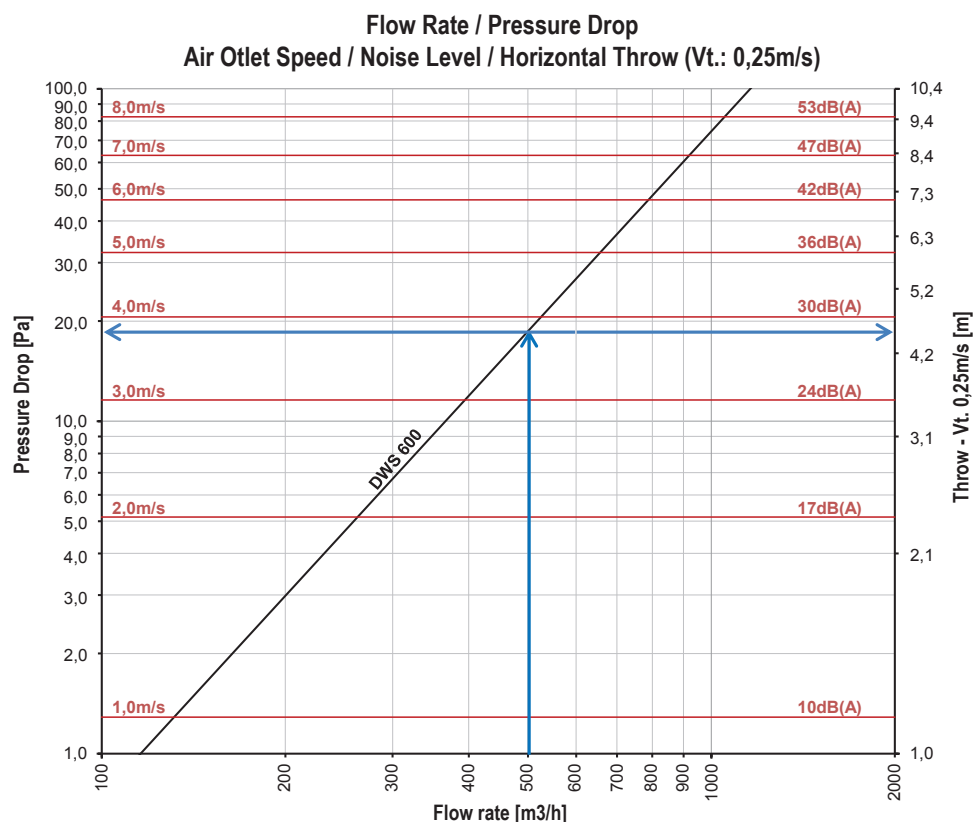
TECHNICAL DATA

Model	B X D [mm]	Ø A [mm]	Ø C [mm]
DWS 600	595	540	200

APPLICATIONS

								
Residential	Easy Pack	Calculation Method	REACH Certificate	RoHS Certificate	Industry	Building	Air Conditioning	Interior design

Selection charts



Note: Pressure drop data shown in the diagram refer to the diffuser with the damper fully open.

Diagram 1

*on request

The diagram shows the diffuser pressure drop based on the flow rate with relative indication of the noise level without environmental attenuation, air outlet speed and horizontal throw with terminal speed equal to 0.25m/s.

CALCULATION (input data)	
Total Flow Rate	5000 m ³ /h
Max Noise Level	30dB(A)
Number of diffusers expected	10pz.
Horizontal Isothermal Throw	4,4m

SELECTION	
Model	DWS 600
Flow Rate	500 m ³ /h
Pressure Drop	+/- 19Pa
Noise Level	29dB(A)
Outlet Air Speed	Flow Rate / (Ak * 3600) = 3,80m/s
Horizontal Isothermal Throw	4,4m

MODEL	DESCRIPTION	U.M.	Vi (m/sec)									
			1	2	3	4	5	6	7	8	9	10
DWS 600 Ak: 0,0365m ²	Flow Rate	m ³ /h	131	263	394	526	657	788	920	1051	1183	1314
	Pressure Drop	Pa	1	5	12	21	32	46	63	82	104	129
	Horizontal Throw Vt 0,25m/s	mt	1,2	2,4	3,6	4,7	5,9	7,1	8,3	9,5	10,7	11,9
	Noise Level	dB(A)	10	17	24	30	36	42	47	53	58	63

Note: the data indicated refer to operation in isothermal conditions