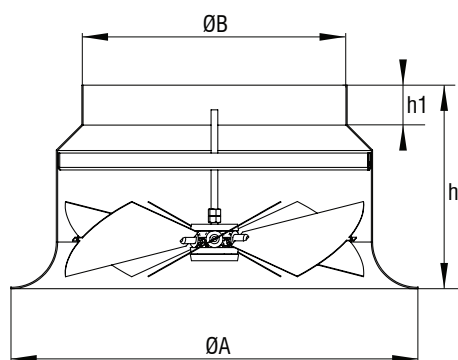




WDVV

- Ceiling diffuser for room heights from 4 to 10m.
- Made out of steel sheet, standard RAL 9010
- Adjustable blade angle
- Fixing with screws

Options

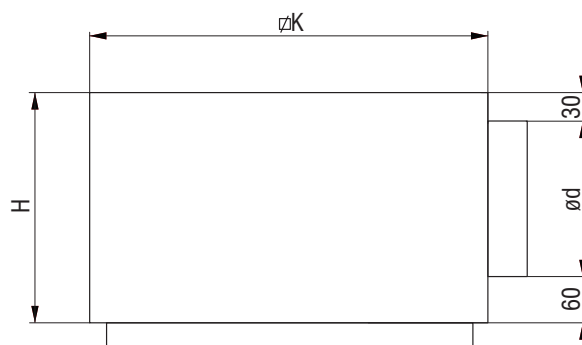
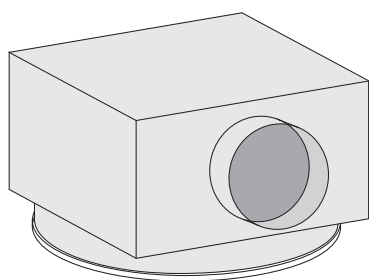
- Plenum box
- Manual drive
- Motor drive
- Thermostat drive
- RAL...

Dimensions

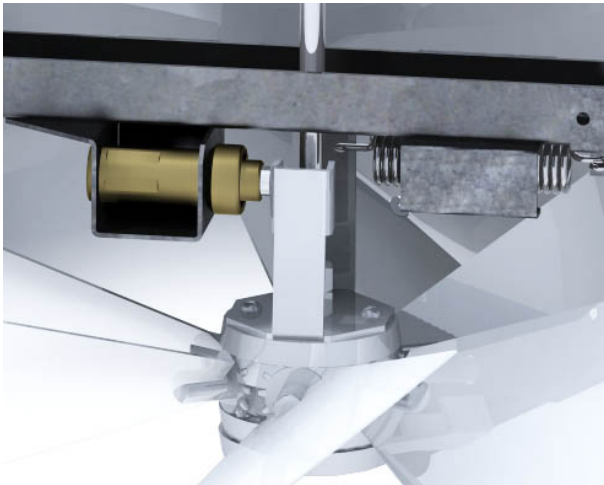
Diameter	A _{ef} [m²]	ØB [mm]	ØA [mm]	h [mm]	h1 [mm]	ØK [mm]	H [mm]	Ød [mm]
250	0,048	248	417	230	40	410	295	250
315	0,077	313	491	250	40	510	360	315
400	0,125	398	615	265	50	510	445	400
500	0,195	498	796	320	50	610	545	500
630	0,310	628	935	370	40	710	675	630
800*	0,503	798	1142	451	40			

*Size 800 at special request

Plenum box for WDVV

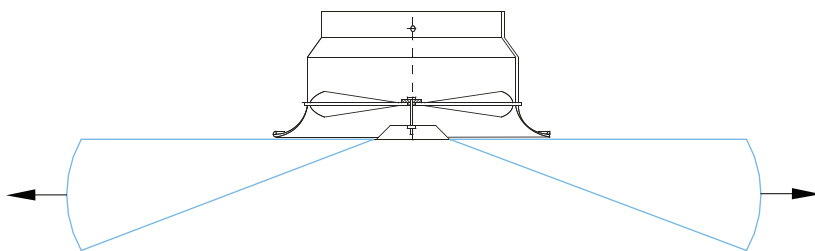


Thermostat drive

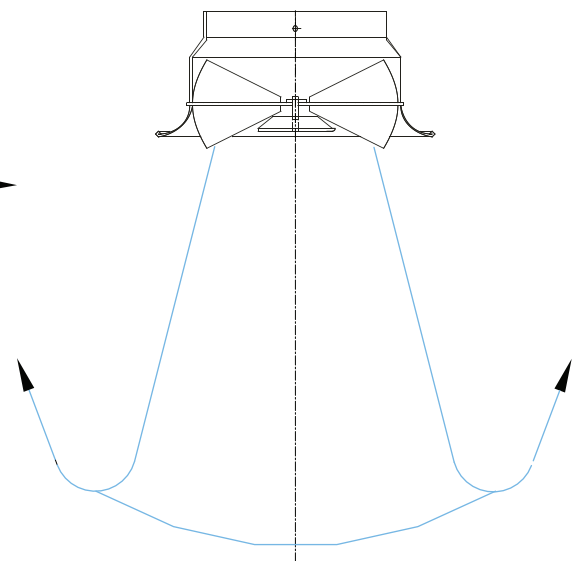


- adjusting throw distance , according to temperature of supply air.
- no additional power supply needed

Cooling mode



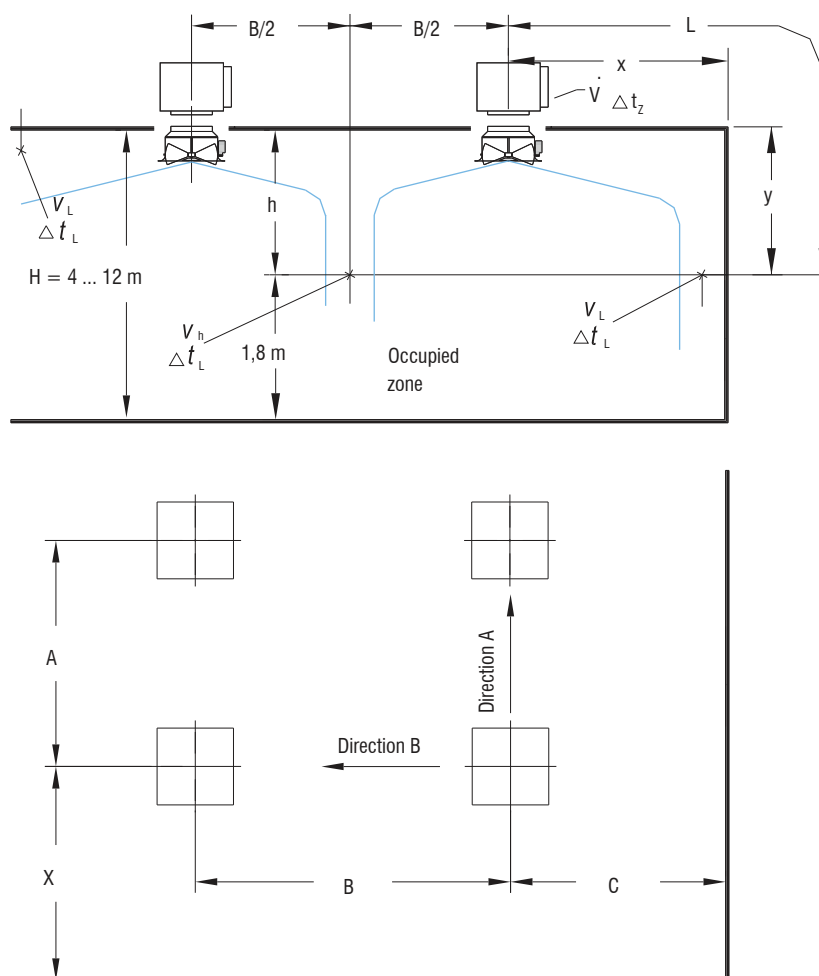
Heating mode



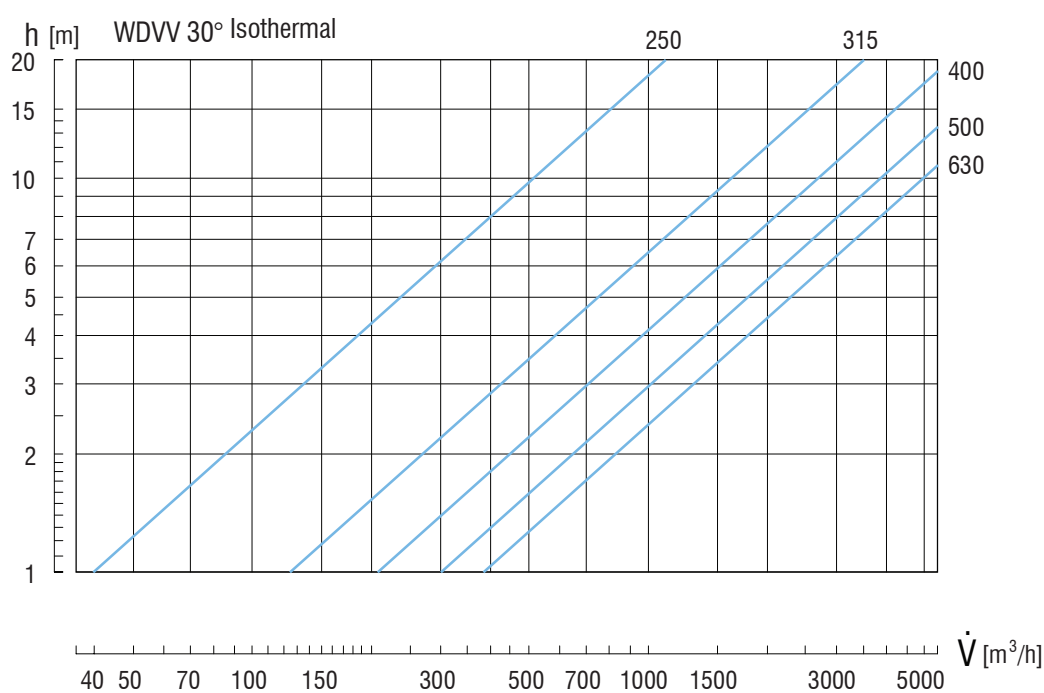
Ordering key:

Type	WDVV - 500 - M230 - OZ - PL - ød
Size	
R - manual drive	
M230 - motor drive 230V	
M24 - motor drive 24V	
T - thermostat drive (no power supply)	
OZ - two positions	
K - continuous	
Plate 595x595 (installation in suspended ceiling)	
Connection diameter	
*Screws are not delivered	

DISCHARGE DIAGRAM

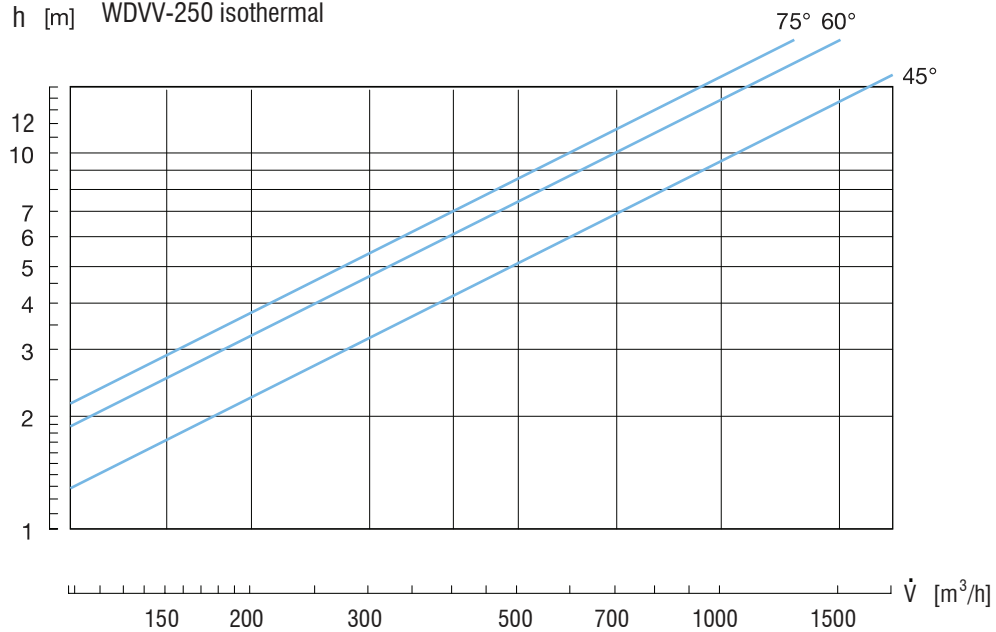


SELECTION DIAGRAM

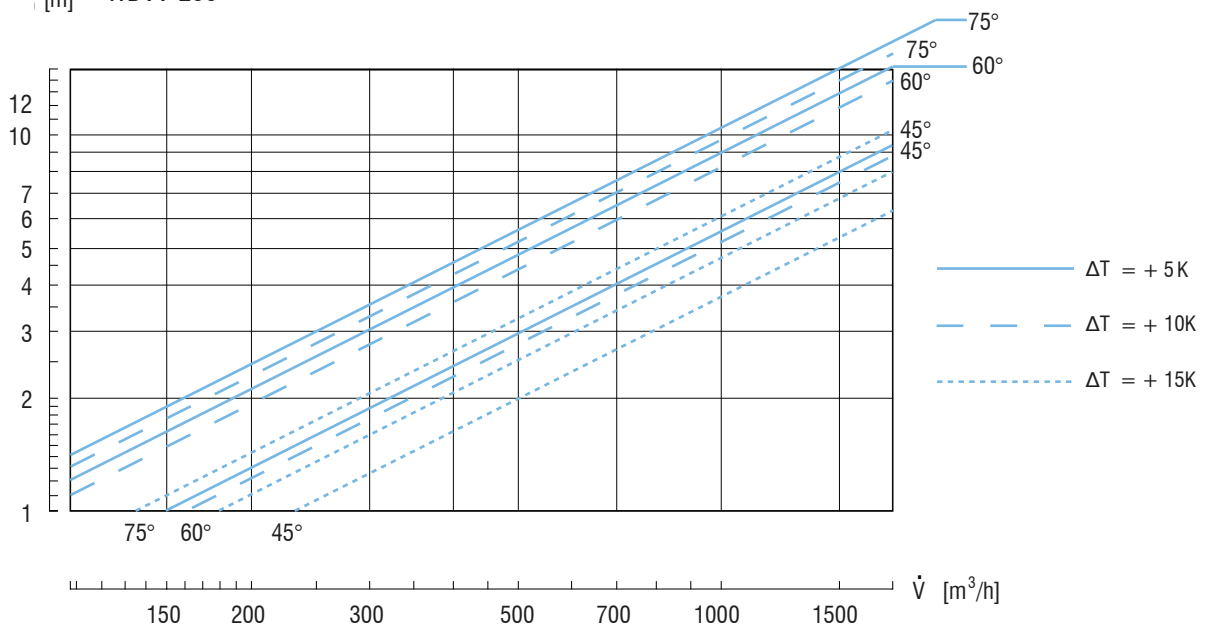


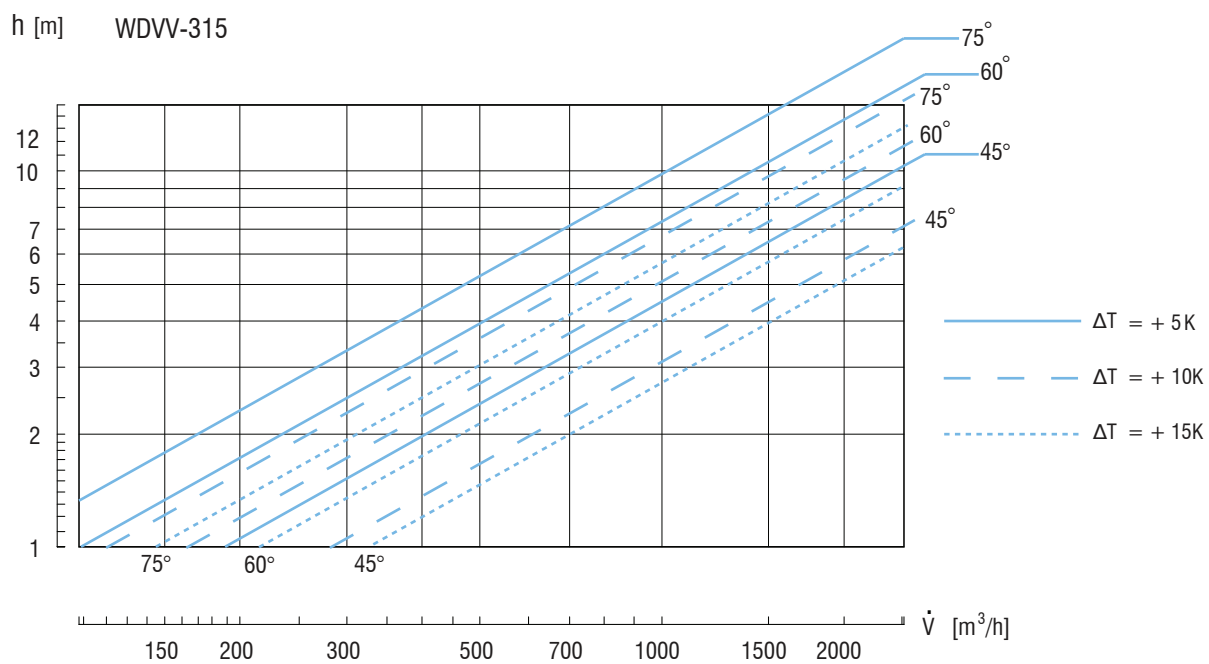
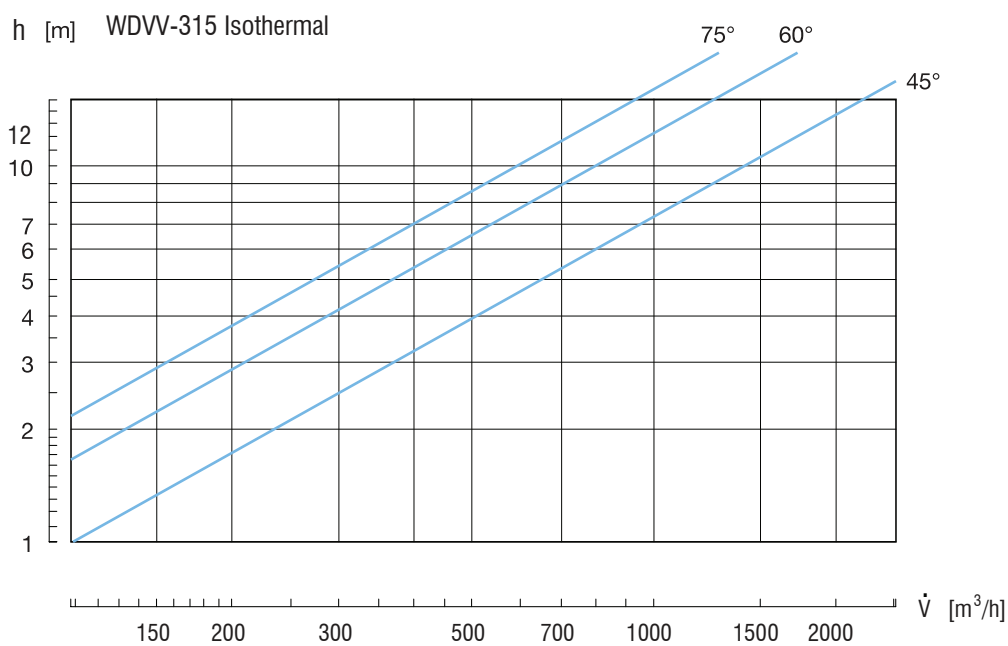
If installed less than 300mm from ceiling, values from diagrams should be multiplied by 1.4

h [m] WDVV-250 isothermal

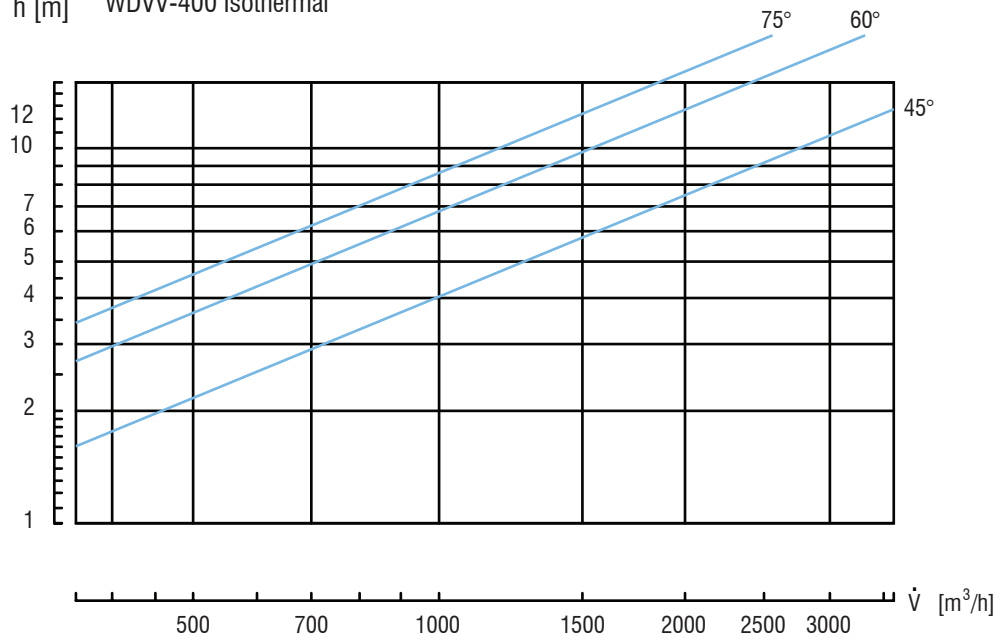


h [m] WDVV-250

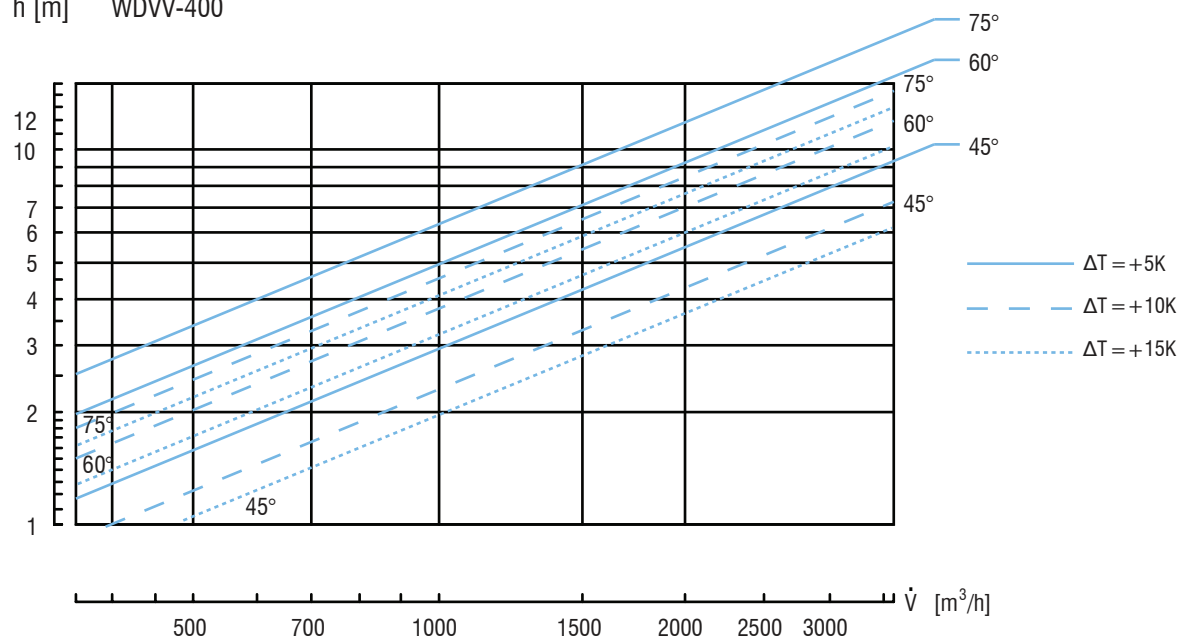




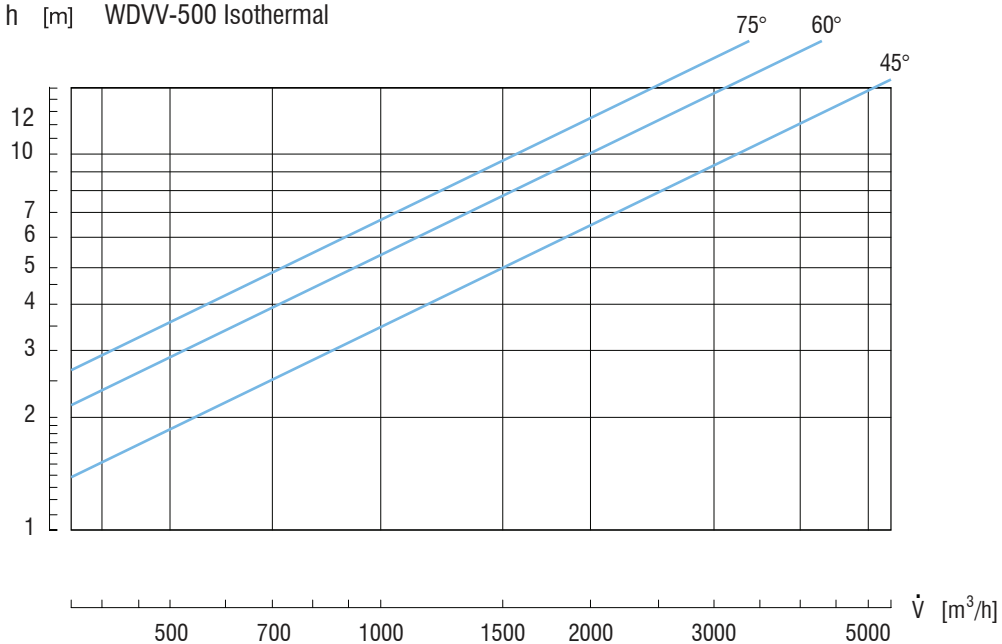
h [m] WDVV-400 Isothermal



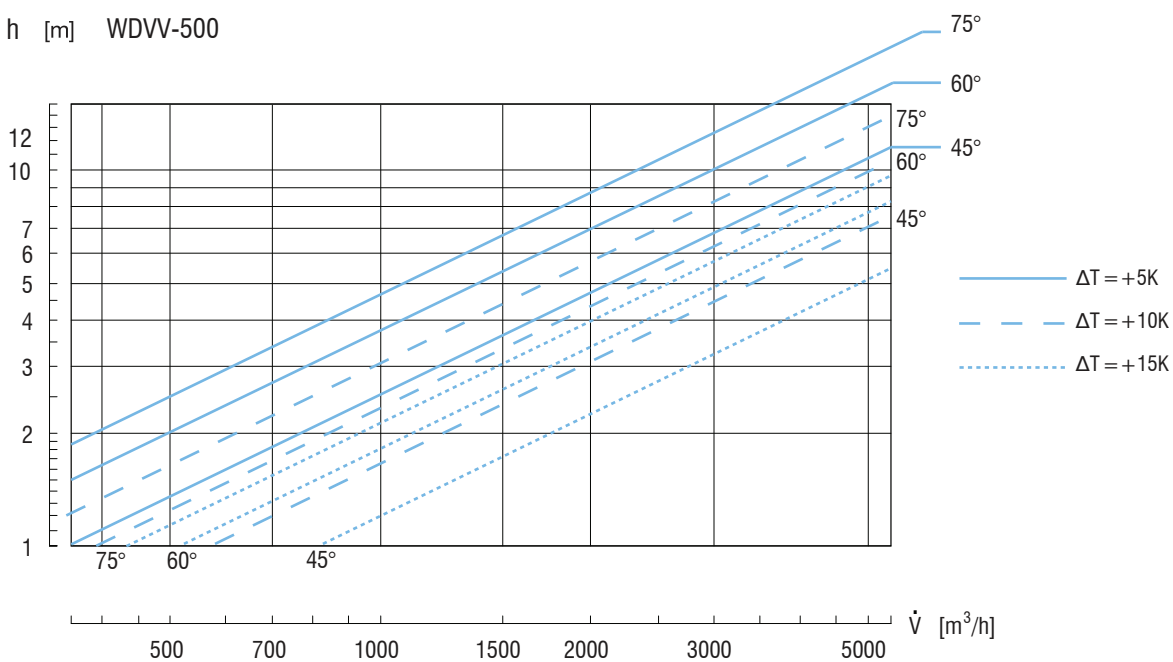
h [m] WDVV-400

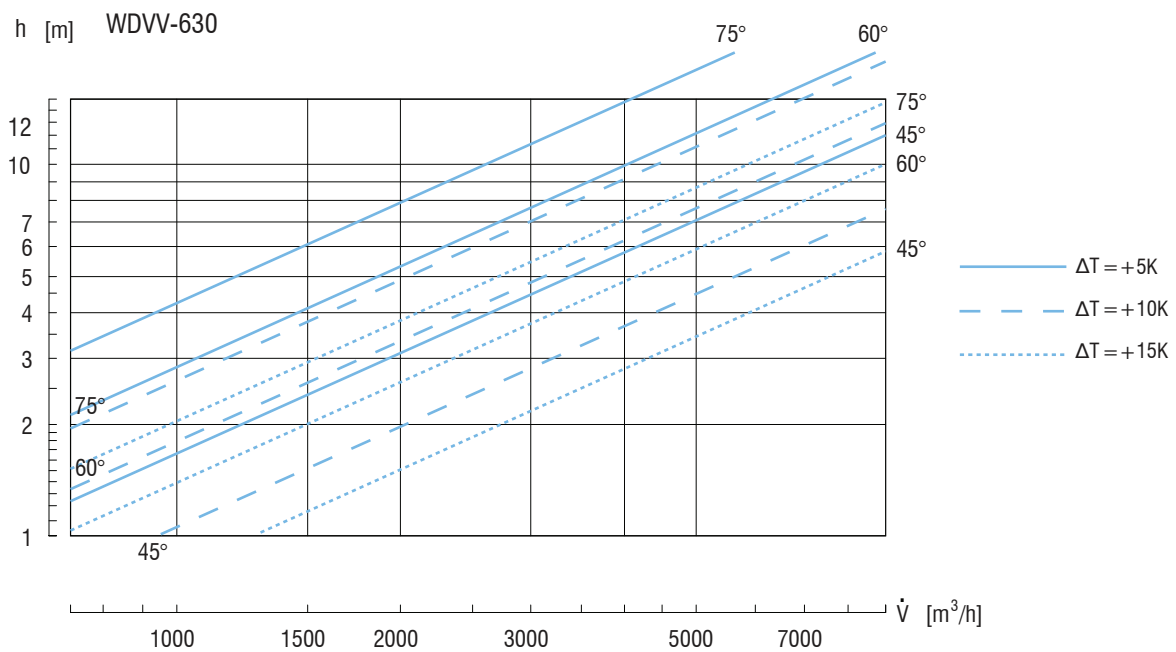
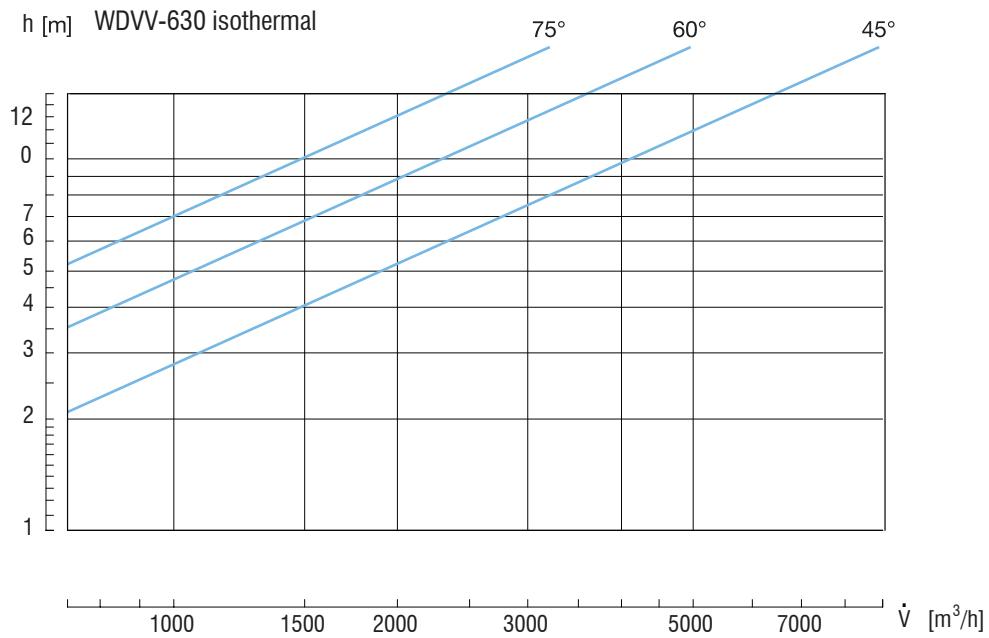


h [m] WDVV-500 Isothermal

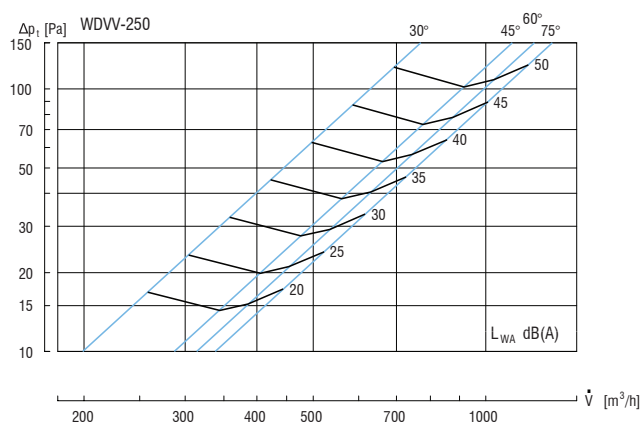


h [m] WDVV-500

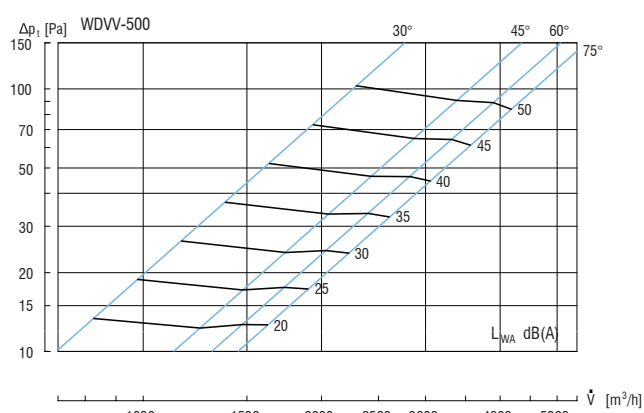




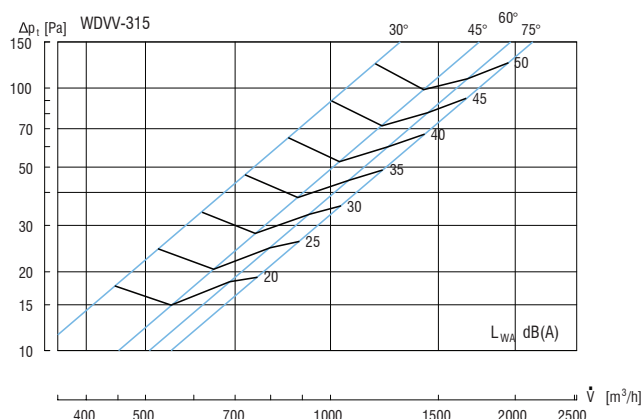
Sound level and pressure drop



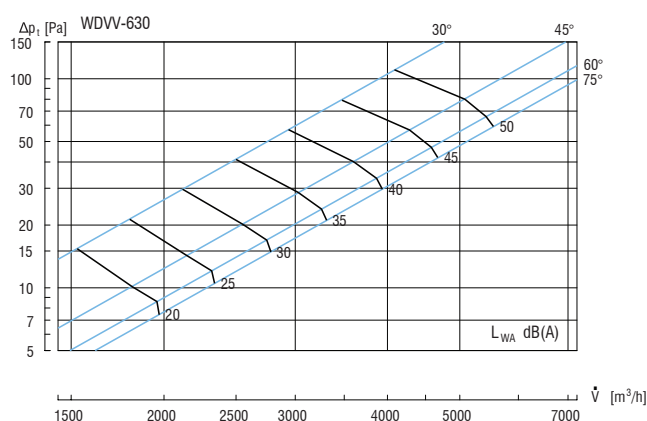
Hz	63	125	250	500	1K	2K	4K	8K
K_{ak}	7	1	-2	-2	-4	-9	-18	-21



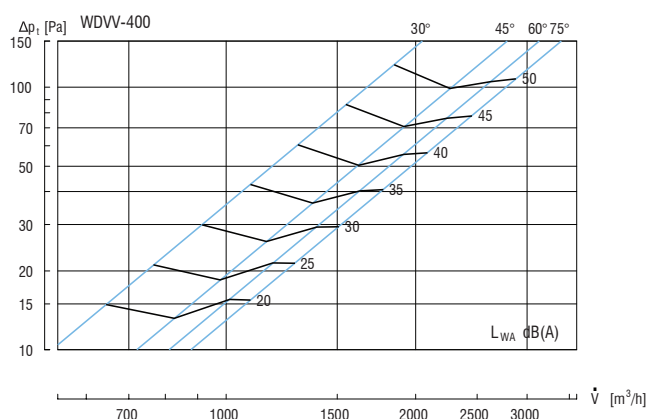
Hz	63	125	250	500	1K	2K	4K	8K
K_{ak}	12	1	-2	-1	-4	-12	-20	-22



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



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



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

Example:

Tip WDVV 500
isothermal flow
 $h = 5$ m
 $V = 1500$ m³/h

Diagram pg. 8
Angle 45°
Diagram pg. 10
 $\Delta p = 17$ Pa
 $L_{WA} = 25$ dB (A)