



WDVV
Wervelrooster

Plafondrooster WDVV

Wervelrooster

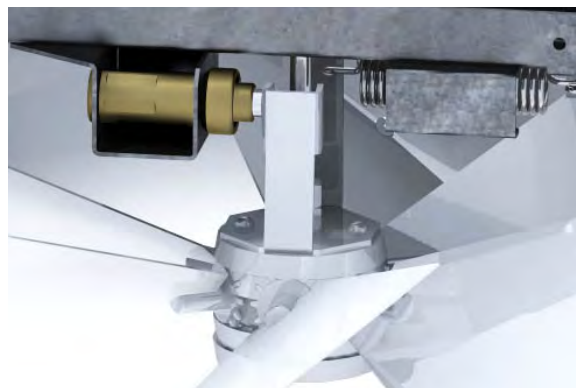


Introductie

Plafondrooster voor ruimtes met een hoogte van 4 meter tot 10 meter. Gemaakt uit aluminium, standaard RAL 9010. Het wervelrooster is voorzien van een verstelbare schoep en kan bevestigd worden met een schroefbevestiging.

Opties

- Plenum box
- Handaandrijving
- Motoraandrijving
- Aandrijving door bi-metaal
- RAL kleuren
- Moduulplaat



Aandrijving door bi-metaal

- Aanpassen worp afstand, afhankelijk van de temperatuur van de luchttoevoer
- Geen extra voeding nodig

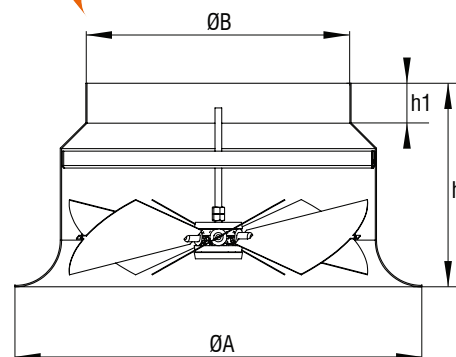


Technische gegevens

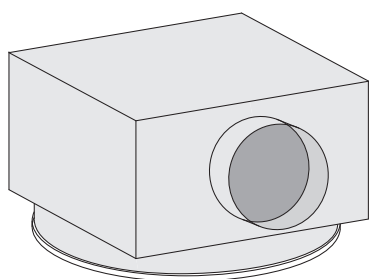
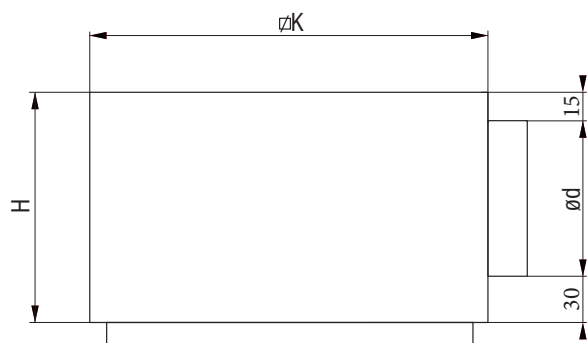


Bestelvoorbeeld

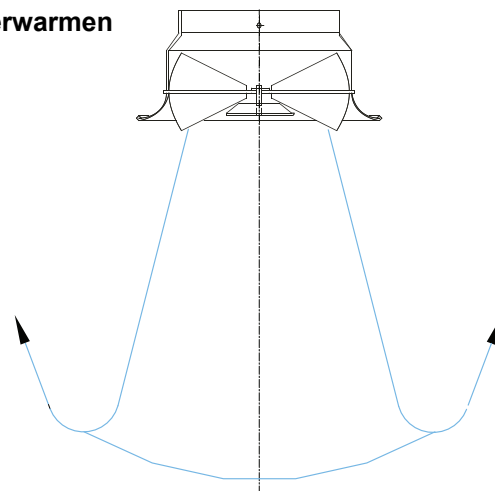
Type	WDVV - 500 - M230	- PL - $\varnothing d$
Afmeting		
R - handmatig		
M230 - motor 230V		
M24 - motor 24V		
T - Bi-metaal		
OZ - motor open/dicht		
K - motor 0-10V		
Moduulplaat 595 x 595 (t/m diameter 315 mm)		
Aansluitdiameter		



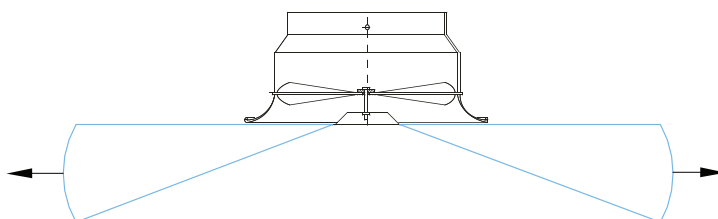
Plenumbox WDVV



Verwarmen



Koelen

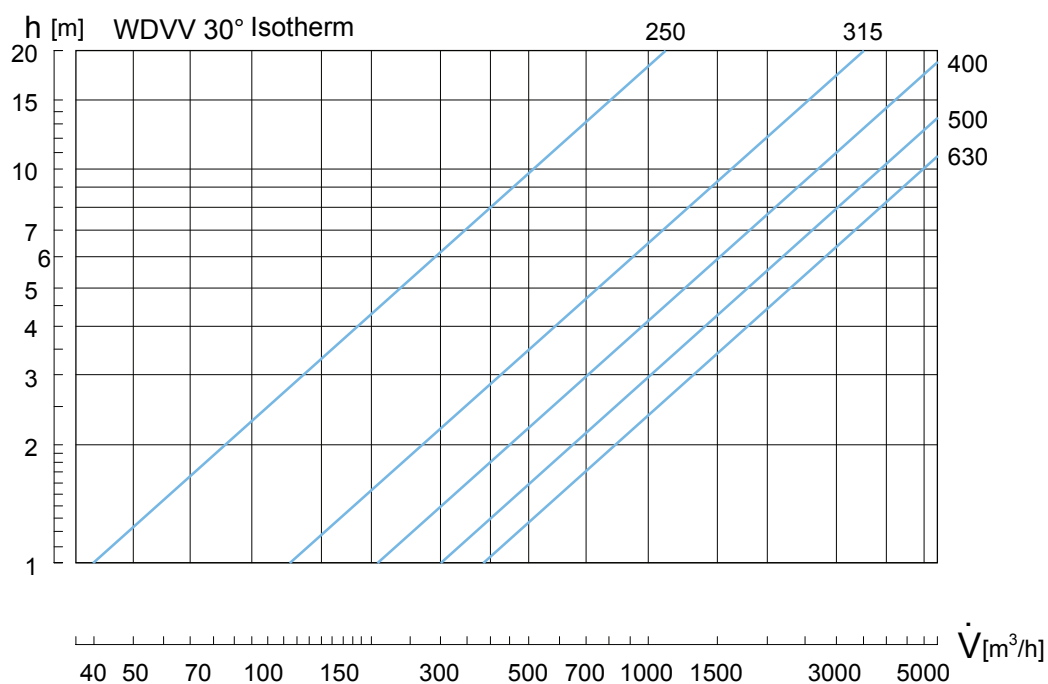
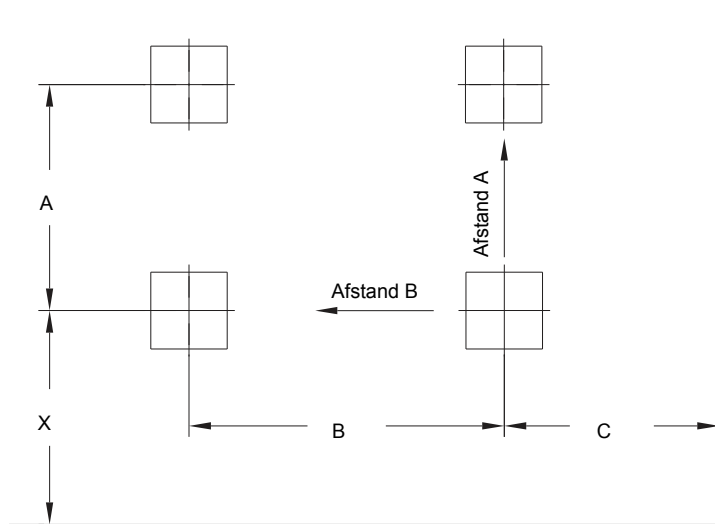
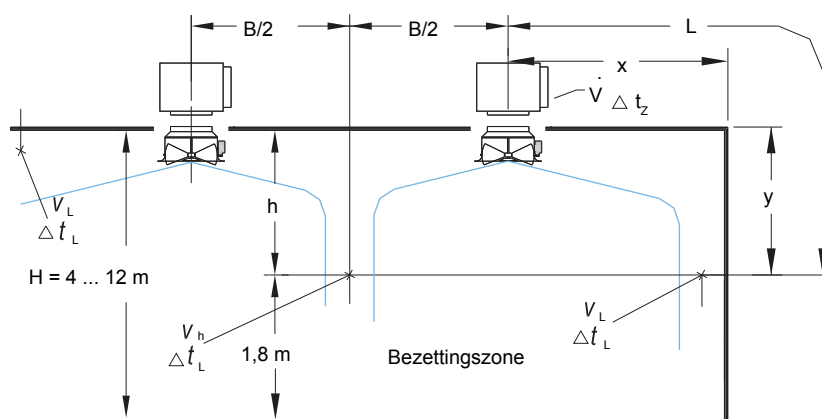


Afmetingen

Diameter	A _{ef} [m ²]	ØB [mm]	ØA [mm]	h [mm]	h1 [mm]	ØK [mm]	H [mm]	Sparing
250	0,048	248	417	230	40	410	295	387
315	0,077	313	491	252	40	510	360	461
400	0,125	398	615	263	50	510	445	585
500	0,195	498	796	320	50	610	545	766
630	0,310	628	935	375	40	710	675	905
800*	0,503	798	1142	451	40			

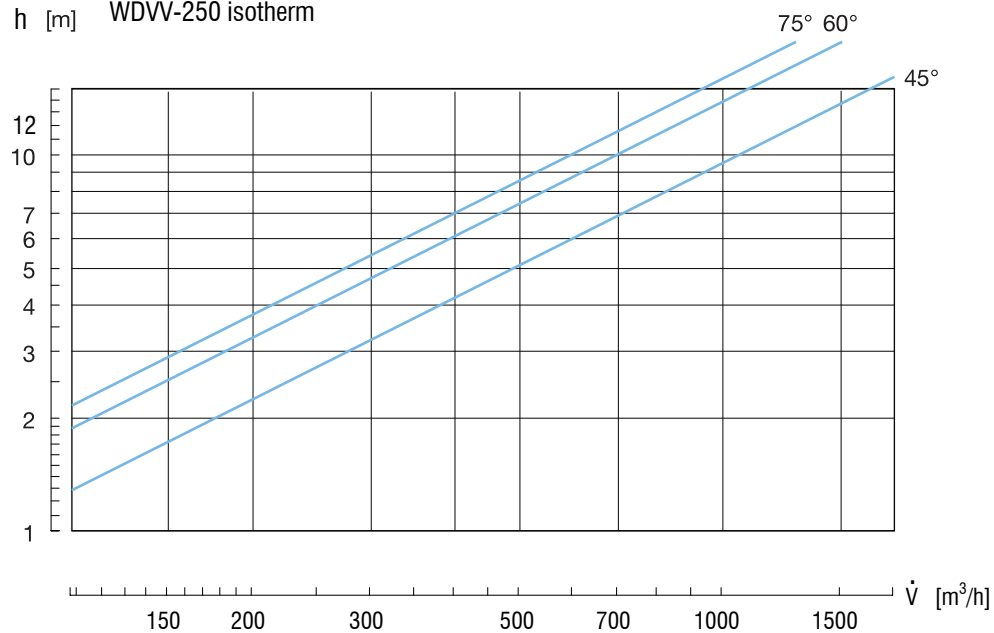
* Diameter 800 op aanvraag

Selectiegegevens

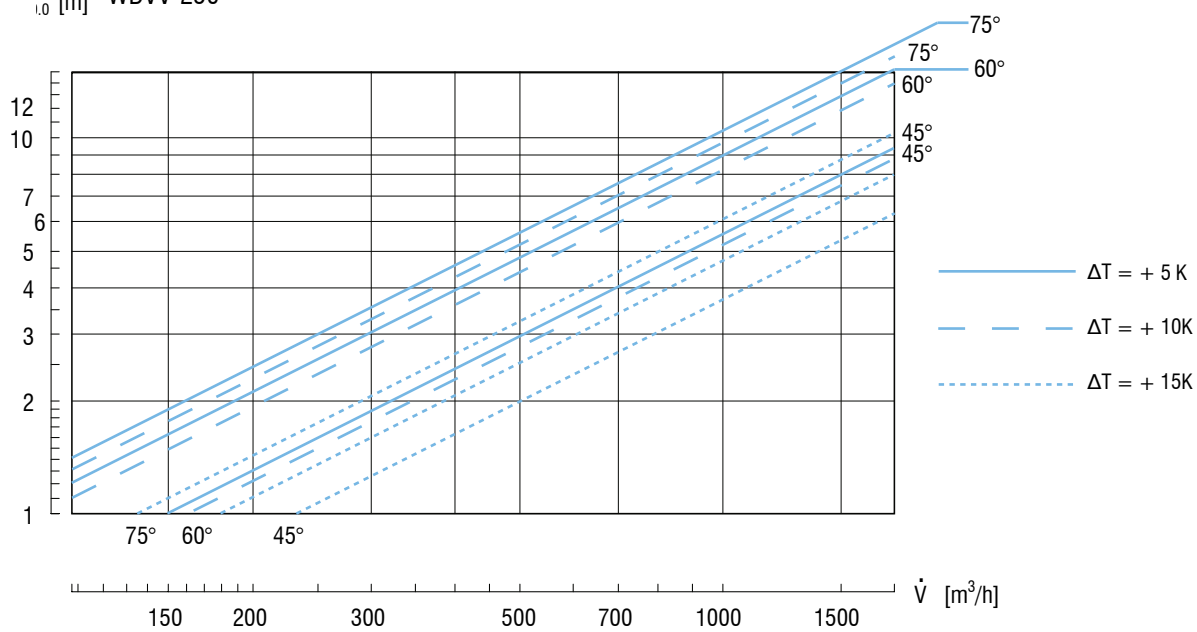


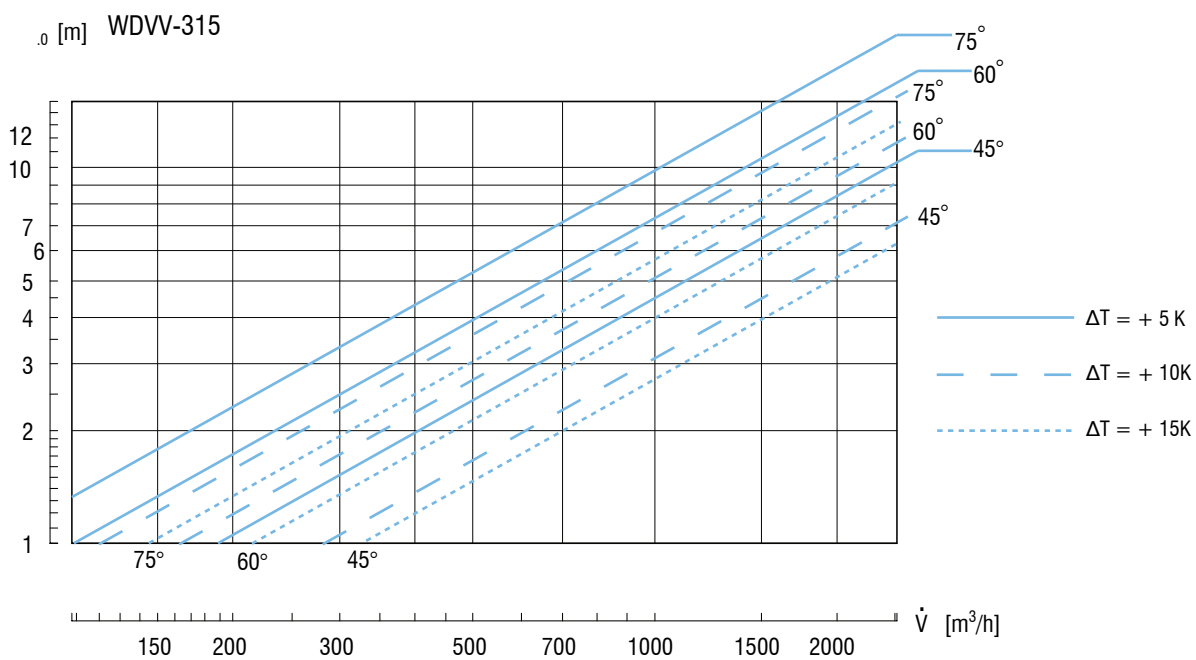
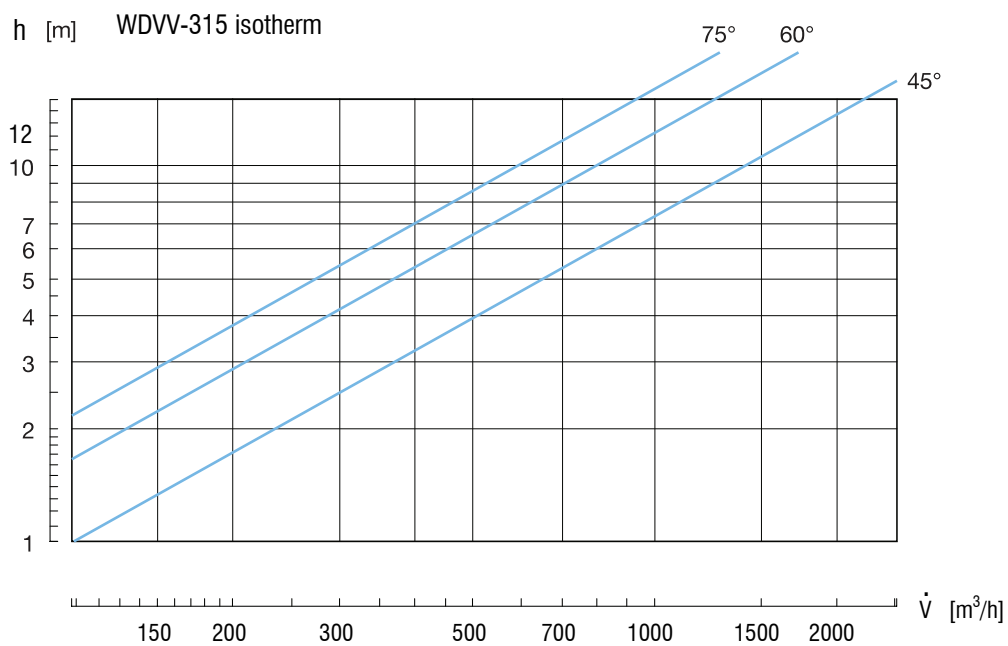
Indien de afstand tussen het rooster en het plafond minder dan 300 mm is, moeten de genoemde waarden in het diagram met 1,4 vermenigvuldigd worden

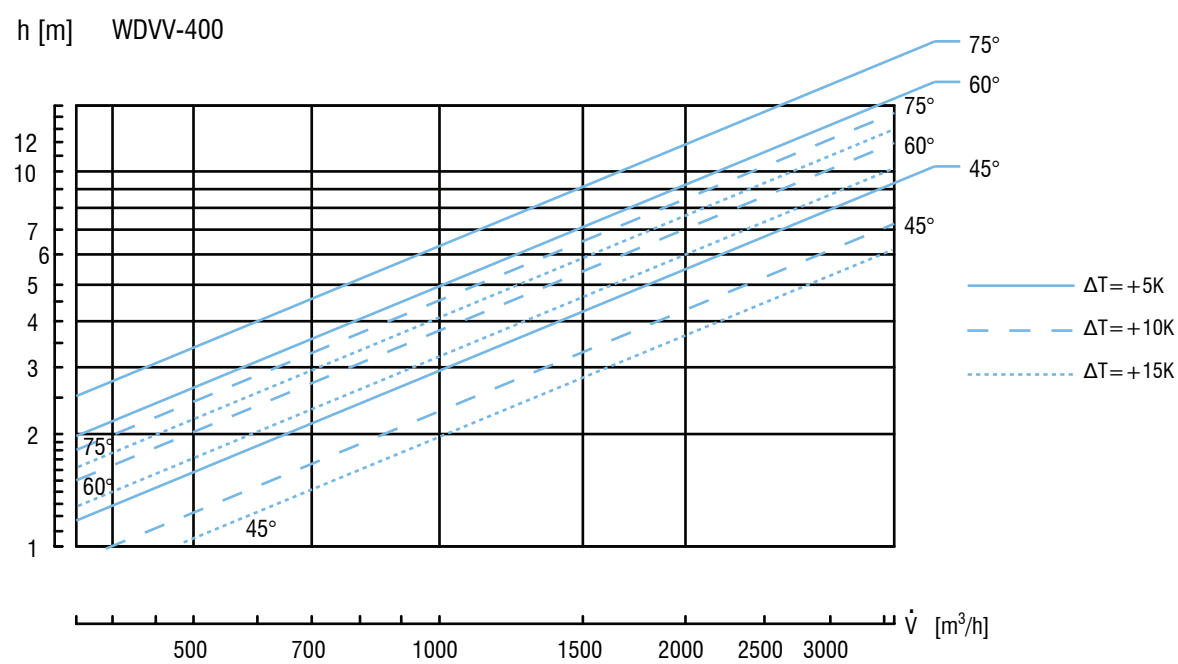
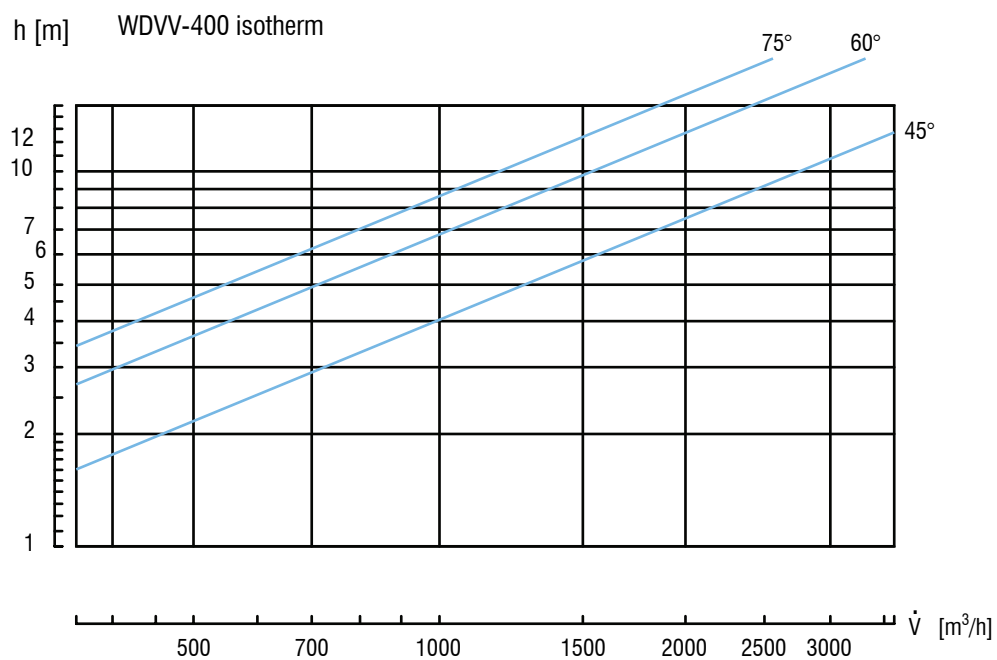
h [m] WDVV-250 isotherm



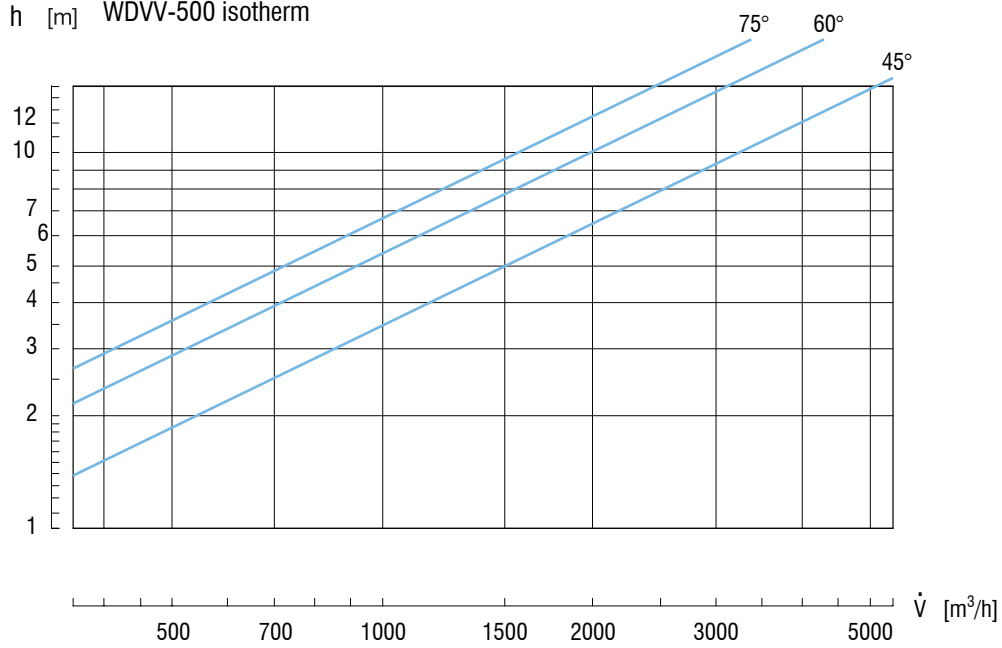
$h_{1.0}$ [m] WDVV-250



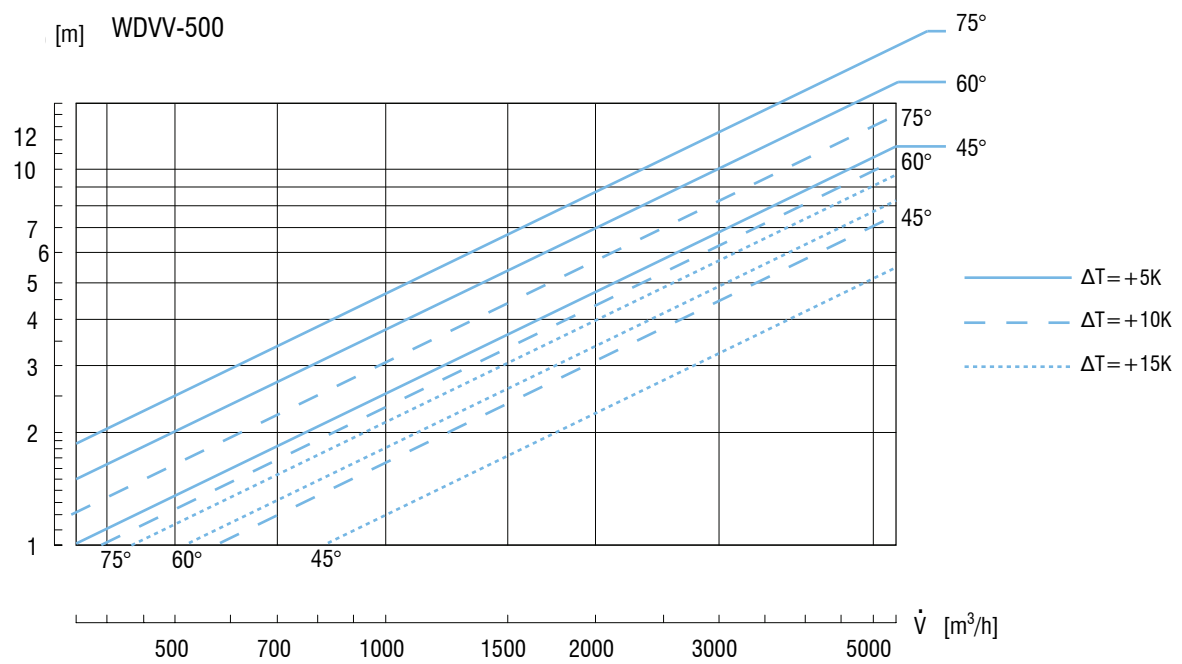


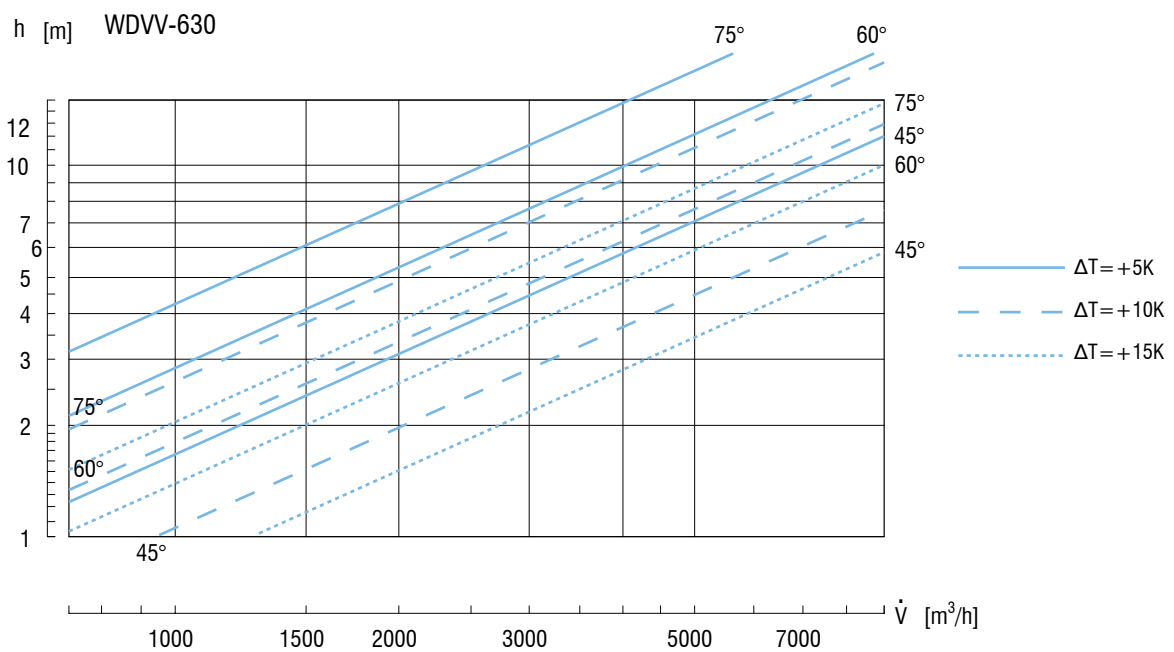
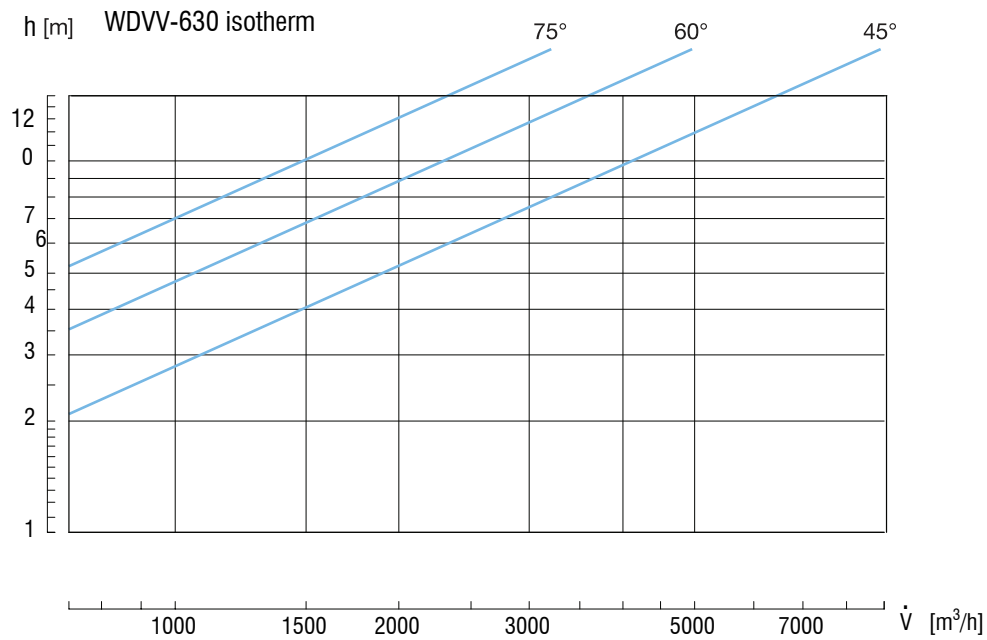


h [m] WDVV-500 isotherm

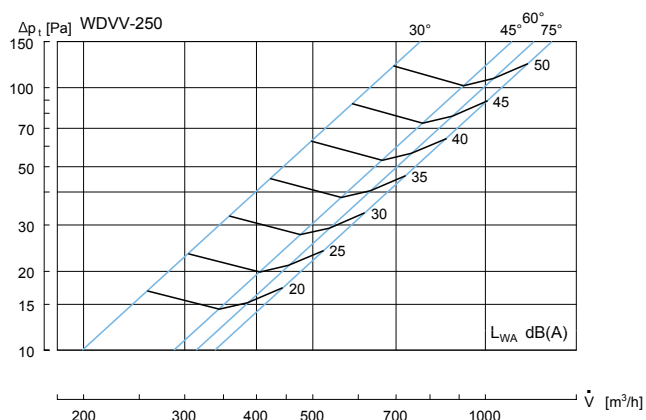


[m] WDVV-500

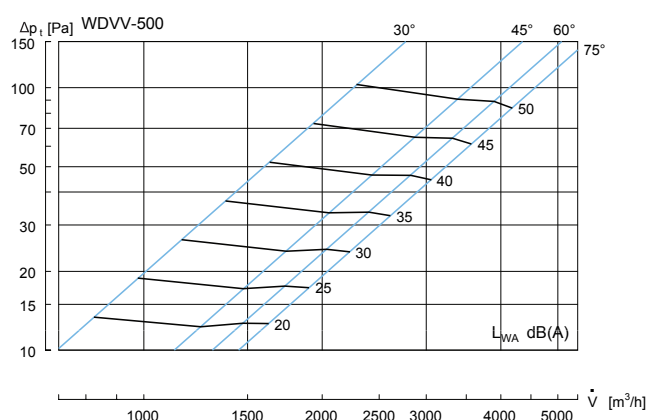




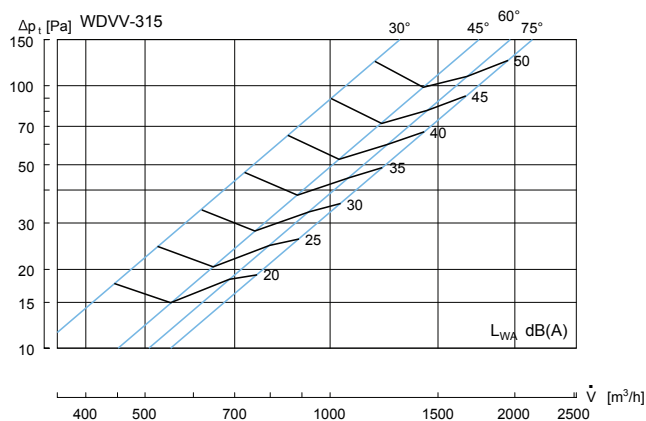
Geluidsniveau en drukverlies



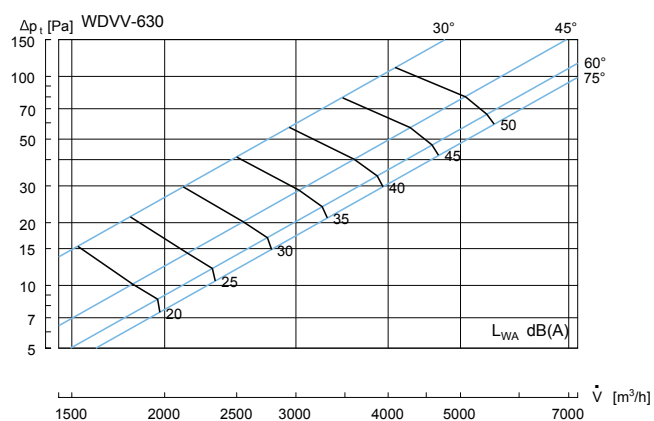
Hz	63	125	250	500	1K	2K	4K	8K
K_{sk}	7	1	-2	-2	-4	-9	-18	-21



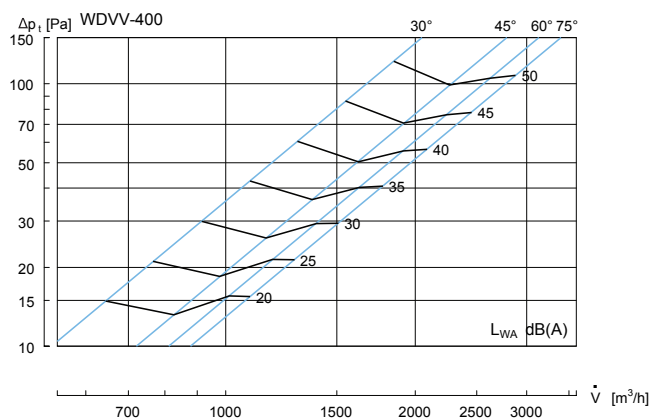
Hz	63	125	250	500	1K	2K	4K	8K
K_{sk}	12	1	-2	-1	-4	-12	-20	-22



Hz	63	125	250	500	1K	2K	4K	8K
K_{sk}	10	2	-1	-3	-4	-10	-17	-21



Hz	63	125	250	500	1K	2K	4K	8K
K_{sk}	15	5	0	-2	-5	-12	-18	-22



Hz	63	125	250	500	1K	2K	4K	8K
K_{sk}	12	1	-2	-2	-3	-13	-20	-23

Voorbeeld:

Gegeven:

WDVV 500
isotherm
 $h = 5 \text{ m}$
 $V = 1500 \text{ m}^3/\text{h} = 1500 \text{ m}^3/3600 \text{ s}$

Oplossing:

Diagram pag. 8
Hoek 45°
 $\Delta p = 17 \text{ Pa}$
 $L_{WA} = 25 \text{ dB(A)}$



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