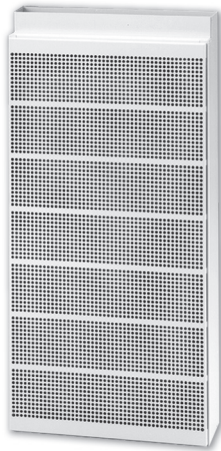


Perforated diffuser - rectangular

CRA



Description

Comdif CRA is a rectangular perforated displacement diffuser for installation against a wall or column. CRA has a rectangular connection and therefore has a limited depth, making it ideal for installation in premises where a discrete appearance is required. Behind the perforated front plate, CRA 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 rectangular duct connection, so the diffuser can be connected at the top or bottom. The connection duct CRAZ with a circular connection is available as an accessory. 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.
- Duct connections and 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.

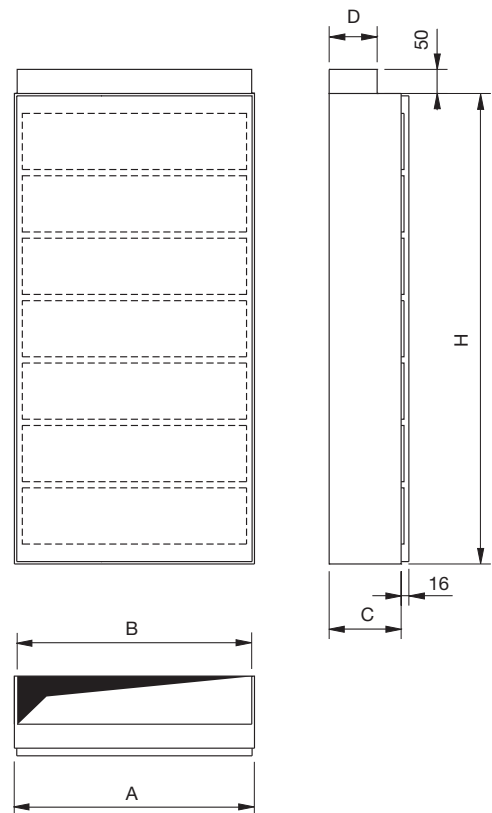
Ordering example

Product	CRA	aaaa
Type		
Size		

Order - accessories

Copnection duct:	CRAZ - 1 - size
Plinth:	CRAZ - 2 - size

Dimension



Size	A mm	B mm	C mm	D mm	H mm	Weight kg
3010	300	278	150	98	980	10.0
5010	500	478	150	98	980	17.0
8010	800	778	150	98	980	27.0
8020	800	778	250	198	2020	32.0

Accessories

Can be supplied with duct connection and plinth.

Materials and finish

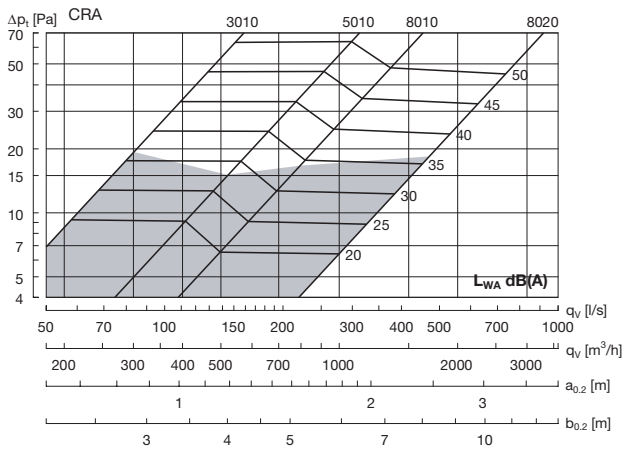
Diffuser:	Galvanised steel
Nozzles:	Black plastic
Front plate:	1.5 mm galvanised steel
Standard finish:	Powder-coated
Standard colour:	RAL 9003 or 9010 - white, gloss 30

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

Perforated diffuser - rectangular

CRA

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

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

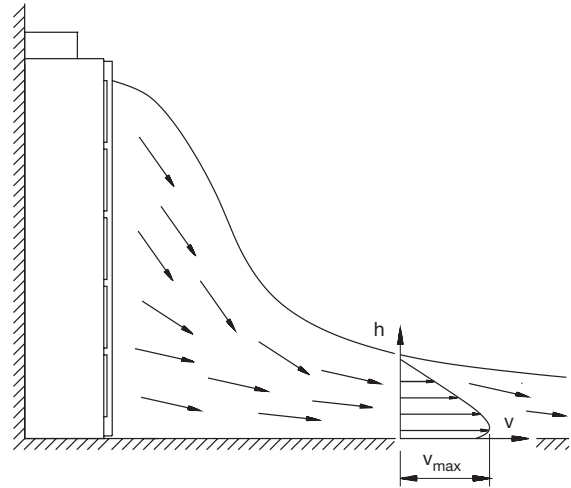
Size	Centre frequency Hz							
	63	125	250	500	1K	2K	4K	8K
3010	9	-1	5	-1	-11	-17	-30	-41
5010	7	1	4	0	-11	-19	-32	-42
8010	15	0	4	0	-12	-20	-31	-43
8020	10	4	6	-2	-11	-21	-33	-39

Sound attenuation

Sound attenuation ΔL [dB] including end reflection.

Size	Centre frequency Hz							
	63	125	250	500	1K	2K	4K	8K
3010	11	7	6	4	2	2	1	2
5010	10	6	6	4	2	2	1	2
8010	10	6	4	3	2	1	1	1
8020	7	4	3	2	1	1	1	1

Nearzone



Large diffusion (factory setting)

Small diffusion

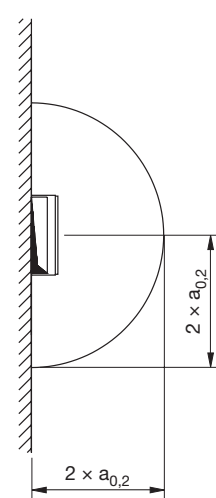
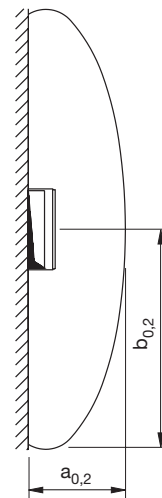


Table 1
Correction of the near zone ($a_{0,2}$, $b_{0,2}$)

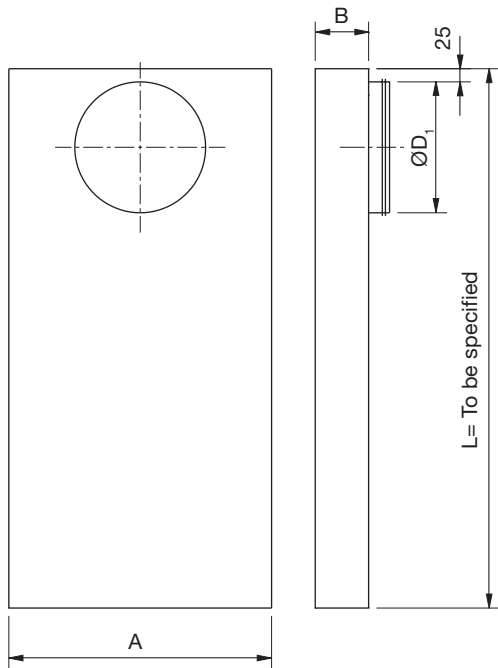
Under-temperature $T_i - T_r$	Maximum velocity m/s	Mean velocity m/s	Correction factor
-3K	0.20	0.10	1.00
	0.25	0.12	0.80
	0.30	0.15	0.70
	0.35	0.17	0.60
	0.40	0.20	0.50
-6K	0.20	0.10	1.20
	0.25	0.12	1.00
	0.30	0.15	0.80
	0.35	0.17	0.70
	0.40	0.20	0.60

Perforated diffuser - rectangular

CRA

Accessories

Connection duct CRAZ-1



Size	A mm	B mm	ØD mm	Weight kg
3010	280	100	200	5.0
5010	480	100	250	7.0
8010	780	100	315	9.0
8020	780	200	400	11.0

Order code

Connection duct		CRAZ-1	aaaa	bbbb	c
Type					
Size					
Length	According to dimensions in mm L=max. 2,000 mm				
Connection	Front Back (Standard)	0 1			