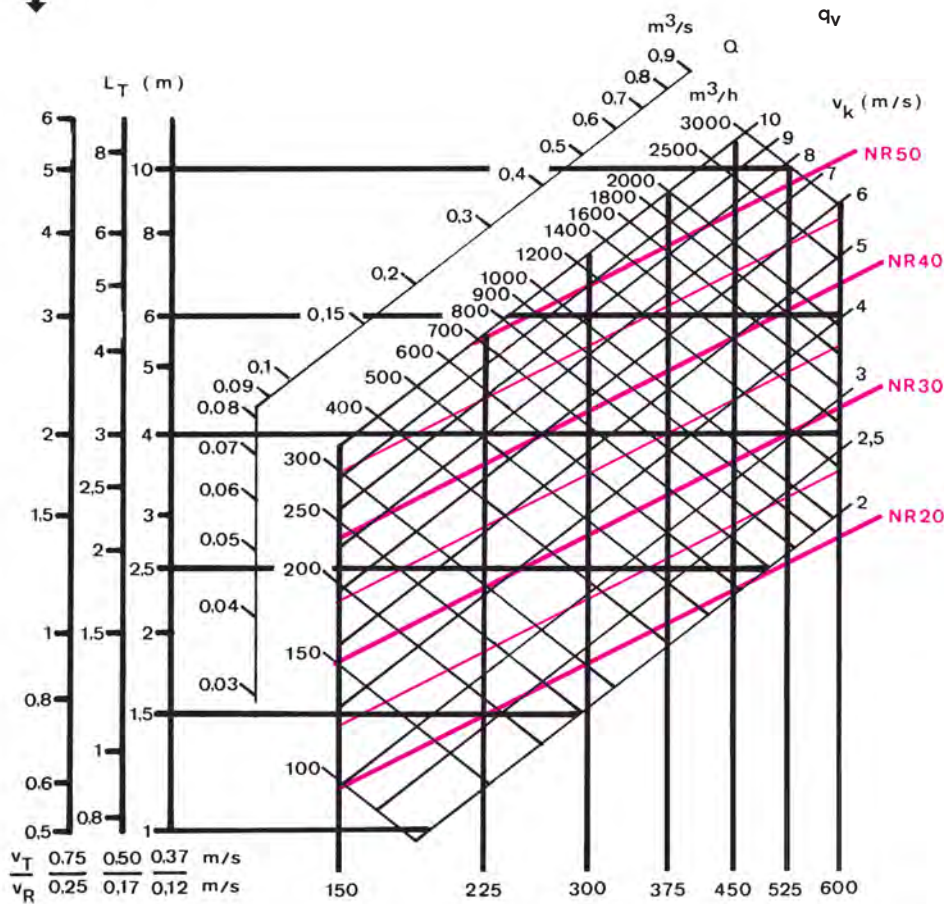
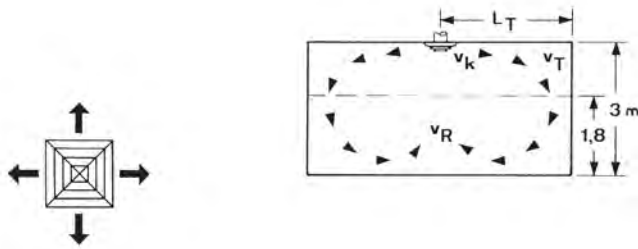


**MULTIDIRECTIONAL DIFFUSER  
ED400 • EE400**

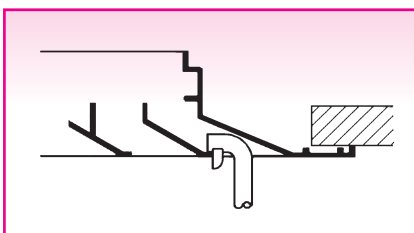
**Selection frame - supply**

Type EE400 (square)

- with ceiling effect
- damper completely open



**Air flow rate measurement-supply**



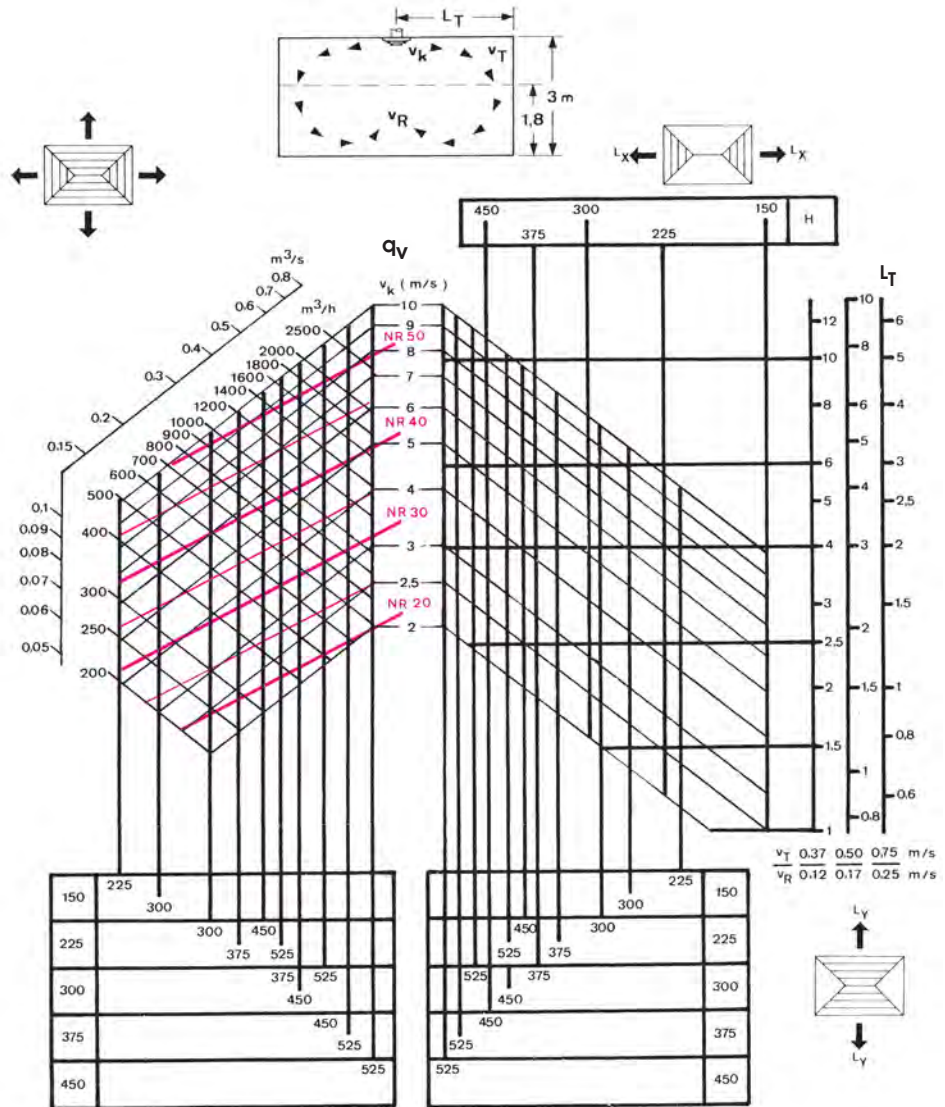
Velometer jet: 2220 A or 6070

	A <sub>k</sub> -values (m <sup>2</sup> )						
Size	150	225	300	375	450	525	600
A <sub>k</sub>	0,009	0,020	0,036	0,056	0,081	0,110	0,144

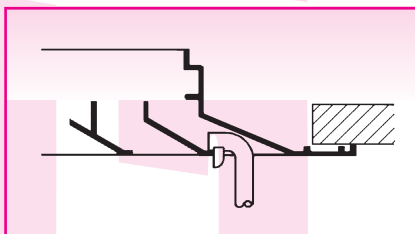
**Selection diagram - supply**

Type EE400 (rectangular)

- with ceiling effect
- damper completely open



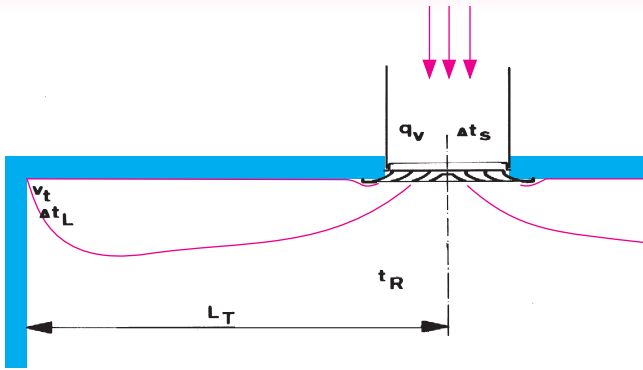
**Air flow rate measurement-supply**



Velometer jet: 2220 A or 6070

H (mm)	$A_k$ -values ( $m^2$ )				
	L (mm)				
	225	300	375	450	525
150	0,014	0,018	—	—	—
225	—	0,027	0,034	0,041	0,047
300	—	—	0,045	0,054	0,063
375	—	—	—	0,068	0,079
450	—	—	—	—	0,095

**Example**



**Selection data:**

- Air flow rate  $q_v = 600 \text{ m}^3/\text{h}$
- Throw  $L_T = 2,1 \text{ m}$  at  $v_T = 0,5 \text{ m/s}$

**Solution:**

- EE400 (square) size 375 mm
- Supply air velocity  $v_k = 3 \text{ m/s}$
- Noise level NR 27
- Total pressure loss with damper 100 % open:  $\Delta p_t = 5,3 \text{ Pa}$ .

**Selection data:**

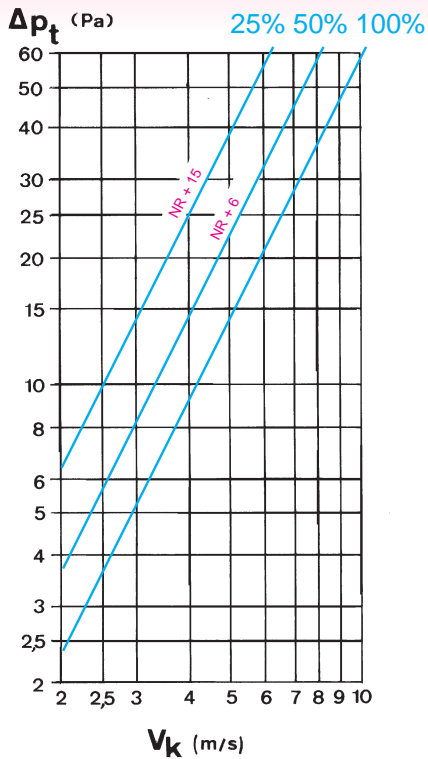
- Air flow rate  $q_v = 700 \text{ m}^3/\text{h}$
- Throw  $L_T = 1,7 \text{ m}$  (in X direction)  $L_T = 2,7 \text{ m}$  (in Y direction) at  $v_T = 0,5 \text{ m/s}$

**Solution:**

- EE400 (rectangular) size 525 x 300 mm (L x H)
- Supply air velocity  $v_k = 3 \text{ m/s}$
- Noise level NR 28
- Total pressure loss with damper 100 % open:  $\Delta p_t = 5,3 \text{ Pa}$ .

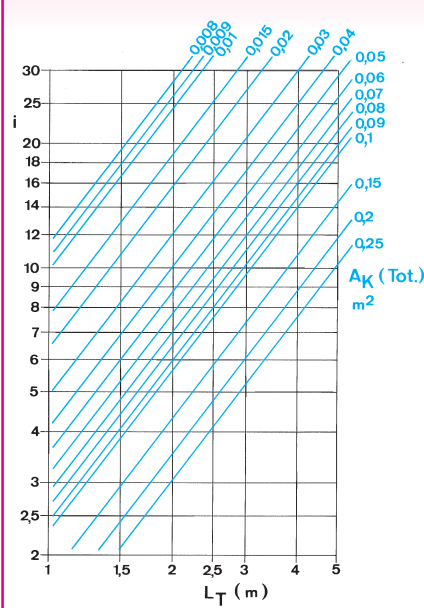
**Pressure loss**

with damper type.. 7



**Induction and temperature quotient with ceiling effect**

**Induction**



**Temperature quotient**

