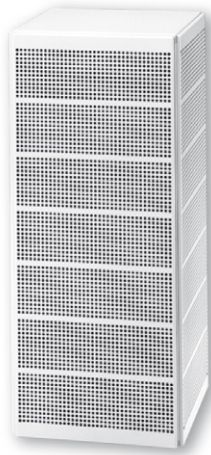


# Perforated diffuser - square

# CKA



## Description

Comdif CKA is a square perforated displacement diffuser for installation against a wall or column. Behind the perforated front plate, CKA is equipped with individually adjustable nozzles, making it possible to alter the geometry of the near zone. The diffuser can be turned and has a circular duct connection (MF measure), so the diffuser can be connected at the top or bottom. The diffuser is suitable for the supply of large volumes of moderately cooled air.

- The diffuser is suitable for the supply of large volumes of air.
- The geometry of the near zone can be adjusted using adjustable nozzles.
- Plinths can be supplied as accessories.

## Maintenance

The front plate can be removed from the diffuser, making it possible to clean the nozzles. The visible parts of the diffuser can be wiped with a damp cloth.

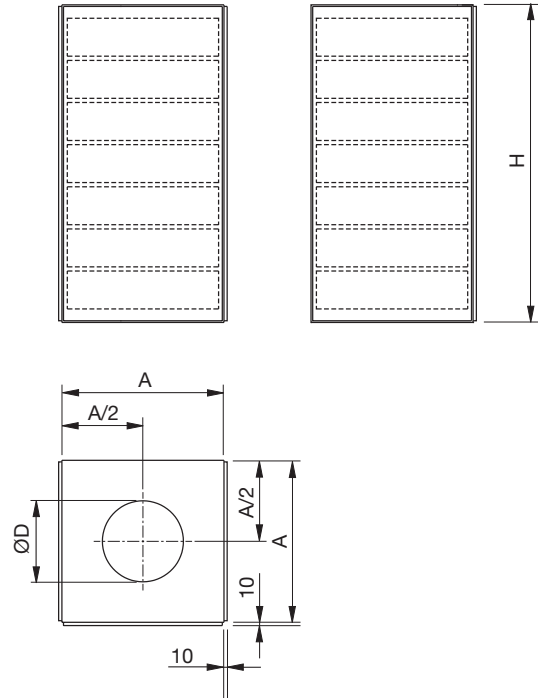
## Ordering example

<b>Product</b>	<b>CKA</b>	<b>aaaa</b>
Type		
Size		

## Order - accessories

Plinth: CKAZ - 2 - size

## Dimension



Size	ØA mm	ØD mm	H mm	Weight kg
2010	300	200	980	11.0
2510	400	250	980	20.0
3110	500	315	980	30.0
4015	500	400	1500	45.0
5020	800	500	2020	150
6320	800	630	2020	150

## Accessories

Can be supplied with plinth.

## Materials and finish

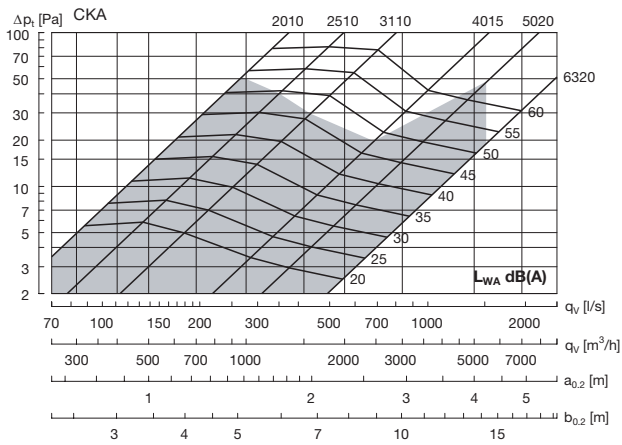
Diffuser:	Galvanised steel
Nozzles:	Black plastic
Front plate:	1 mm galvanised steel
Standard finish:	Powder-coated
Standard colour:	RAL 9003 or RAL 9010 - white, gloss 30

The diffuser is available in other colours. Please contact Lindab's sales department for further information.

# Perforated diffuser - square

CKA

## Technical data



Recommended maximum volume flow.

The near zone is given at an under-temperature of -3 K to a maximum terminal velocity of 0.20 m/s.

Conversion to other terminal velocities - see table 1, correction of the near zone for -3 K and -6 K respectively.

## Sound effect level

$$\text{Sound effect level } L_W \text{ [dB]} = L_{WA} + K_{ok}$$

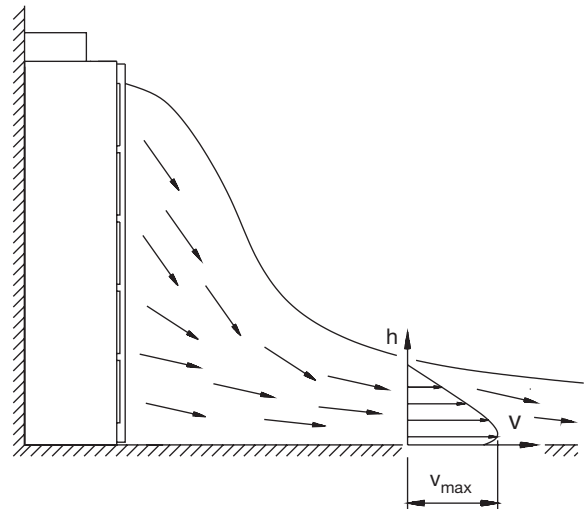
Size	Centre frequency Hz							
	63	125	250	500	1K	2K	4K	8K
2010	10	0	4	0	-8	-18	-29	-43
2510	11	1	4	-1	-8	-19	-30	-42
3110	14	3	4	-1	-10	-18	-30	-32
4015	10	1	2	0	-8	-17	-27	-42
5020	7	3	2	0	-6	-16	-19	-17
6320	7	3	2	0	-6	-16	-19	-17

## Sound attenuation

Sound attenuation  $\Delta L$  [dB] including end reflection.

Size	Centre frequency Hz							
	63	125	250	500	1K	2K	4K	8K
2010	12	8	4	2	1	1	1	1
2510	10	6	6	4	2	2	4	3
3110	10	7	3	1	2	1	2	1
4015	9	6	1	1	1	1	1	1
5020	6	4	1	1	1	1	1	1
6320	5	3	1	0	0	0	0	1

## Nearzone



Large diffusion (factory setting)

Small diffusion

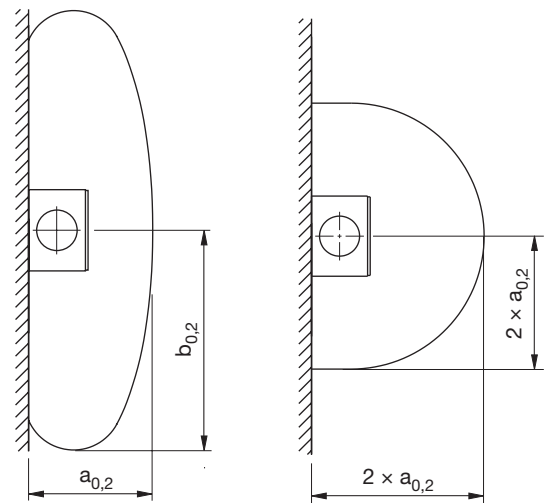


Table 1  
Correction of the near zone ( $a_{0,2}$ ,  $b_{0,2}$ )

Under-temperature $T_i - T_r$	Maximum velocity m/s	Mean velocity m/s	Correction factor
-3K	0.20	0.10	1,00
	0.25	0.12	0.80
	0.3	0.15	0.70
	0.35	0.17	0.60
	0.40	0.20	0.50
-6K	0.20	0.10	1.20
	0.25	0.12	1,00
	0.30	0.15	0.80
	0.35	0.17	0.70
	0.40	0.20	0.60