



Characteristics

Variable geometry diffusers.

Material

Casing in aluminium, blades in steel with simultaneously movable.

Finish

White epoxy powder paint RAL 9010.

Fixing

Fixing by screws located on the diffuser's neck.

Models

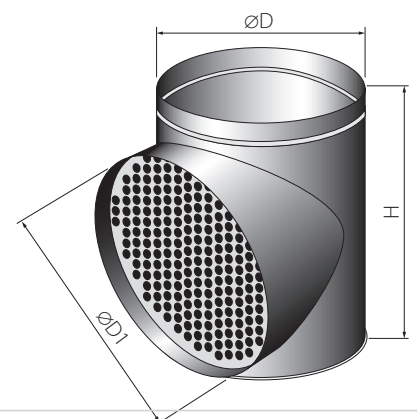
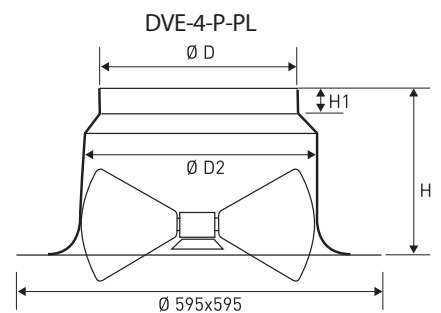
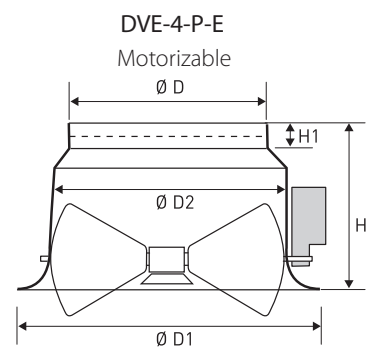
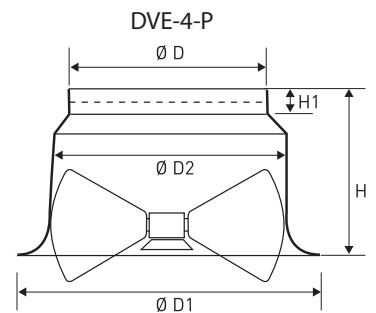
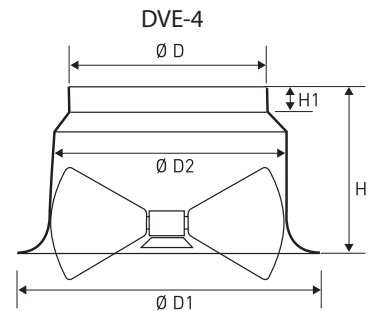
DVE-4: diffuser with manually and simultaneously movable blades.

DVE-4-P: diffuser with manually and simultaneously movable blades, with equalizer.

DVE-4-P-E: diffuser with simultaneously movable blades by motor drive, with equalizer.

DVE-4-P-PL: diffuser with manually and simultaneously movable blades, with equalizer, made on 595x595 panel.

DVE-4-T: diffuser with thermostatic actuator.

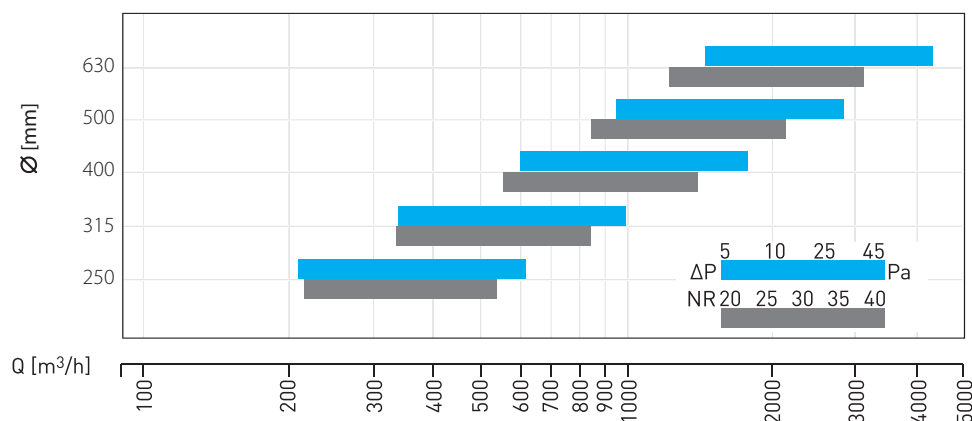


Dimensions

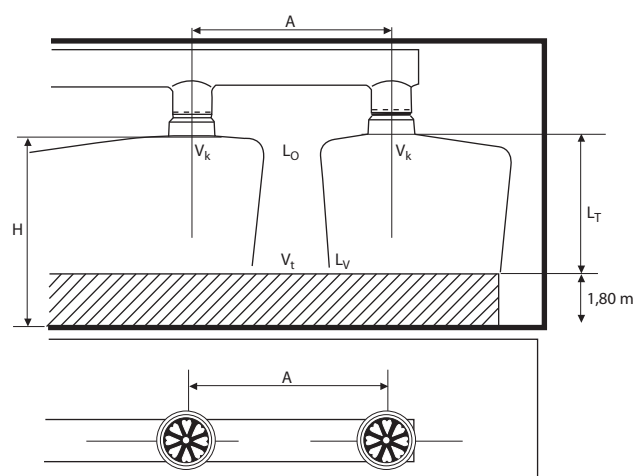
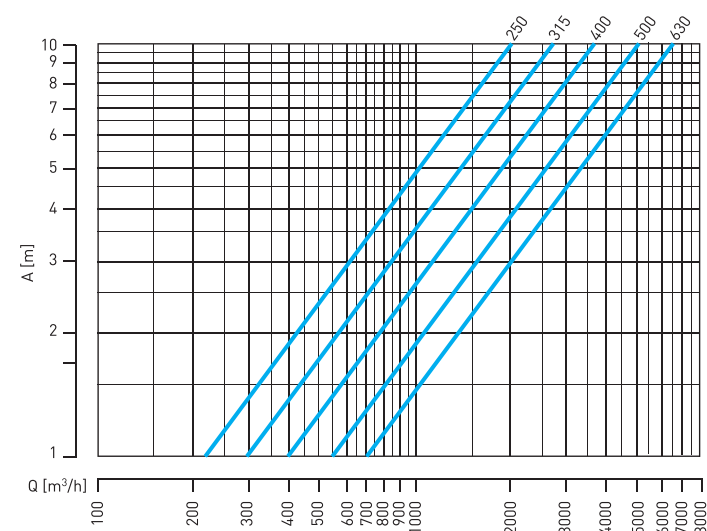
Ø [mm]	DVE-3				
	Ø D	Ø D1	Ø D2	H	H1
250	248	400	315	200	40
315	313	475	375	235	40
400	398	600	460	260	50
500	498	785	570	315	60
630	628	920	700	320	80

SYMBOL	DESCRIPTION
Q	Air flow (m ³ /s or m ³ /h)
NR	Sound level
DP	Pressure drop (Pa)
V_k	Air delivery velocity (m/s)
A	Distance between diffusers (m)
H	Height (m)
H_o	Height – Occupation zone (1,80 m)
V_t	Air delivery velocity (m/s)
L_o	Throw horizontal (m)
L_v	Throw vertical (m)
L_t	L _v (Throw) on V _t = 0,20 m/s
Δt	Difference between the supply air temp. and room air temp.
a	Blades - tilt

Quick selection diagram



Distance between diffusers

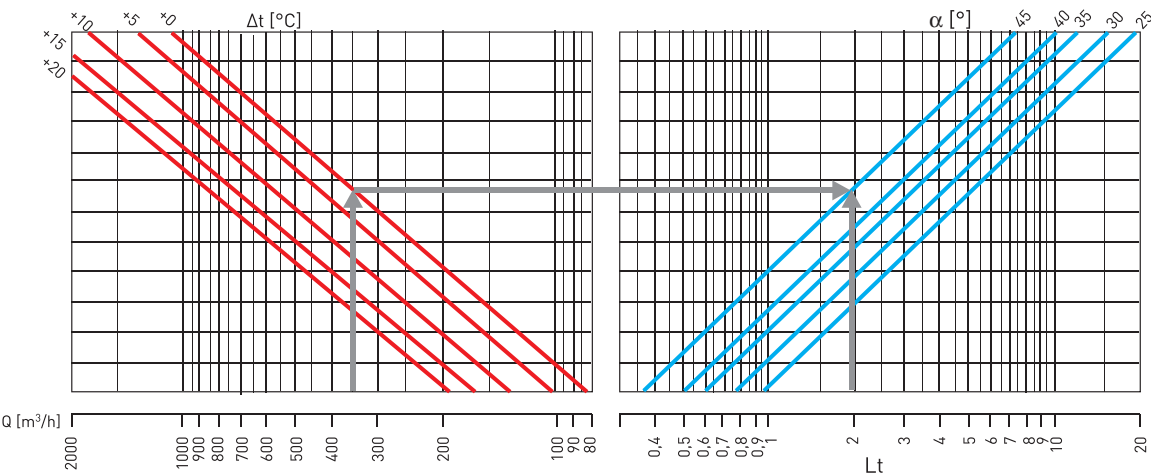


Order key

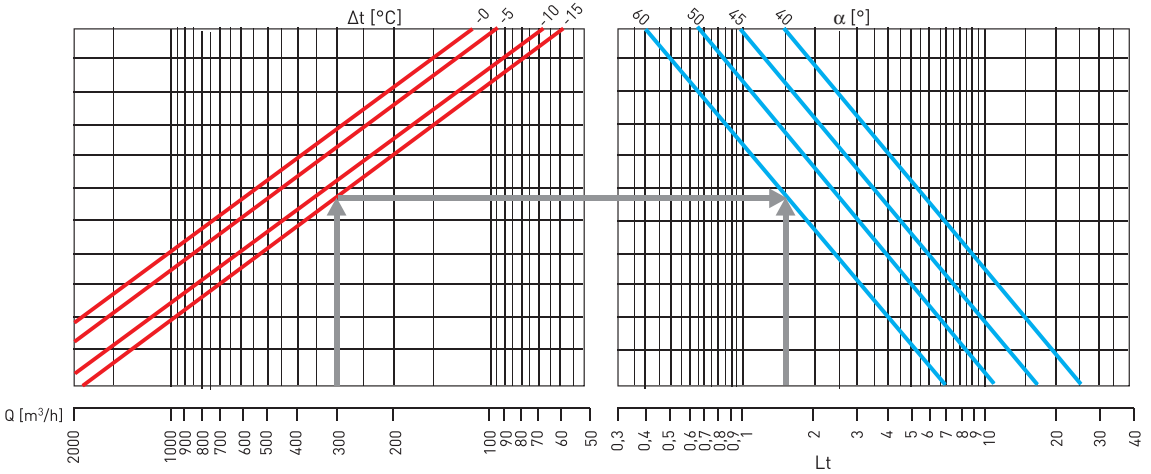
DVE-4 - E - P - PL / 315

- Size
- Platte [595 x 595 mm]
- Perforated sheet
- Manual operation
- E - Prepared for drive
- T - Thermostatic regulation
- Variable diffuser

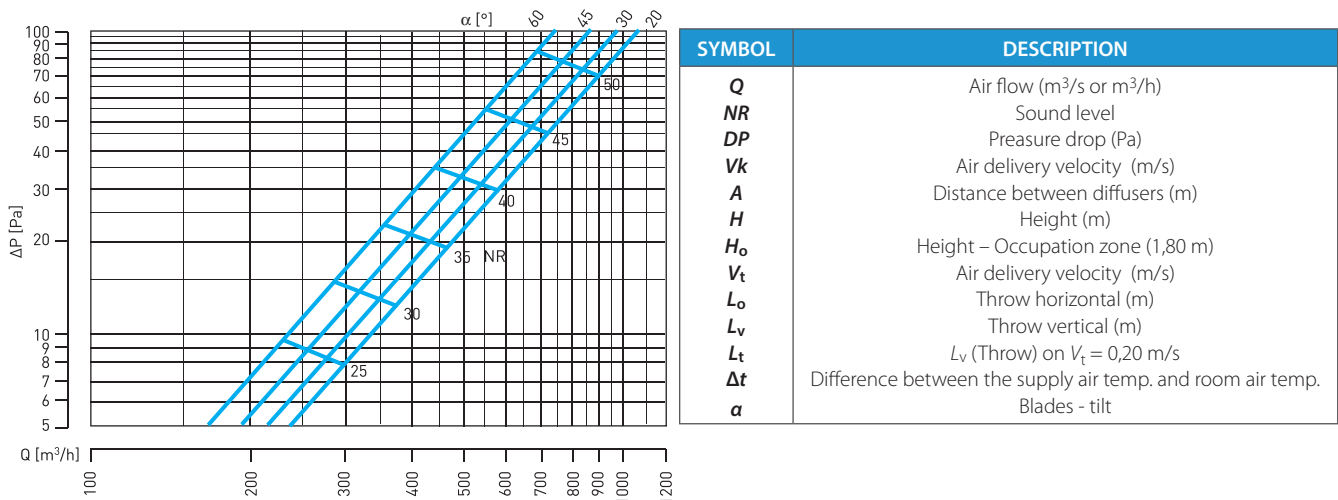
Throw – heating – DVE-4 Ø 250



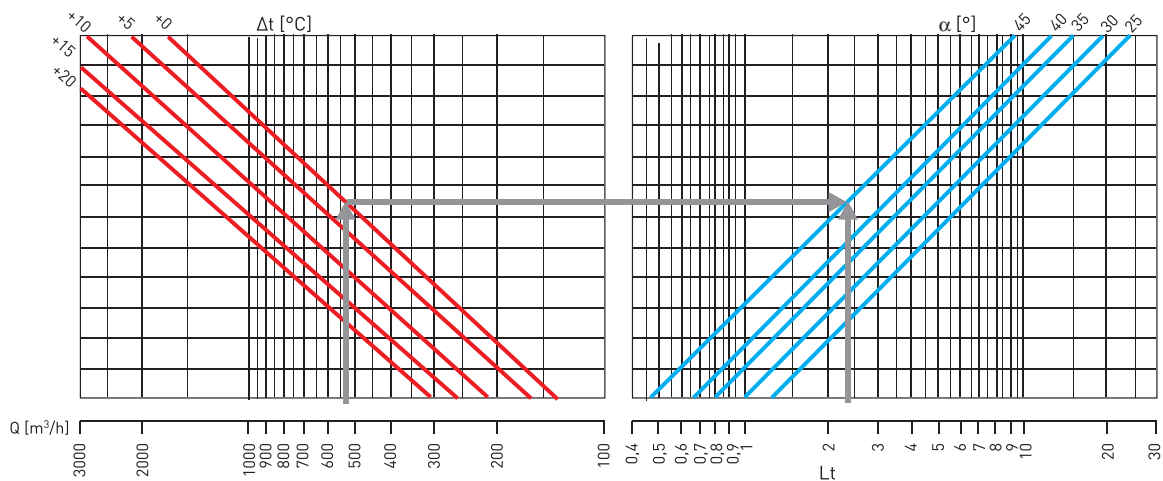
Throw – cooling – DVE-4 Ø 250



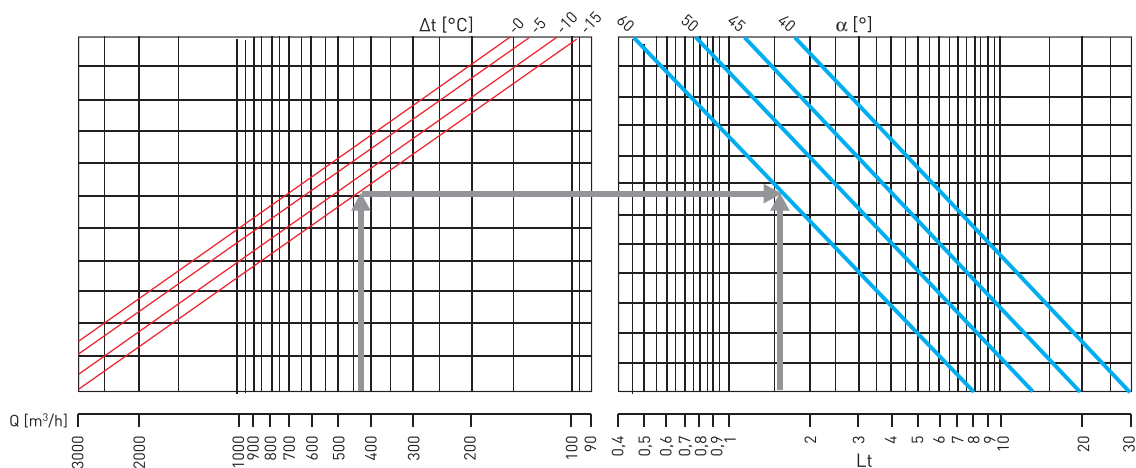
Pressure drop and noise level – DVE-4 Ø 250



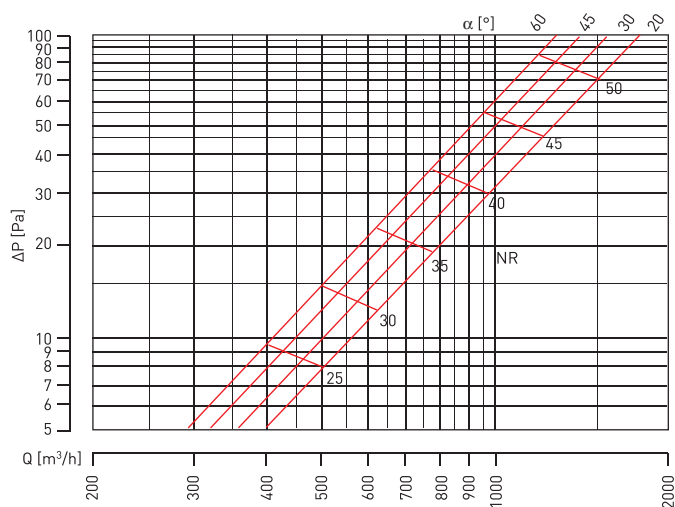
Throw – heating – DVE-4 Ø 315



Throw – cooling – DVE-4 Ø 315

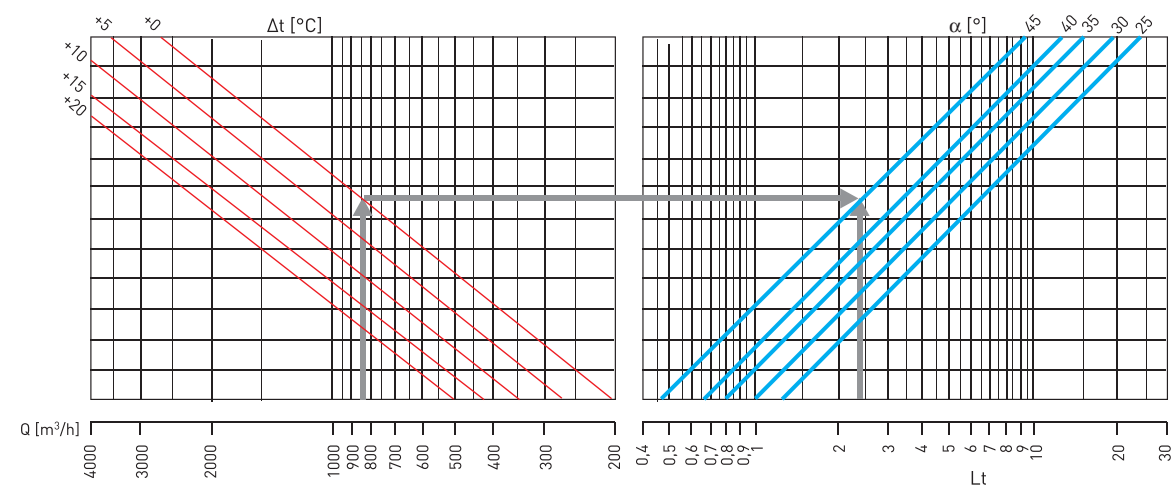


Pressure drop and noise level – DVE-4 Ø 315

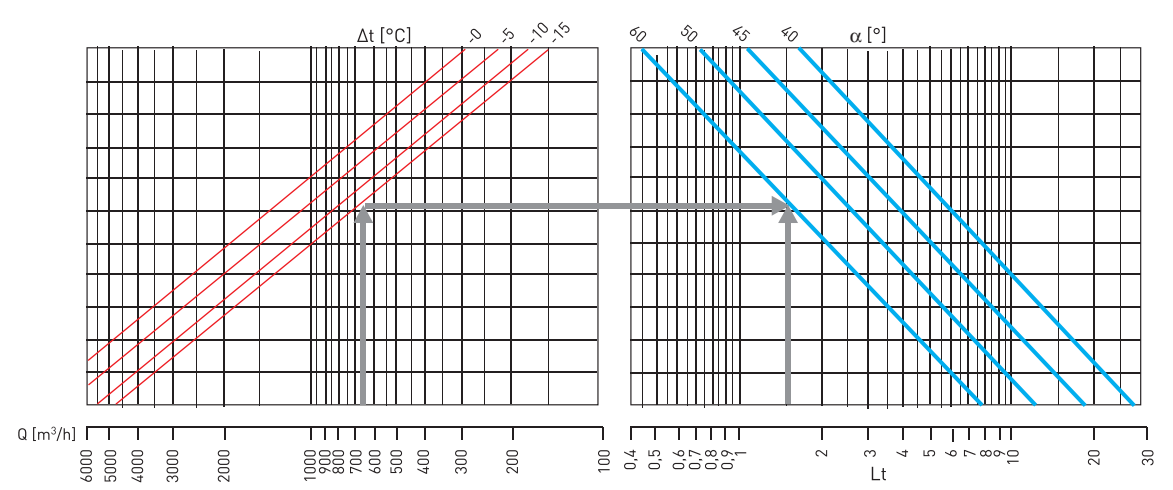


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L_v	Throw vertical (m)
L_t	L _v (Throw) on V _t = 0,20 m/s
Δt	Difference between the supply air temp. and room air temp.
a	Blades - tilt

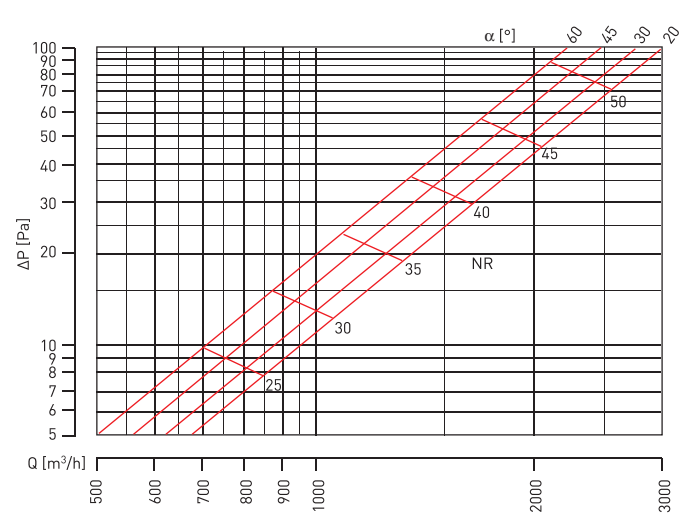
Throw – heating – DVE-4 Ø 400



Throw – cooling – DVE-4 Ø 400

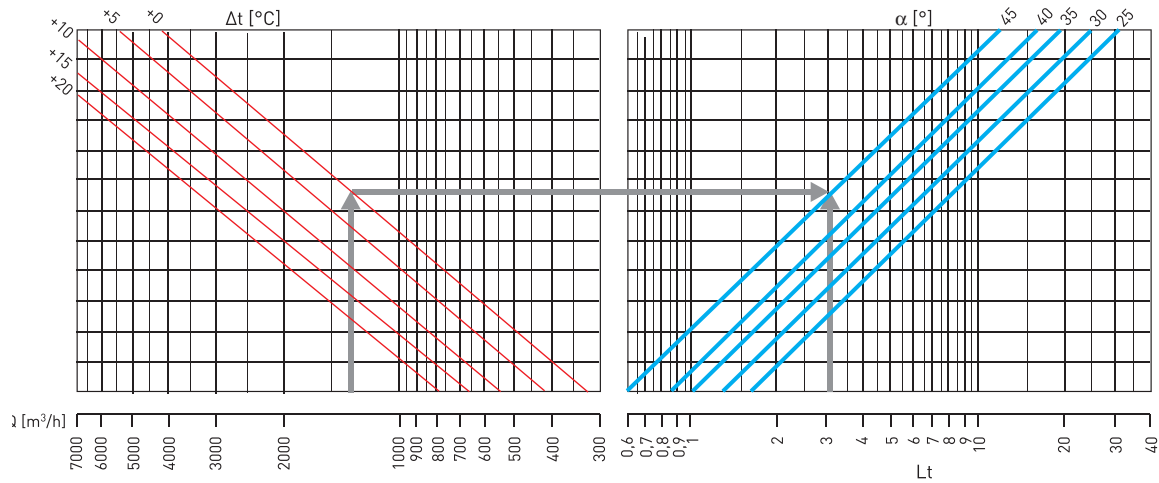


Pressure drop and noise level – DVE-4 Ø 400

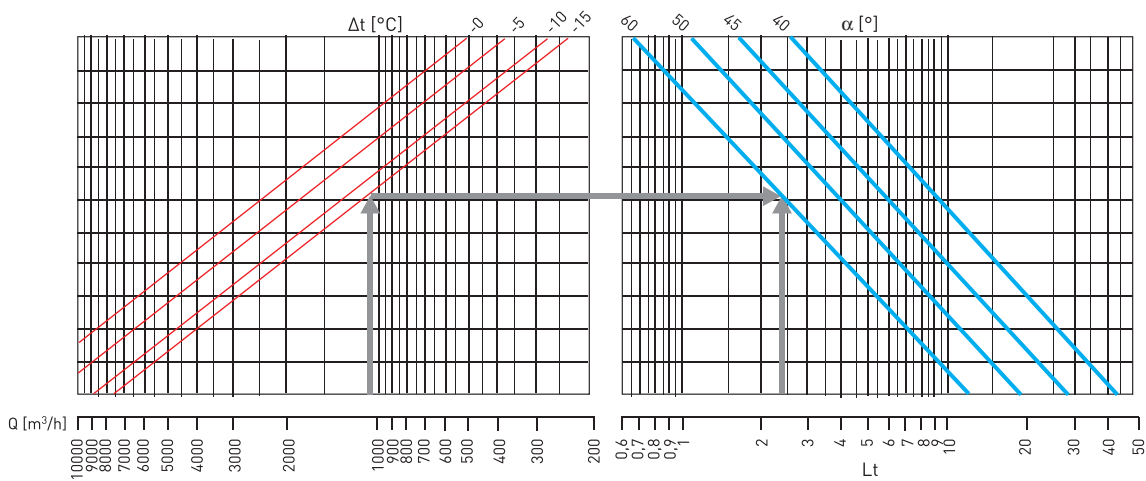


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Δt	Difference between the supply air temp. and room air temp.
α	Blades - tilt

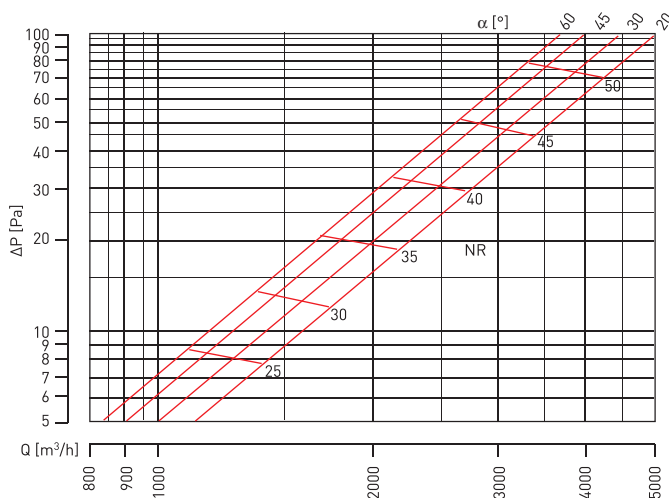
Throw – heating – DVE-4 Ø 500



Throw – cooling – DVE-4 Ø 500

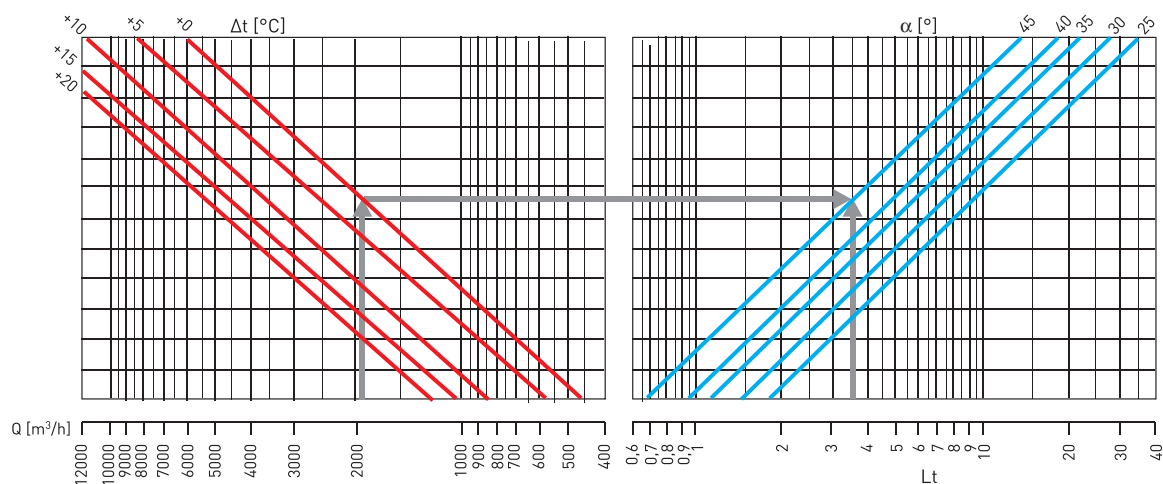


Pressure drop and noise level – DVE-4 Ø 500

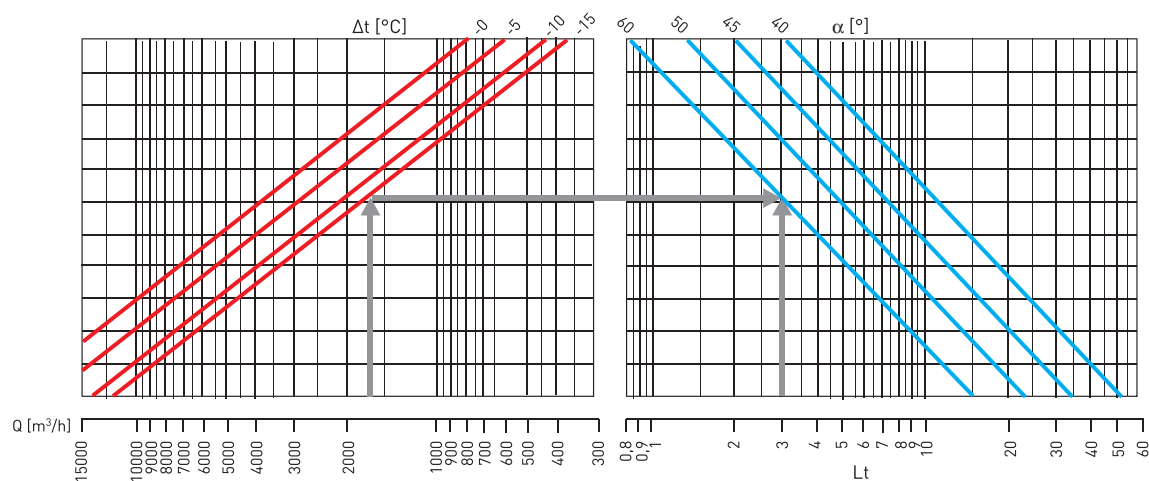


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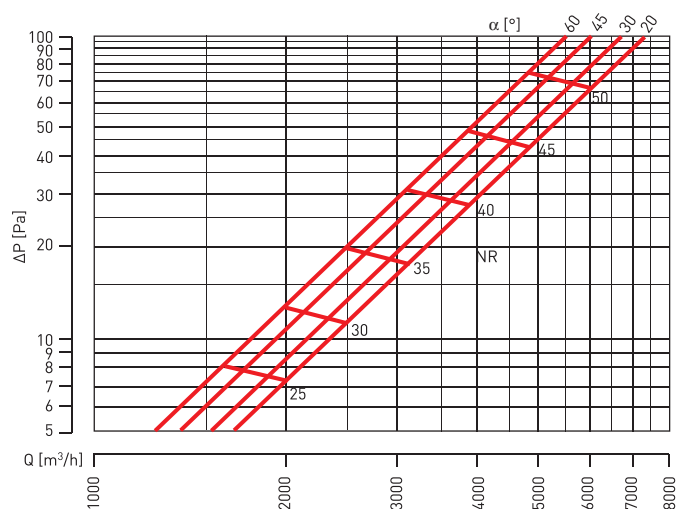
Throw – heating – DVE-4 Ø 630



Throw – cooling – DVE-4 Ø 630

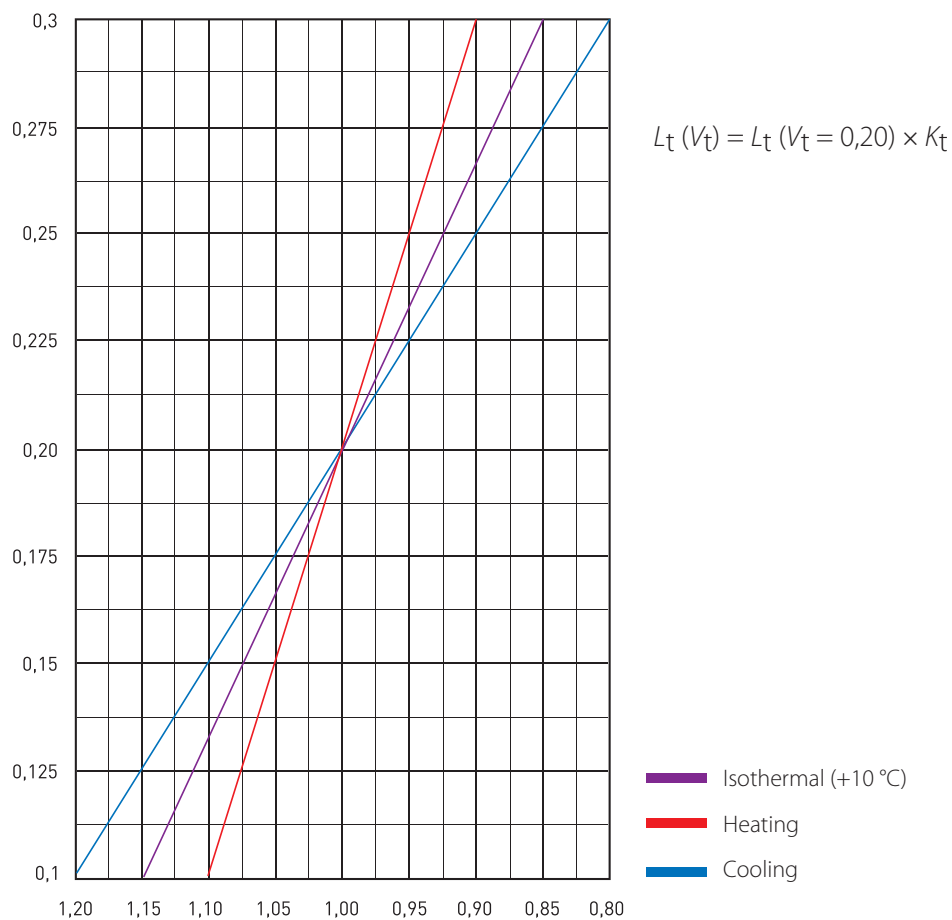


Padec tlaka in nivo hrupa – DVE-4 Ø 630



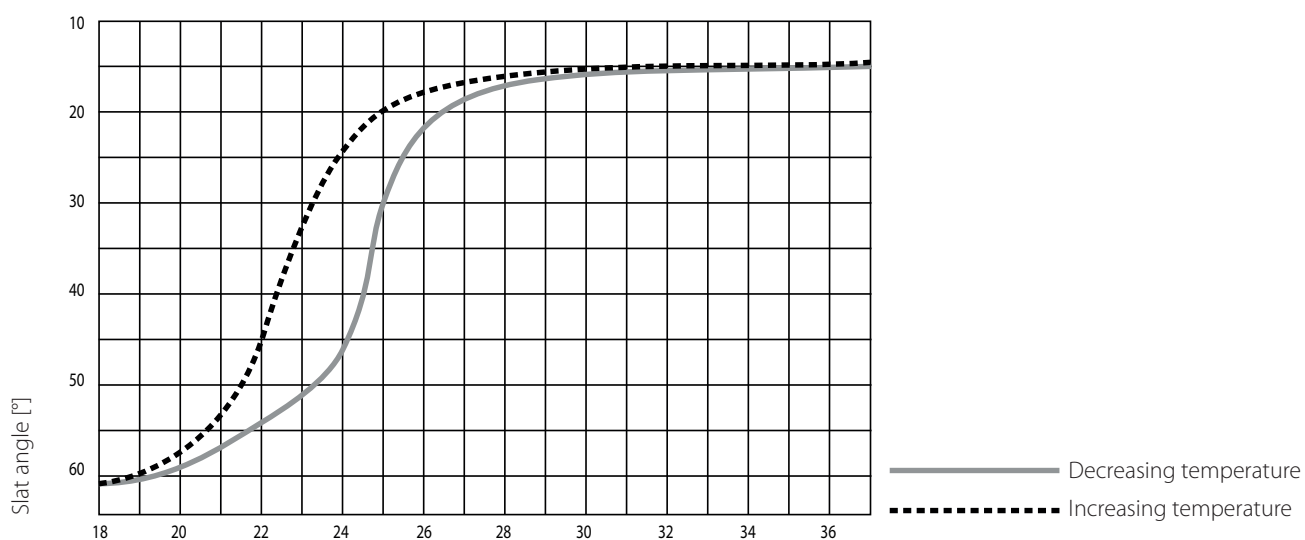
Simbol	Opis
Q	Zračni tok (m^3/s ali m^3/h)
NR	Nivo hrupa
DP	Padec tlaka (Pa)
V_k	Hitrost dovodnega zraka (m/s)
A	Distance med difuzorji (m)
H	Višina (m)
H_o	Višina – delovno območje (1,80 m)
V_t	Hitrost dovodnega zraka (m/s)
L_o	Vodoravna dometna Distance zračnega curka (m)
L_v	Navpična dometna Distance zračnega curka (m)
L_t	L_v (Throw) ali $V_t = 0,20 \text{ m/s}$
Δt	Razlika med temperaturo dovodnega zraka in temperaturo zraka v prostoru.
α	Naklon lamel

Correction KT for LT



Thermostatic regulation

The diagram below shows how the angle of blades depends on temperature.



Thermal actuator feels temperature and adjusts angle of the blades automatically. Temperature range is from 18 °C to 36 °C. Additional source of energy and electric installation is unnecessary.