

- 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-3: diffuser with manually and simultaneously movable blades.
 - DVE-3-P: diffuser with manually and simultaneously movable blades, with equalizer.
 - DVE-3-P-E: diffuser with simultaneously movable blades by motor drive, with equalizer.
 - DVE-3-P+FP: diffuser with manually and simultaneously movable blades, with equalizer, made on 595x595 panel.
 - DVE-3-T: diffuser with thermostatic actuator.

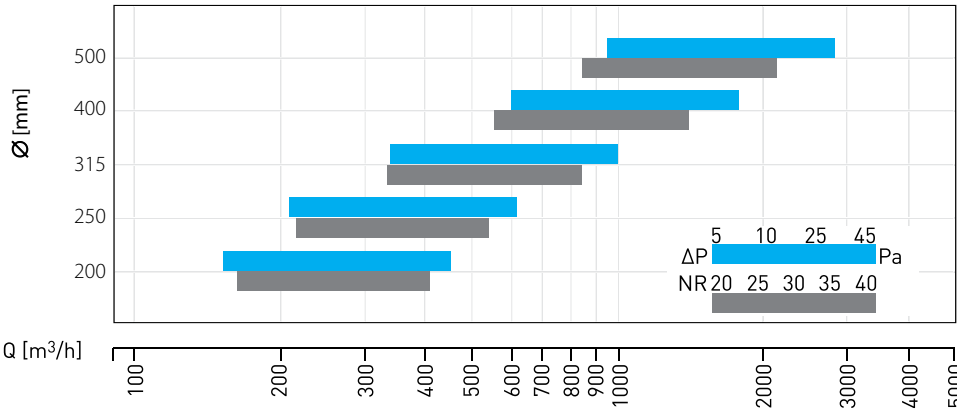
Dimensions Ø mm

Ø = 200 250 315 400 500

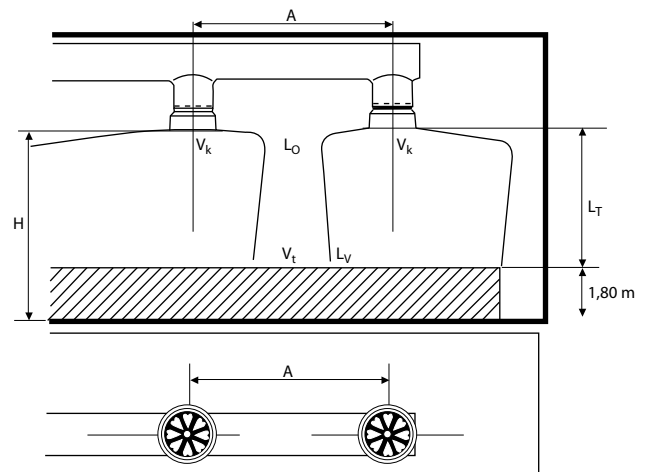
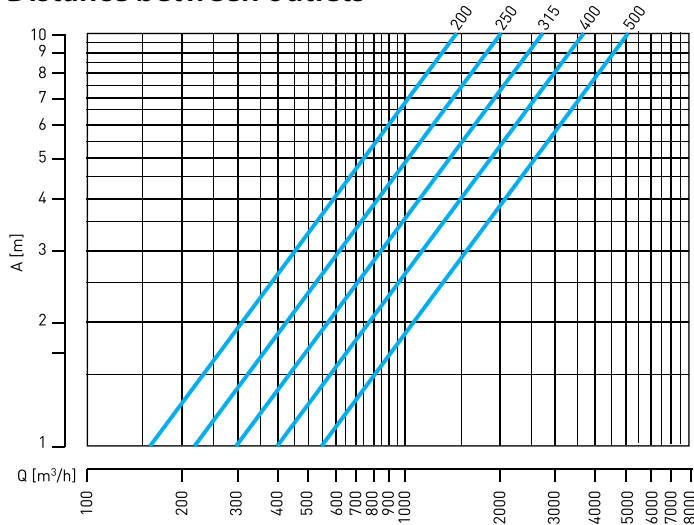
Ø	DVE-3				
	Ø D	Ø D1	Ø D2	H	H1
200	198	310	242	174	40
250	248	400	315	200	40
315	313	475	375	235	40
400	398	600	460	260	50
500	498	785	570	315	60

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

Quick selection diagram



Distance between outlets

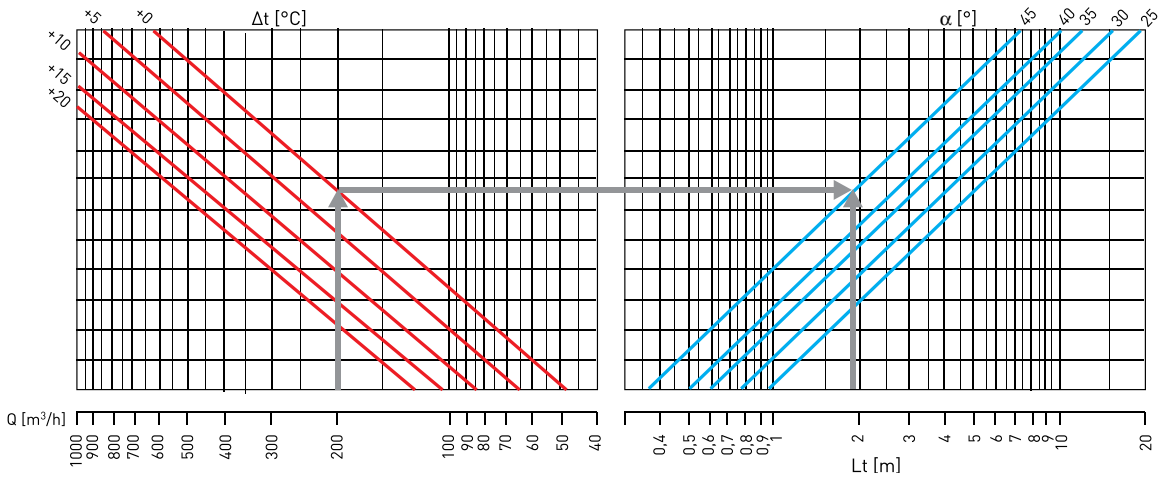


Ordering key

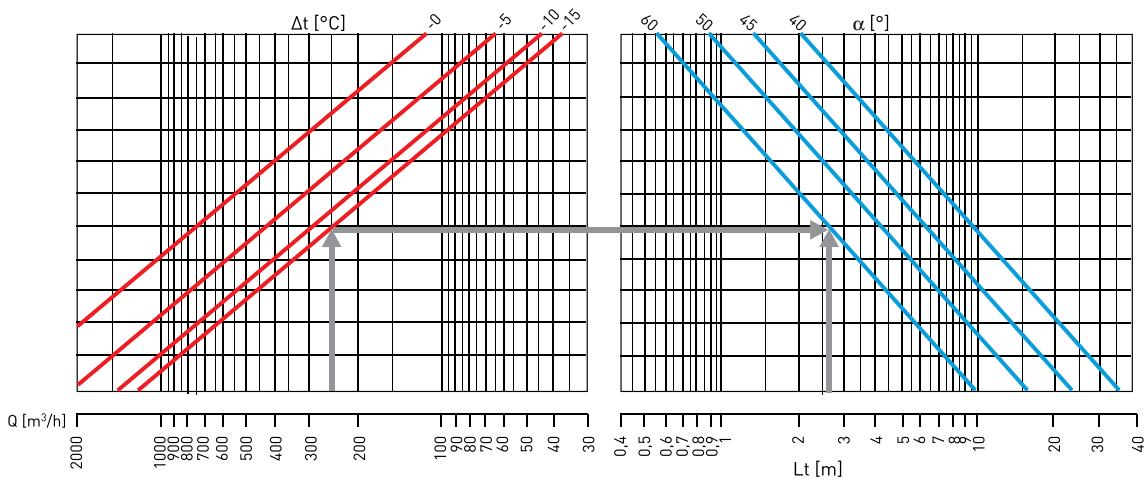
DVE-3 - E - P - PL / 315

- Variable diffuser
- E - Prepared for drive
- P - Perforated sheet
- PL - Platte [595 × 595 mm]
- / 315 - Size
- - Manual operation
- T - Thermostatic regulation

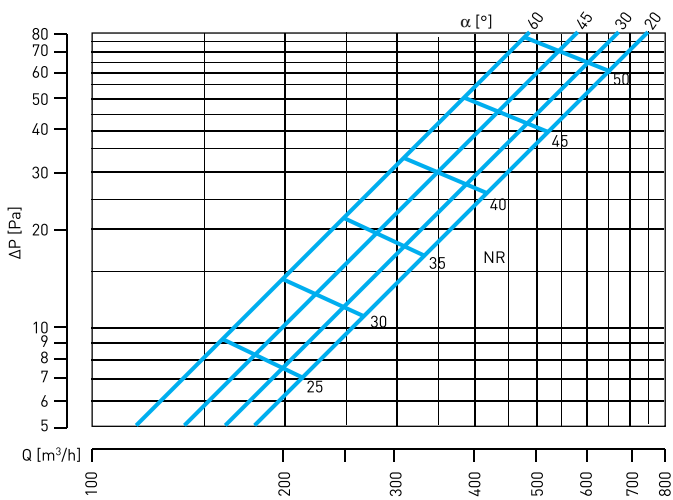
Throw – heating – DVE-3 Ø 200



Throw – cooling – DVE-3 Ø 200

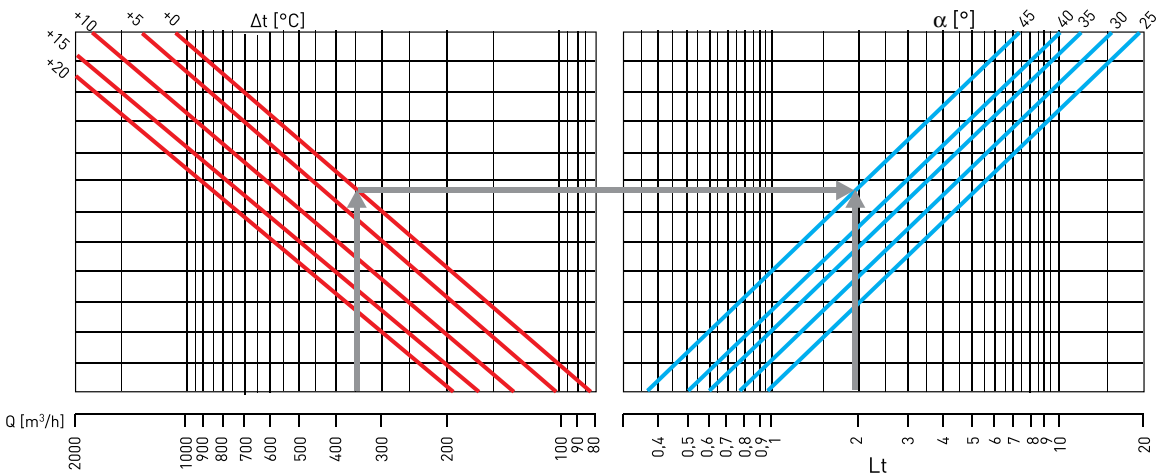


Pressure drop and noise level – DVE-3 Ø 200

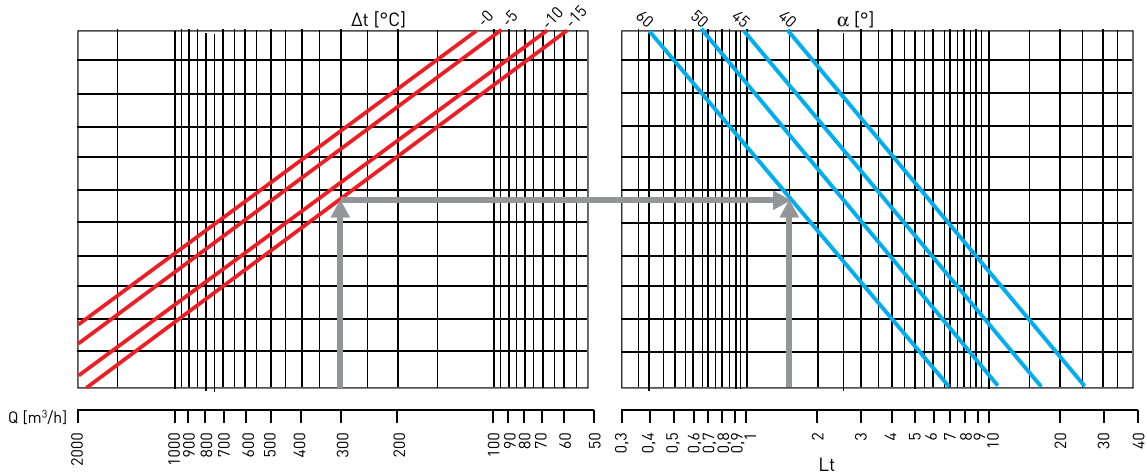


SYMBOL	DESCRIPTION
Q	Air flow (m³/s or m³/h)
NR	Sound level
DP	Pressure drop (Pa)
V_k	Air delivery velocity (m/s)
A	Distance between diffusers (m)
H	Height (m)
H_o	Height – Occupation zone (1,80 m)
V_t	Air delivery velocity (m/s)
L_o	Throw horizontal (m)
L_v	Throw vertical (m)
L_t	L_v (Throw) on $V_t = 0,20$ m/s
Δt	Difference between the supply air temp. and room air temp.
α	Blades - tilt

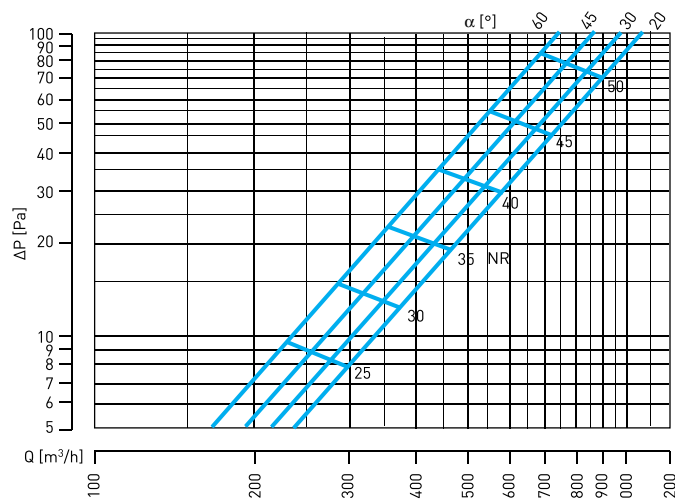
Throw – Heizung – DVE-3 Ø 250



Throw – cooling – DVE-3 Ø 250

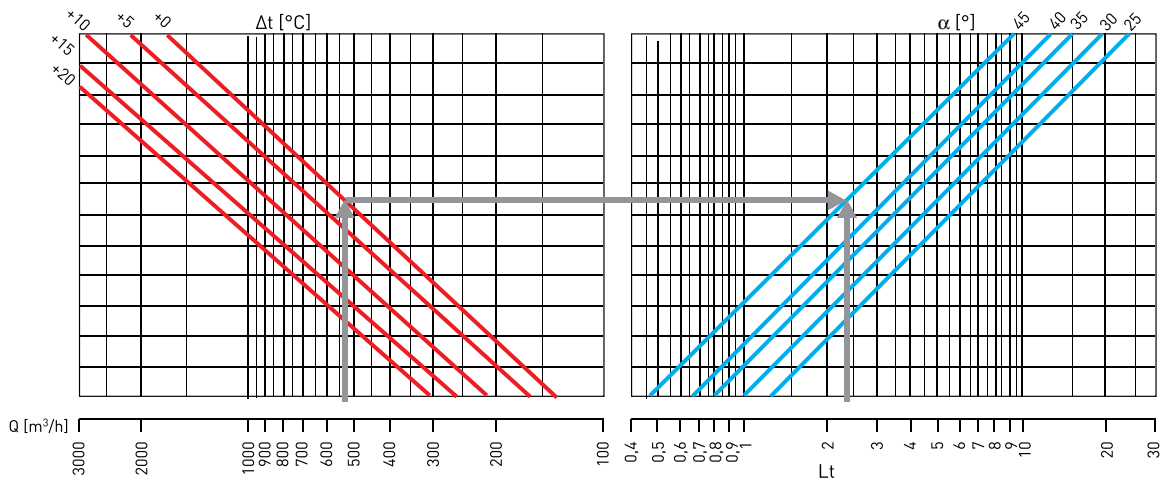


Pressure drop and noise level – DVE-3 Ø 250

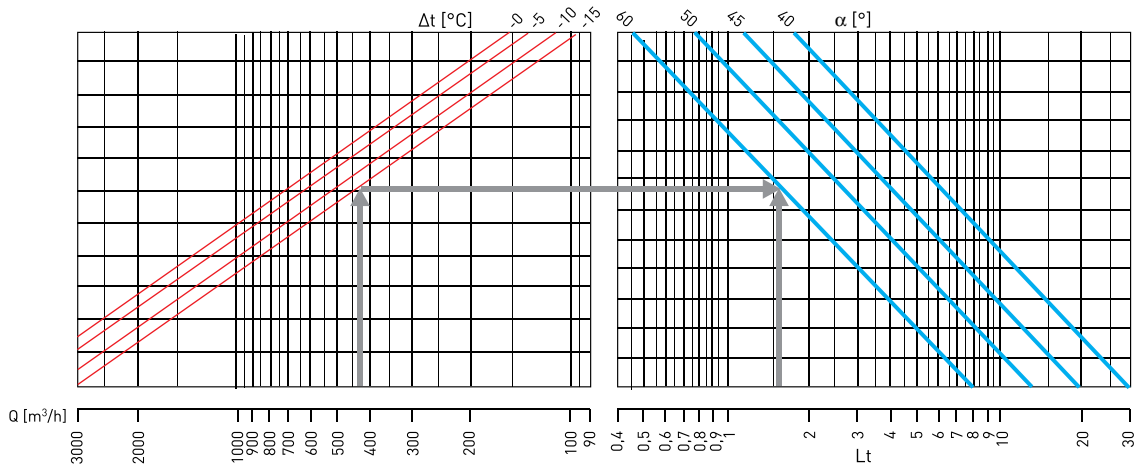


SYMBOL	DESCRIPTION
Q	Air flow (m³/s or m³/h)
NR	Sound level
DP	Pressure drop (Pa)
V_k	Air delivery velocity (m/s)
A	Distance between diffusers (m)
H	Height (m)
H_o	Height – Occupation zone (1,80 m)
V_t	Air delivery velocity (m/s)
L_o	Throw horizontal (m)
L_v	Throw vertical (m)
L_t	L_v (Throw) on $V_t = 0,20$ m/s
Δt	Difference between the supply air temp. and room air temp.
α	Blades - tilt

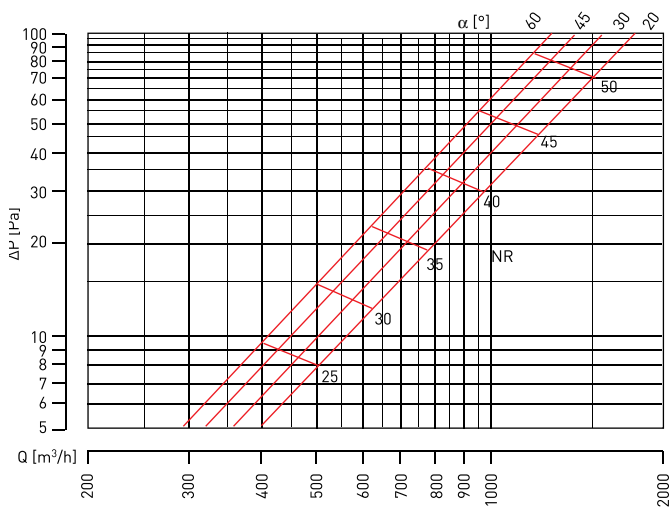
Throw – heating – DVE-3 Ø 315



Throw – cooling – DVE-3 Ø 315

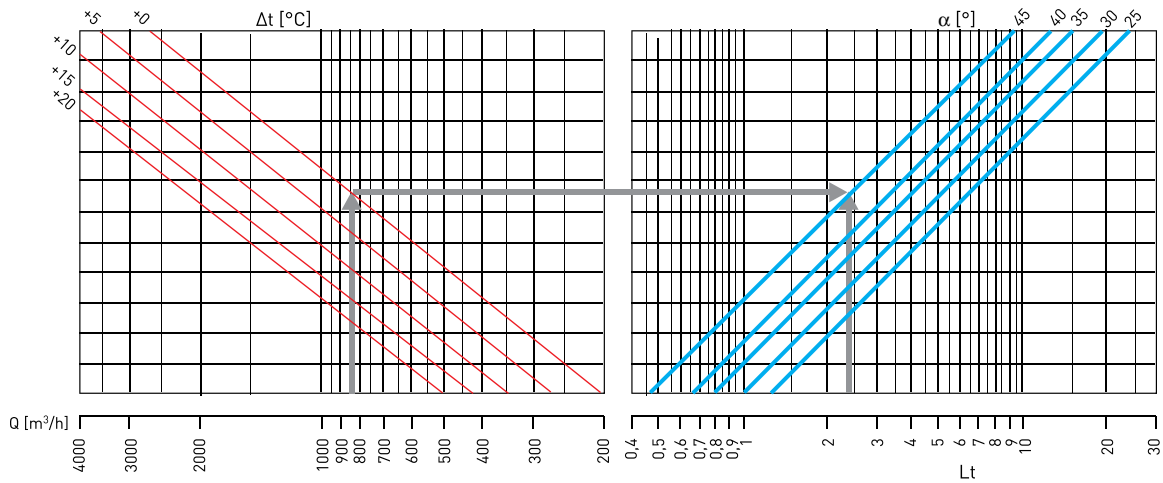


Pressure drop and noise level – DVE-3 Ø 315

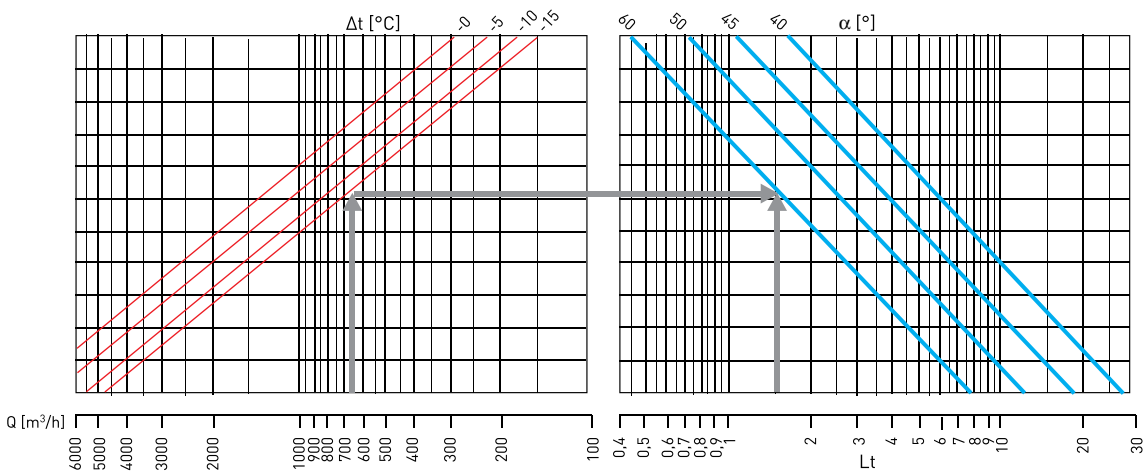


SYMBOL	DESCRIPTION
Q	Air flow (m ³ /s or m ³ /h)
NR	Sound level
DP	Pressure drop (Pa)
Vk	Air delivery velocity (m/s)
A	Distance between diffusers (m)
H	Height (m)
H_o	Height – Occupation zone (1,80 m)
V_t	Air delivery velocity (m/s)
L_o	Throw horizontal (m)
L_v	Throw vertical (m)
L_t	L _v (Throw) on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

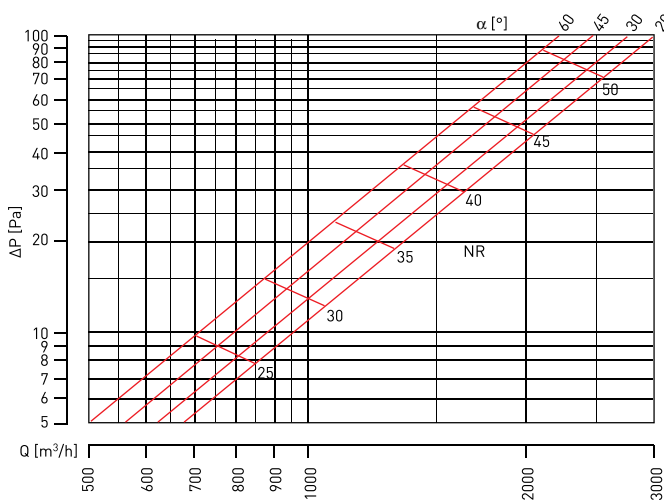
Throw – heating – DVE-3 Ø 400



Throw – cooling – DVE-3 Ø 400

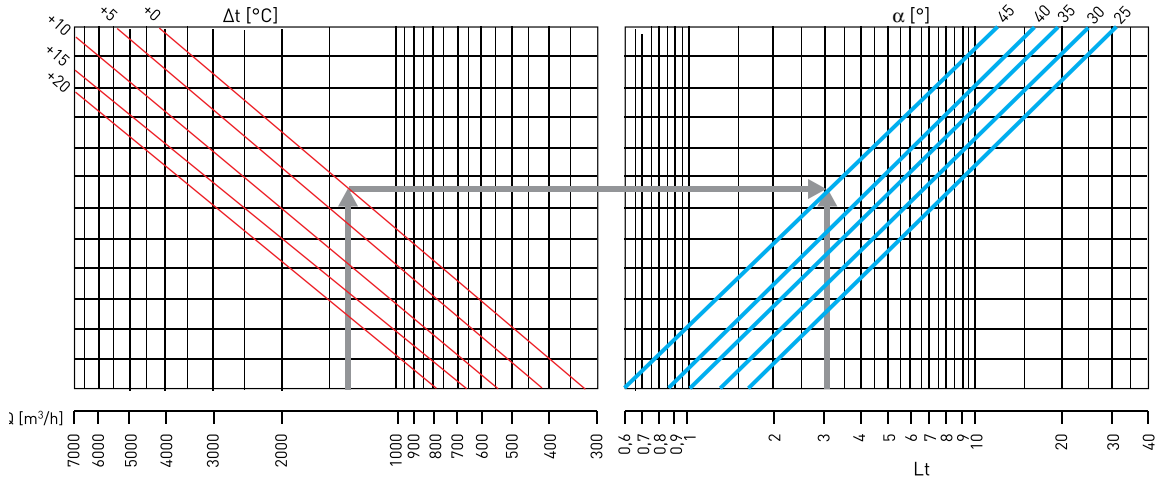


Pressure drop and noise level – DVE-3 Ø 400

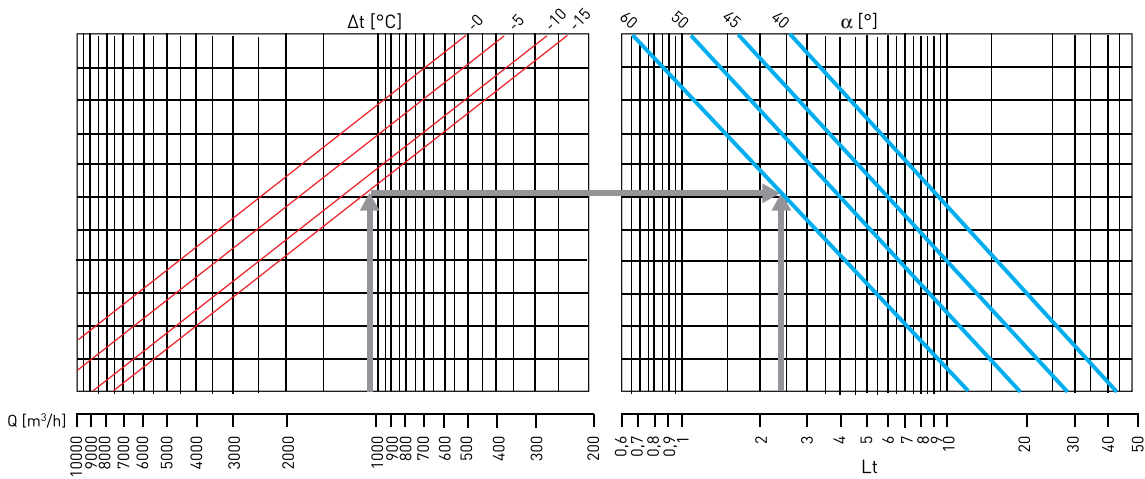


SYMBOL	DESCRIPTION
Q	Air flow (m ³ /s or m ³ /h)
NR	Sound level
DP	Pressure drop (Pa)
Vk	Air delivery velocity (m/s)
A	Distance between diffusers (m)
H	Height (m)
H_o	Height – Occupation zone (1,80 m)
V_t	Air delivery velocity (m/s)
L_o	Throw horizontal (m)
L_v	Throw vertical (m)
L_t	L _v (Throw) on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

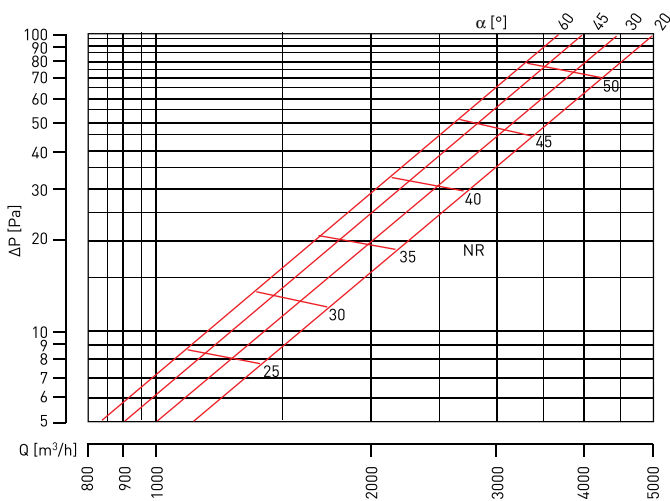
Throw – heating – DVE-3 Ø 500



Throw – cooling – DVE-3 Ø 500

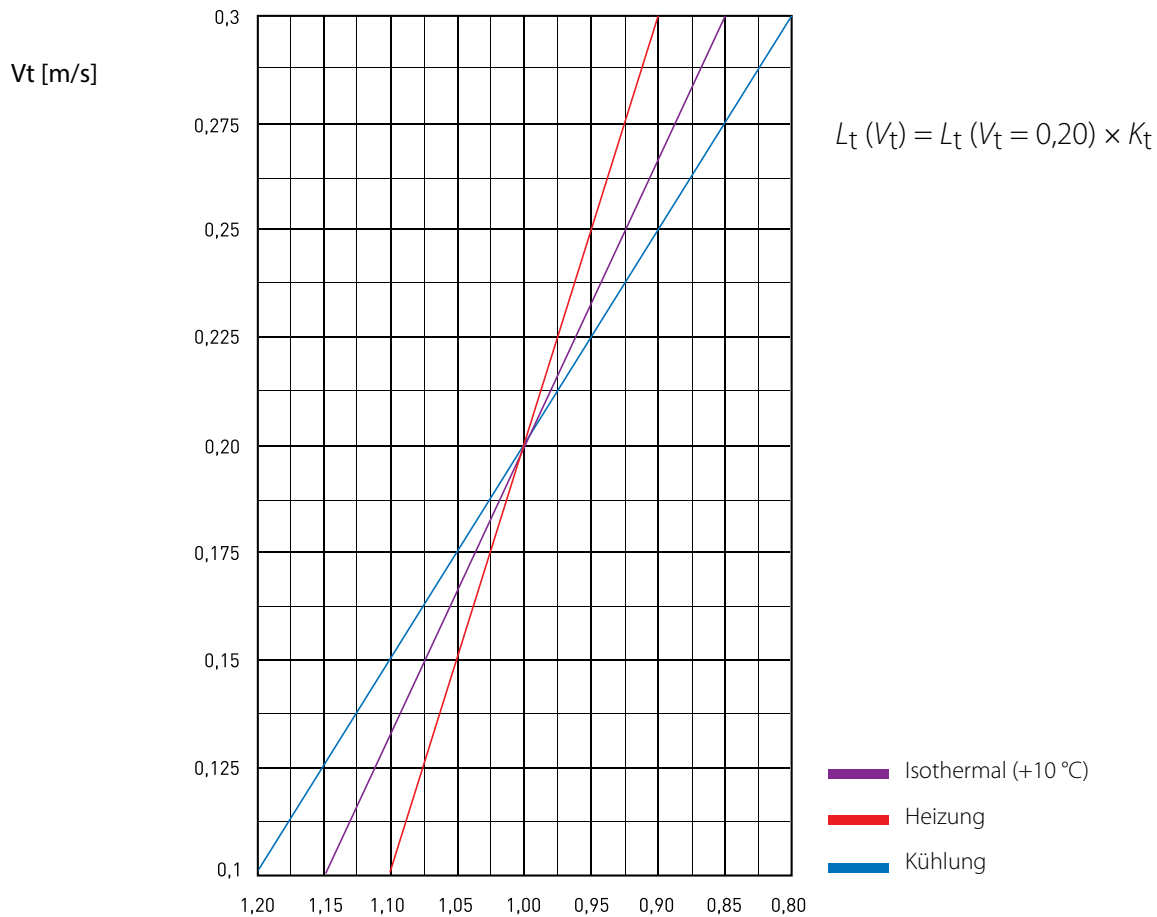


Pressure drop and noise level– DVE-3 Ø 500



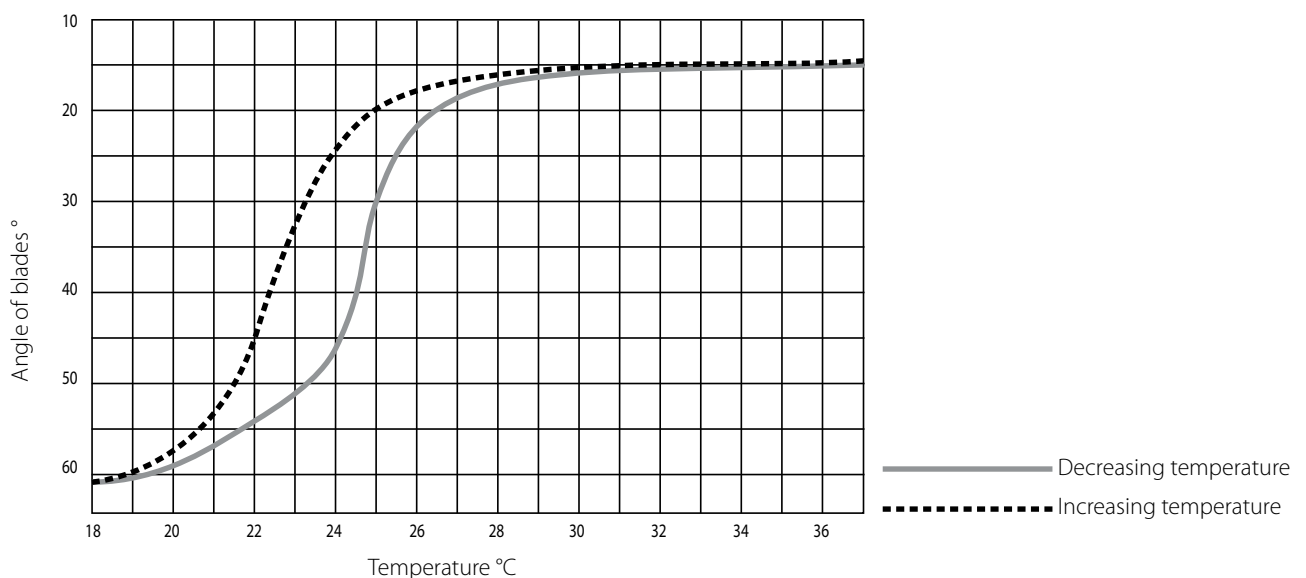
SYMBOL	DESCRIPTION
Q	Air flow (m³/s or m³/h)
NR	Sound level
DP	Pressure drop (Pa)
V_k	Air delivery velocity (m/s)
A	Distance between diffusers (m)
H	Height (m)
H_o	Height – Occupation zone (1,80 m)
V_t	Air delivery velocity (m/s)
L_o	Throw horizontal (m)
L_v	Throw vertical (m)
L_t	L_v (Throw) on $V_t = 0,20$ m/s
Δt	Difference between the supply air temp. and room air temp.
α	Blades - tilt

Correction KT for LT



Thermostatic control

Diagram below shows how 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.