# CKE

**Supply-air valve - for ceiling**

## Uses
The air supply valve CKE is suitable for ventilation systems with low pressure drops. A protection plate, SP, can be fitted to protect the surrounding ceiling from getting dirty.

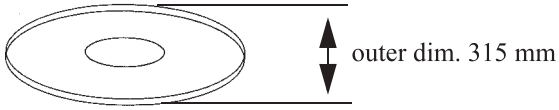
## Capacity
3-130 l/s

## Design
CKE is made of sheet steel. It is stove enamelled in white epoxy colour (RAL 9010), which gives a glossy and dirt rejecting surface. The valve is equipped with an elastic gasket to form an airtight seal with the mounting ring.

## Regulation of air flow
The air flow is adjusted by rotating the disc, i.e. widening or closing the gap. Use REC's measuring model.

## Installation
With mounting ring.

## Accessories
Mounting rings ZR, ZRT, ZRL and ZRU
Rings ZR, ZRT and ZRL fit ducts. ZRU fits nipple.
Protection place SP.

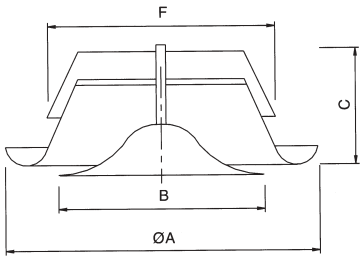


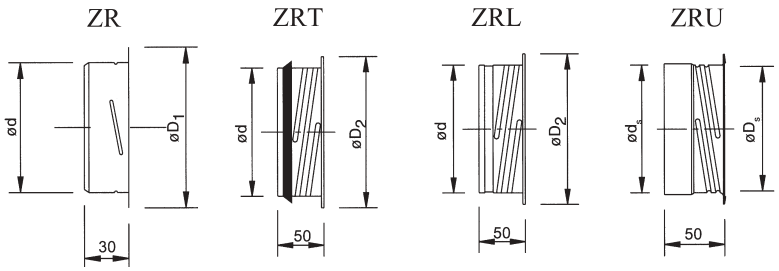

**When ordering, please state:**

Art. No. CKE - 125 - ZR

Product
Dimension
Accessories

# Measurement and weight




| Size | ØA (mm) | B (mm) | C (mm) | F (mm) | Weight (g) |
|---|---|---|---|---|---|
| 80 | 115 | 76 | 42 | 77,5 | 150 |
| 100 | 138 | 92 | 40 | 97,5 | 170 |
| 125 | 164 | 111 | 46 | 122,5 | 230 |
| 160 | 211 | 147 | 54 | 157,5 | 370 |
| 200 | 248 | 194 | 63 | 197,5 | 520 |

| Size | Ød (mm) | ØD¹ (mm) | ØD² (mm) | Øds (mm) | ØDs (mm) | ZR (g) | ZRTZRL/ ZRU (g) |
|---|---|---|---|---|---|---|---|
| 80 | 79 | - | 105 | - | - | - | 80 |
| 100 | 99 | 125 | 125 | 100 | 98 | 50 | 100 |
| 125 | 124 | 155 | 150 | 125 | 123 | 65 | 120 |
| 160 | 159 | 186 | 185 | 160 | 158 | 100 | 190 |
| 200 | 199 | 230 | 225 | 200 | 198 | 140 | 240 |

# Sound attenuation

## Sound power level Lw

The sound power level in octave band $L_{woct}$, dB is obtained by adding the sound level $L_{p10A}$, dB (A) shown in the charts to the correction factor:

$$L_{woct} = L_{p10A} + K_{oct}$$

## CKE

**Correction factor in octave band $K_{oct}$ (dB)**

**Medium frequency (Hz)**

| Size | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|---|---|---|---|---|---|---|---|
| 80 | 2 | 2 | 1 | 0 | -3 | -9 | -17 |
| 100 | 4 | 3 | 2 | 0 | -7 | -15 | -30 |
| 125 | 2 | 7 | 3 | -2 | -10 | -20 | -32 |
| 160 | 5 | 7 | 3 | -2 | -10 | -19 | -32 |
| 200 | 8 | 6 | 4 | -3 | -10 | -19 | -32 |
| Tol.± | 3 | 2 | 2 | 2 | 2 | 2 | 3 |

## Sound attenuation ΔL

The sound attenuation, ΔL, shows the reduction of the sound power level calculated from duct to room.

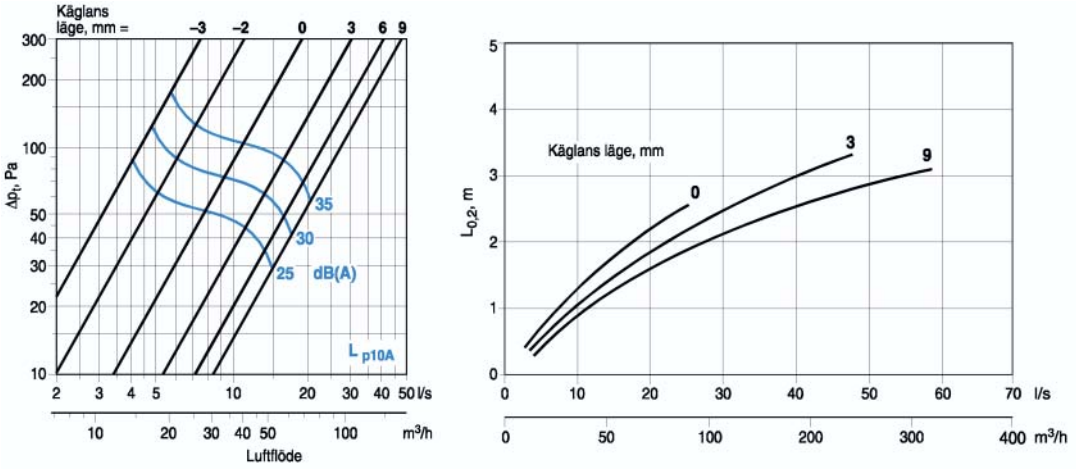
**Sound attenuation**

**Medium frequency (Hz)**

| Size | Regu-lation (mm) | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|---|---|---|---|---|---|---|---|---|---|
| | -3 | 24 | 21 | 16 | 12 | 9 | 7 | 5 | 5 |
| 80 | +3 | 24 | 19 | 13 | 10 | 7 | 4 | 4 | 4 |
| | +9 | 24 | 19 | 13 | 9 | 6 | 3 | 3 | 4 |
| | -3 | 22 | 17 | 13 | 10 | 8 | 8 | 6 | 9 |
| 100 | +3 | 21 | 16 | 11 | 8 | 6 | 7 | 4 | 7 |
| | +9 | 22 | 16 | 11 | 8 | 6 | 6 | 3 | 6 |
| | -9 | 22 | 16 | 11 | 8 | 6 | 5 | 6 | 7 |
| 125 | 0 | 20 | 15 | 10 | 7 | 5 | 4 | 3 | 6 |
| | +9 | 20 | 15 | 9 | 6 | 4 | 3 | 3 | 5 |
| | -3 | 18 | 14 | 9 | 7 | 6 | 7 | 6 | 8 |
| 160 | +6 | 18 | 13 | 8 | 6 | 5 | 5 | 6 | 6 |
| | +12 | 18 | 13 | 8 | 5 | 4 | 4 | 5 | 6 |
| | 0 | 16 | 12 | 9 | 8 | 9 | 9 | 9 | 8 |
| 200 | +9 | 16 | 11 | 8 | 6 | 7 | 7 | 7 | 7 |
| | +15 | 17 | 11 | 7 | 6 | 6 | 5 | 6 | 6 |
| Tol.± | | 6 | 3 | 2 | 2 | 2 | 2 | 2 | 3 |

# Installation diagram

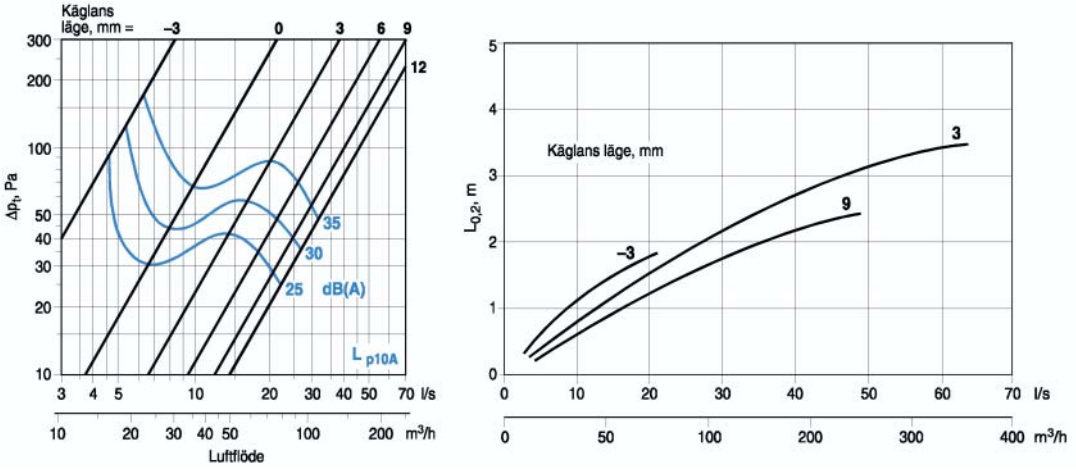
## CKE 80



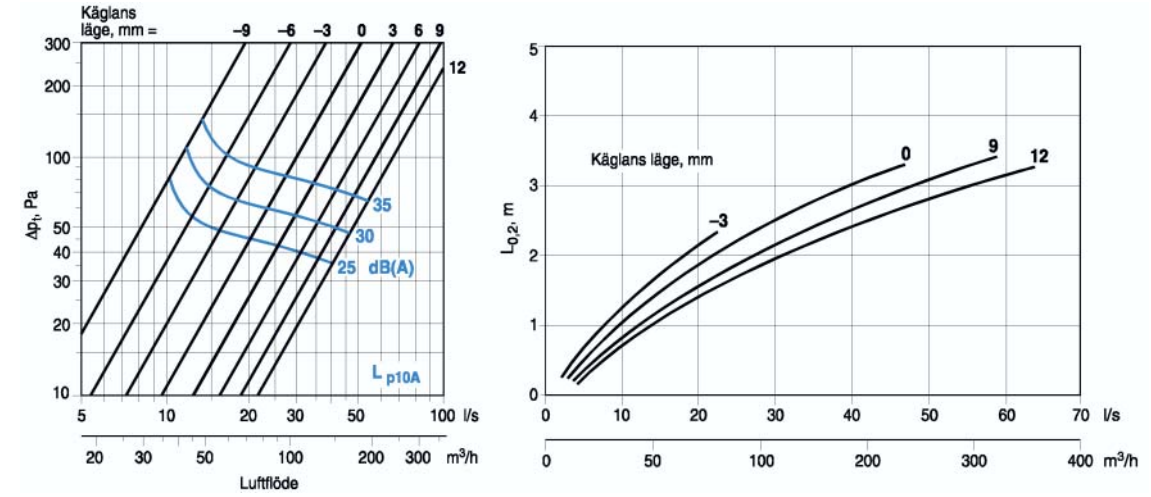

Käglans läge, mm =
**adjustment, mm**

Luftflöde =
**air flow**

## CKE 100

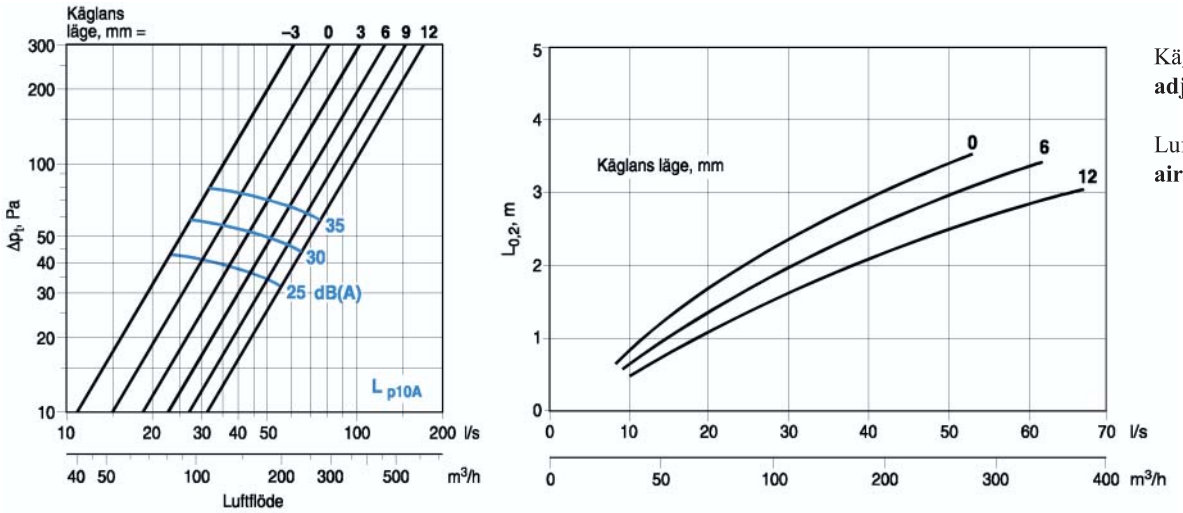



## CKE 125



# Installation diagram

## CKE 160




Käglans läge, mm =
**adjustment, mm**

Luftflöde =
**air flow**

## CKE 200