

Supply Air Valves

KNT

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Description

The KNI air supply valve is designed for mounting on ceilings, walls or directly on ducts with use of the special assembly frame RM. The KNI has a continuous adjustment of rotating central disc. Selected slot can be fixed by means of a fixing nut. Special construction of the valve ensures a low level of noise as well as easy and fast assembly.

Material: galvanized steel sheet
Finishing: glossy powder painted acc. to RAL 9016
Standard colour: white

Example identification

Product code: KNT - aaa

type _____
 ød _____

Technical Data

Parameters

Volumetric flow q (l/s or m³/h.), total pressure loss P_t (Pa) and acoustic pressure level L_A (dB(A)) for various cone settings can be read from the figure.

Pressure losses P_t

The figures show total pressure loss P_t (Pa).

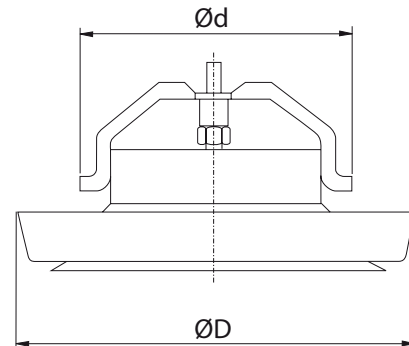
Acoustic pressure level, L_A

The figure shows acoustic pressure level L_A (dB(A)). The noise level is specified for a room attenuation of 4dB, which translates into attenuation in the reverberation zone of the SABINE room with an acoustic absorption of 10 m²

Control

Details of how to control volumetric flow are to be found in the instructions for use.

Dimensions



$\varnothing d$ nom [mm]	$\varnothing D$ [mm]	weight [kg]
100	135	0,28
125	165	0,44
160	205	0,62

Acoustic pressure level L_A (dB(A))

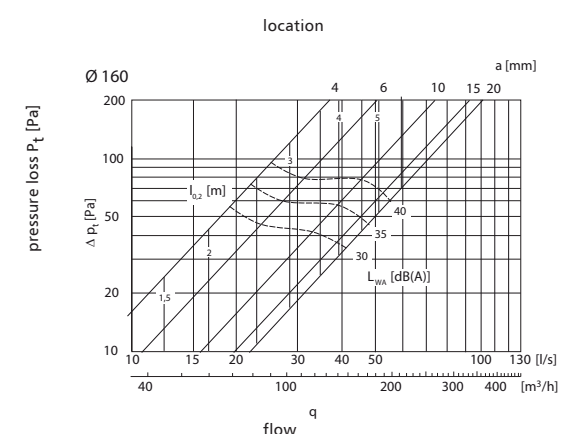
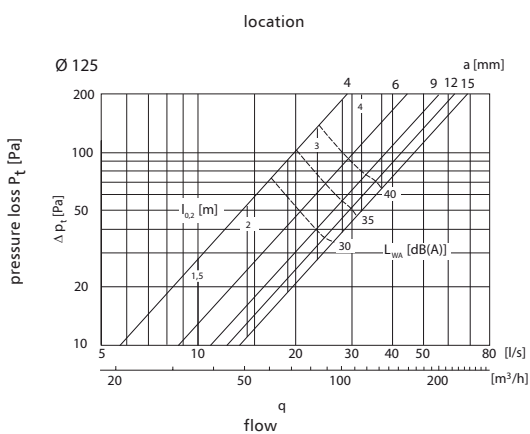
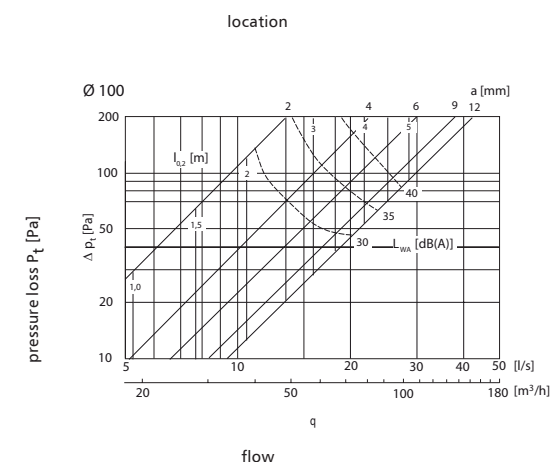
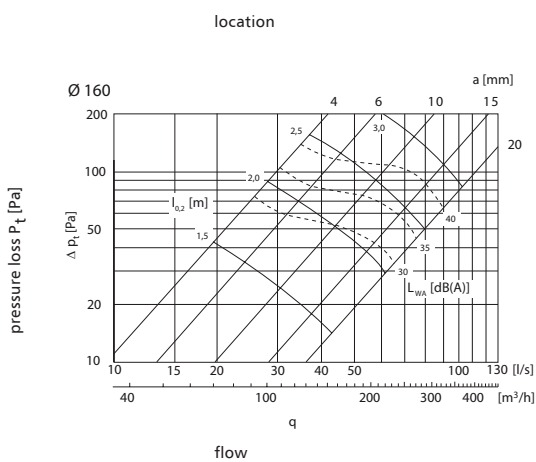
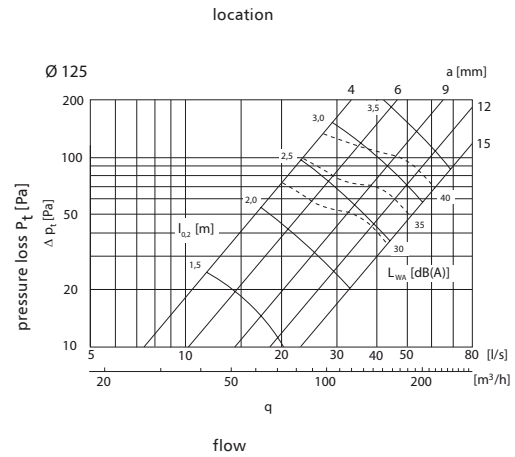
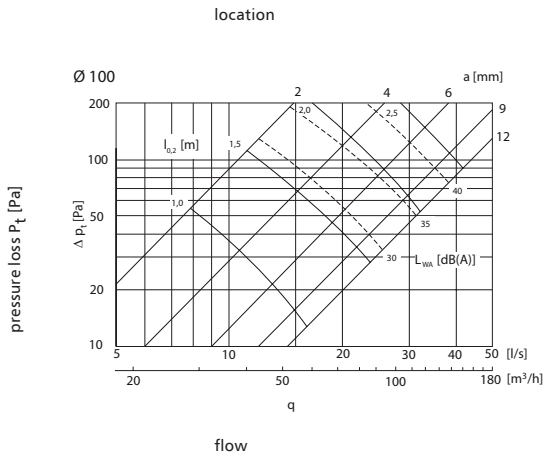
dimension [mm]	average frequency (Hz)						
	125	250	500	1000	2000	4000	8000
100	-6	-2	-3	-5	-8	-9	-15
125	0	1	-1	-5	-15	-21	-33
160	3	2	-1	-6	-15	-23	-36
tolerance	3	2	2	2	2	2	3

Sound attenuation (dB)

dimension [mm]	average frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
100	22	18	13	11	9	8	7	8
125	20	16	11	9	9	7	6	5
160	18	14	10	9	9	7	6	6
tolerance	6	3	2	2	2	2	2	3

Technical Data

Whitout sector plate



With sector plate