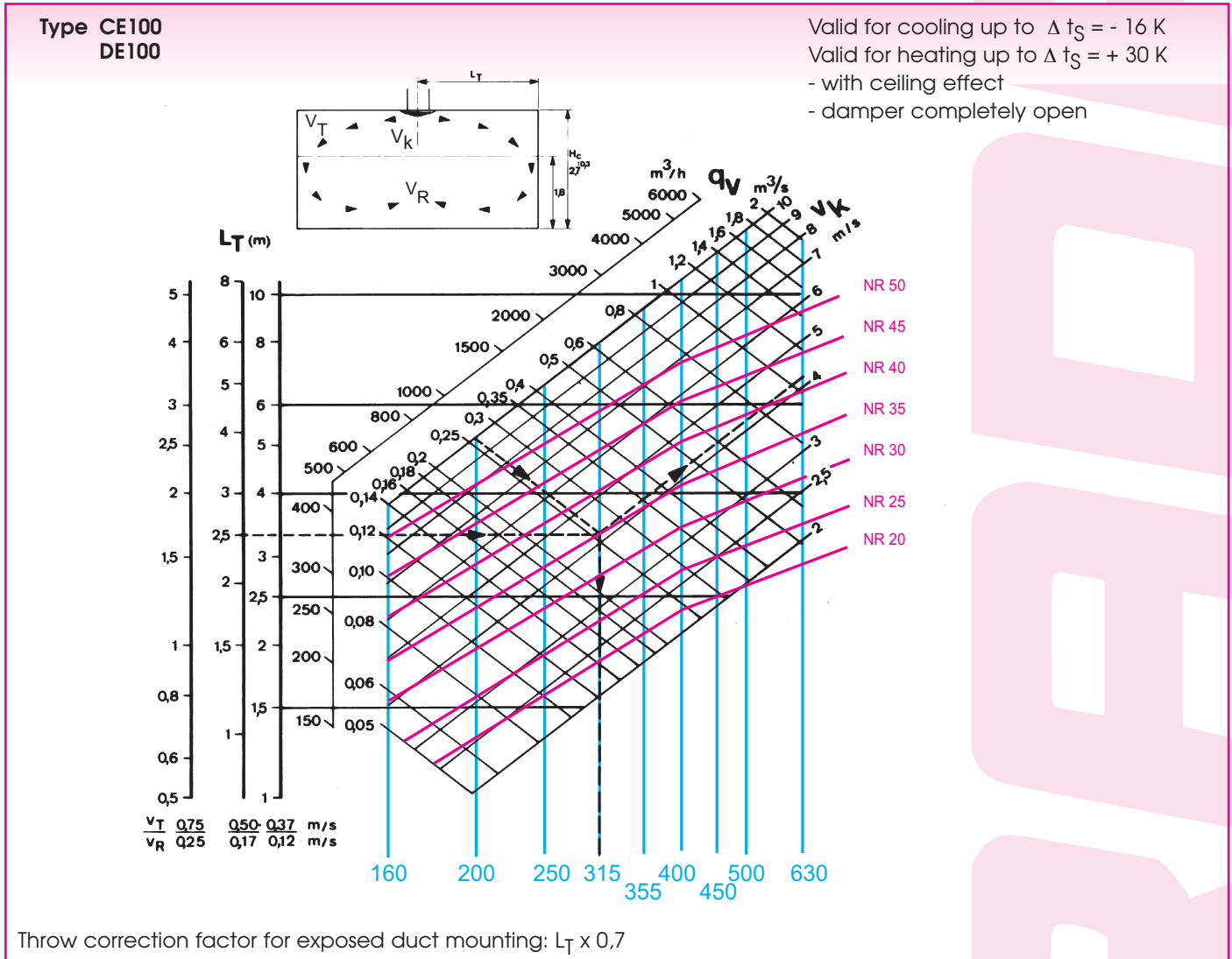
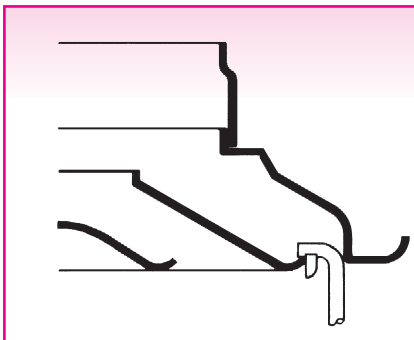


**CIRCULAR DIFFUSER WITH ADJUSTABLE AIR PATTERN
CE100 • DE100**

Selection diagram - supply



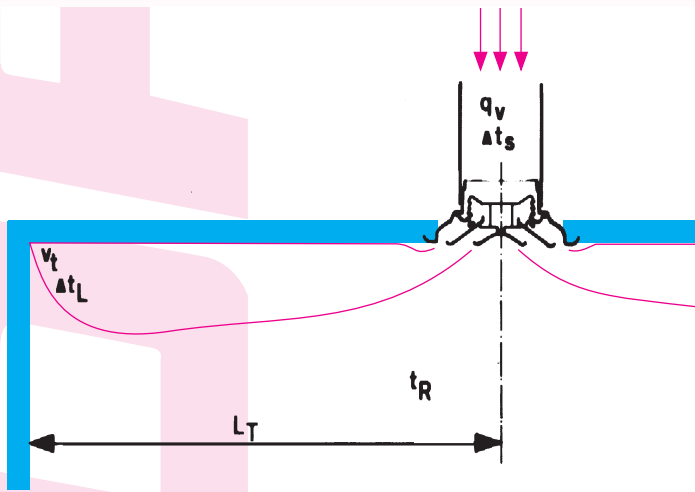
Air flow rate measurement - supply



Velometer jet: 2220 A or 6070

A _k - and A _n - values (m ²)									
Size	160	200	250	315	355	400	450	500	630
A _k hor.	0,014	0,026	0,042	0,062	0,085	0,112	0,143	0,177	0,257
A _k vert.	0,011	0,019	0,027	0,043	0,058	0,080	0,087	0,112	0,158
A _n	0,020	0,031	0,049	0,078	0,099	0,126	0,159	0,196	0,312

Example



Selection data:

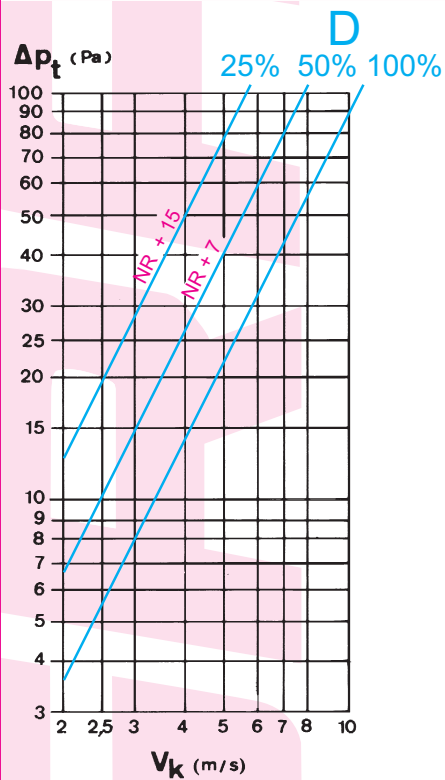
- Air flow rate $q_v = 0,25 \text{ m}^3/\text{s}$
- Throw $L_T = 2,5 \text{ m}$ at $v_T = 0,50 \text{ m/s}$

Solution:

- Size 315 mm
- Supply air velocity $v_k = 4 \text{ m/s}$
- Noise level NR 35
- Total pressure loss with damper DT003 100 % open: $\Delta p_t = 14 \text{ Pa}$

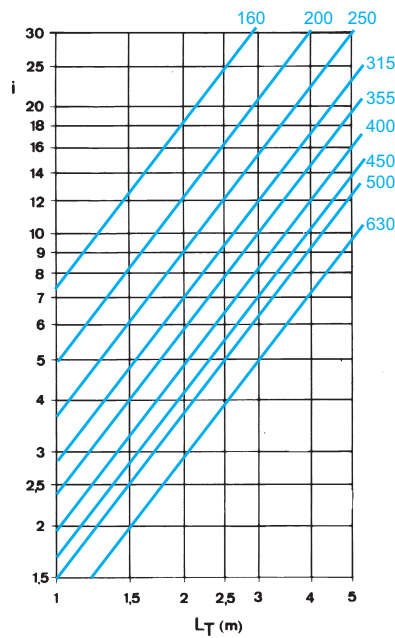
Pressure loss

with damper type DT003



Induction and temperature quotient with ceiling effect

Induction



Temperature quotient

