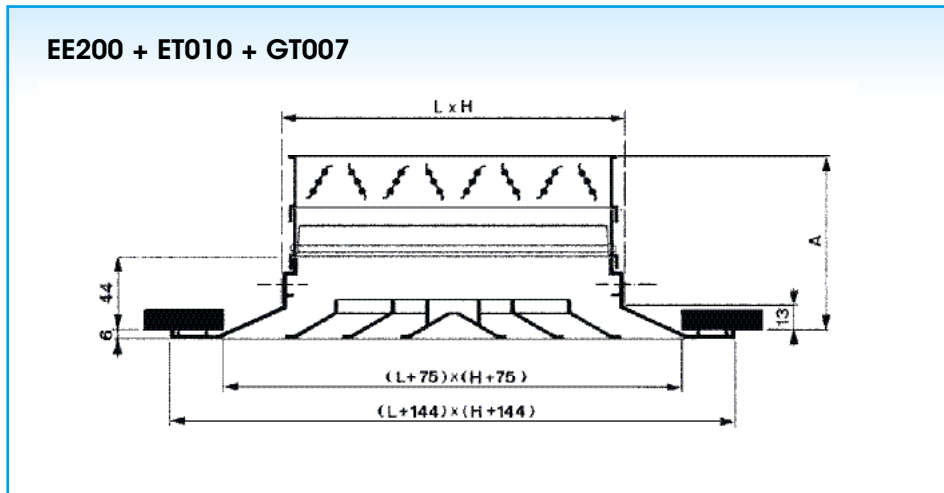


# MULTIDIRECTIONAL DIFFUSER EE200

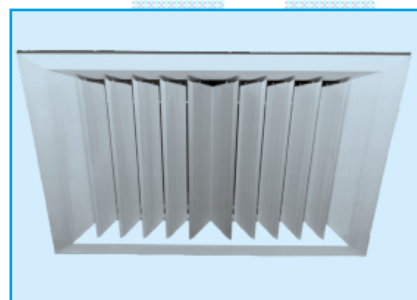
## Installation dimensions



H (mm)	150	225	300	375	450	525	600
L (mm)	150	-	-	-	-	-	-
	225	225	-	-	-	-	-
	300	300	300	-	-	-	-
	375	375	375	375	-	-	-
	450	450	450	450	450	-	-
	525	525	525	525	525	525	-
	600	600	600	600	600	600	600

Dimension	A
With flow equalizer ET010	76
With damper GT007	82
With flow equalizer and damper ET010 + GT007	114

**Dimensions L x H: L = nominal length, H = nominal height**  
**All dimensions in mm**



## Application

The diffuser type EE200 is used for the supply and exhaust of cooled or heated air in facilities such as offices, shopping centres, conference rooms, ... The diffuser can be mounted in the ceiling and has a fixed 2-way horizontal air pattern.

## Technical information

### Characteristics:

- Square or rectangular diffuser available with multiples of 75 mm in length and 37,5 mm in height  
 min L = 150 mm, max L = 1200 mm  
 min H = 75 mm, max H = 600 mm
- Fixed 2-way horizontal air pattern.
- Removable core with several air distribution elements.  
 It is possible to exchange the co-res of the EE100, EE300 and EE400, in accordance with the desired air pattern.

### Construction:

extruded aluminium; natural tone, satin anodised.

## Specifications description

### Example:

Square or rectangular aluminium diffuser with fixed inner blading (2-way), complete with a damper. The diffuser is natural tone anodised .

**Type: EE200 + GT007**  
size (L x H): ... x ... mm

## Accessories

- **GT007:** Opposed blade damper. Galvanised steel sheet, painted black. For further details, see p. 1 290
- **ET010:** Flow equalizer in mill finish aluminium

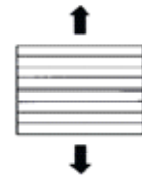
## Fixing

with screws in the diffuser neck.

## Delivery possibilities



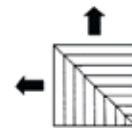
Square diffuser EE200 with flow equalizer EE210



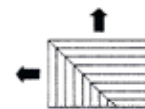
Rectangular diffuser EE200 with flow equalizer EE210



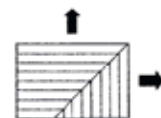
Rectangular diffuser EE220 with flow equalizer EE230



Square diffuser EE240 with flow equalizer EE250



Rectangular diffuser EE240 with flow equalizer EE250

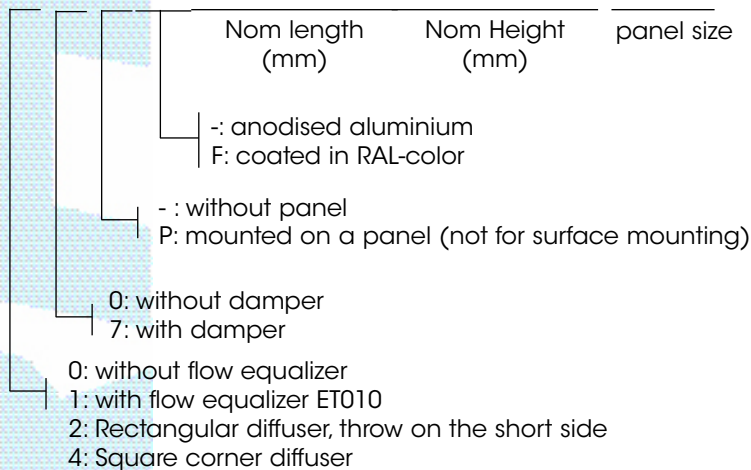


Rectangular diffuser EE260 with flow equalizer EE270

## How to order

EE200 size 375 x 375 mm with flow equalizer ET010 and damper GT007

E	E	2	0	0	P	F	0	1	5	0	0	1	5	0	670
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-----

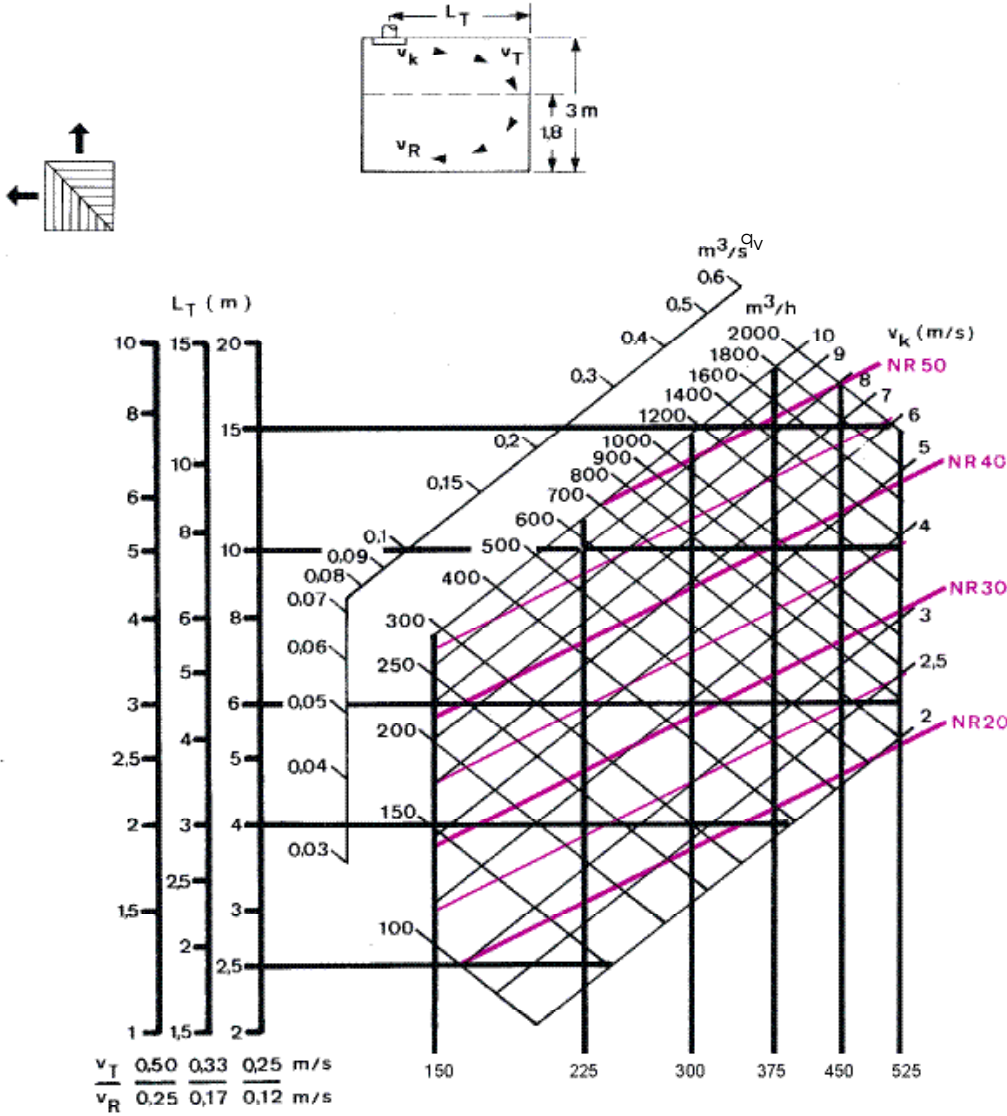


**MULTIDIRECTIONAL DIFFUSER  
EE200**

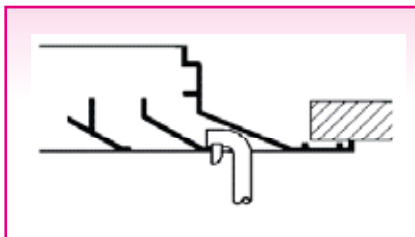
**Selection diagram- supply**

Type EE240 (square)

- with ceiling effect
- damper completely open



**Air flow rate measurement-supply**



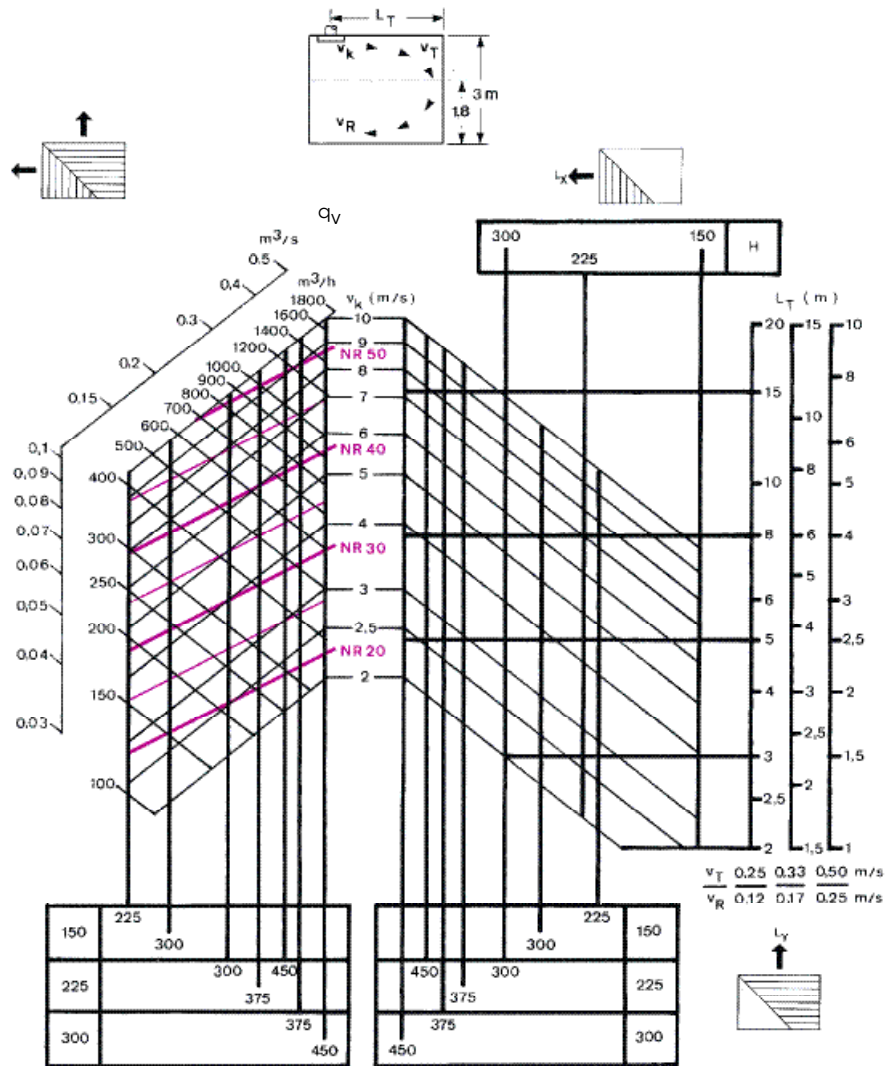
Velometer jet: 2220 A or 6070

A <sub>k</sub> -values (m <sup>2</sup> )						
Size	150	225	300	375	450	525
A <sub>k</sub>	0,008	0,018	0,032	0,050	0,071	0,097

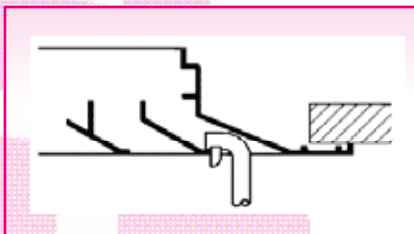
**Selection diagram - supply**

Type EE240 and EE260 (rectangular)

- with ceiling effect
- damper completely open



**Air flow rate measurement - supply**



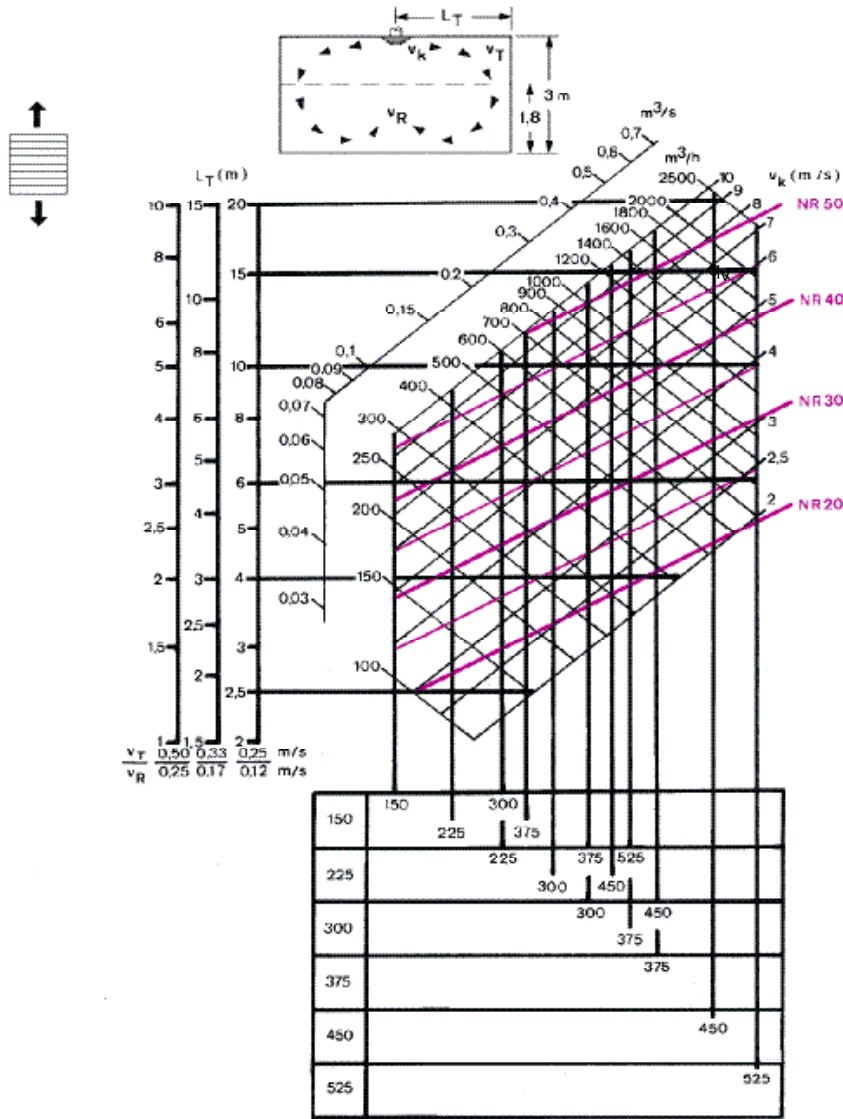
Velometer jet: 2220 A or 6070

A <sub>k</sub> -values (m <sup>2</sup> )				
H (mm)	L (mm)			
	225	300	375	450
150	0,012	0,016	—	—
225	—	0,024	0,030	0,036
300	—	—	0,039	0,047

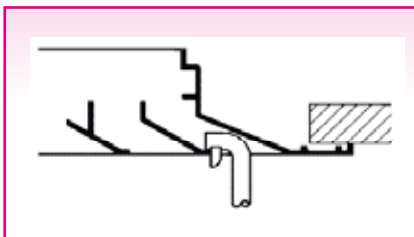
**Selection diagram - supply**

Type EE220 and EE200

- with ceiling effect
- damper completely open



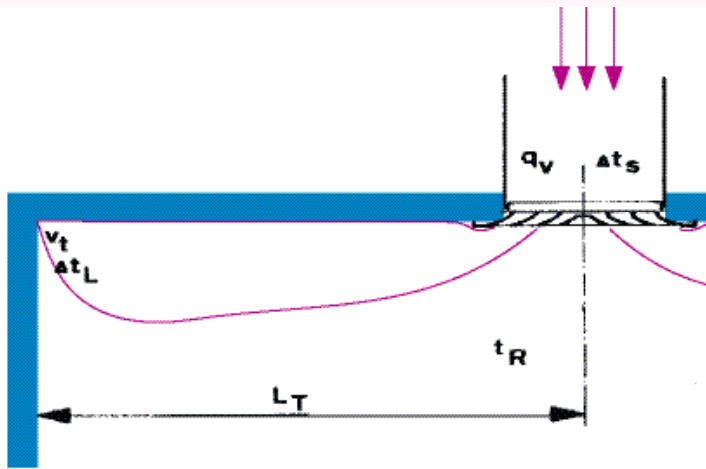
**Air flow rate measurement-supply**



Velometer jet: 2220 A or 6070

H (mm)	A <sub>k</sub> - values (m <sup>2</sup> )					
	L (mm)					
	150	225	300	375	450	525
150	0,008	0,012	0,016	0,020	-	-
225	-	0,018	0,024	0,030	0,036	0,041
300	-	-	0,032	0,039	0,047	-
375	-	-	-	0,049	-	-
450	-	-	-	-	0,071	-
525	-	-	-	-	-	0,097

**Example**



**Selection data:**

- Air flow rate  $q_v = 400 \text{ m}^3/\text{h}$
- Throw  $L_T = 4 \text{ m}$  at  $v_T = 0,33 \text{ m/s}$

**Solution:**

- EE240 (square) size  $300 \times 300 \text{ mm}$
- Supply air velocity  $v_k = 3,5 \text{ m/s}$
- Noise level NR 28
- Total pressure loss with damper 100% open:  $\Delta p_t = 7,2 \text{ Pa}$ .

**Selection data:**

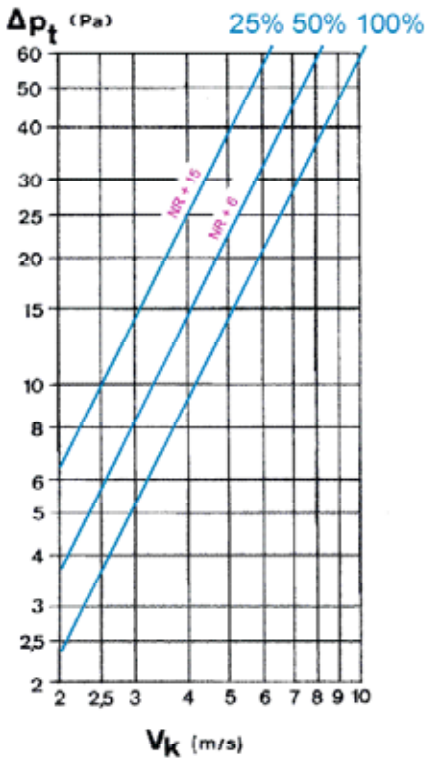
- Air flow rate  $q_v = 380 \text{ m}^3/\text{h}$
- Throw  $L_T = 2,5 \text{ m}$  (in X direction)
- $L_T = 4,3 \text{ m}$  (in Y direction)
- at  $v_T = 0,33 \text{ m/s}$

**Solution:**

- EE240 (rectangular)  $450 \times 225 \text{ mm}$  (L x H)
- Supply air velocity  $v_k = 3 \text{ m/s}$
- Noise level NR 25
- 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**

