

DE-X 300 CDR Polar Trimless In-Wall Speaker with Defined Dispersion Angle

Description

The trimless DE-X 300 CDR high-end built-in speaker has been developed as a front speaker (L, R, center) for wall installation in home audio systems and media spaces.

The sophisticated three-way system has a dispersion angle of 80°. Due to the targeted dispersion, the DE-X 300 CDR can reproduce speech very clearly even in rooms with long reverberation times.

Thanks to a precise balance and highly linear frequency response, natural reproduction of sound is possible even at high levels.

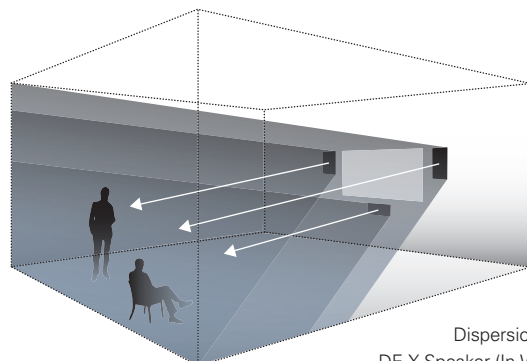
The DE-X 300 CDR is comprised of three parts. First, the elegant installation frame is mounted in the ceiling or wall. The speaker unit and the magnetic front grille are then installed. This enables reliable installation and retrofitting, even for complicated installation scenarios.

Special Features

- Very unobtrusive appearance (only the flush-mounted front grille is visible)
- 3-way in-wall system with CD characteristic
- 80° dispersion
- High speech intelligibility
- 6.5" woofer + 6.5" low-mid woofer + 1" tweeter waveguide
- Very linear frequency response
- 240 watts power capacity, 4 ohms
- Small dimensions and installation depth
- High efficiency
- Moisture proof

Fields of Application

- Home Audio
- Surround systems
- Conference rooms
- Gastronomy, hotels
- Shops, sales rooms
- Clubs, discotheques



Dispersion characteristic
DE-X-Speaker (In-Wall Installation)

DE-X 300 CDR Polar

Trimless In-Wall Speaker with Defined Dispersion Angle

Technical Data

Principle	3-way in-wall speaker with CD characteristic
Components	6.5" woofer + 6.5" low-mid woofer + 1" tweeter waveguide
Frequency range	52 Hz – 21 kHz
Impedance	4 ohms
Power capacity	120 watts RMS, 240 watts program
Sensitivity	98 dB SPL (1W@1 m), half-space (flush-mounted)
Maximum SPL	112 dB @ 1 m
Nominal dispersion	80°
Front grille	Precision steel grille with magnetic fastening, adjustable for flush-mounting
Front grille size	336 × 170 mm
Cutout size	342 × 176 mm
Wall/ceiling thickness	8 ... 30 mm
Material	Precision steel assembly frame and grille, powder-coated
Installation depth	100 mm
Weight	3.8 kg
Connectors	Screw type terminals, pluggable
Warranty	5 years

Model

Order No.

Version

DE-X 300 CDR White 0350-0004 RAL 9016

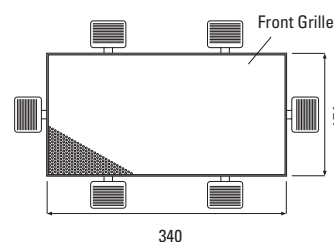
Other colours and versions on request.



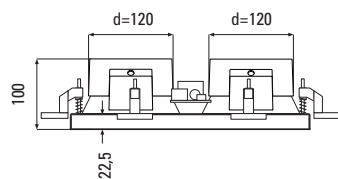
DE-X 300 CDR without grille

Dimensions

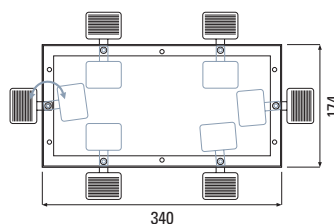
DE-X 300 CDR



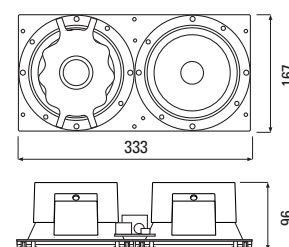
Side View






Assembly Frame



Speaker Unit



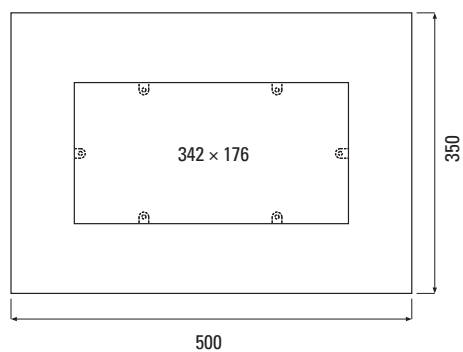
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Back Boxes	Order No.	Version	
	EG 300	2205-0001	Back box for DE 300 R Polar, DE 300 CDR and DE 300 SUB Plastic, dim.: 500 × 350 × 140 mm
	EGB 300	2211-0001	Back box for concrete for DE 300 R Polar, DE 300 CDR and DE 300 SUB, Plastic, dim.: 500 × 350 × 168 mm (incl. PVC rigid foam)
	DE-X Tool	0360-0001	Magnetic holder for effortless insertion and removal of front grille

Dimensions

EG 300

Front

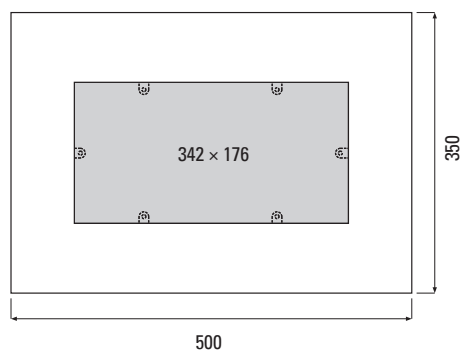


Side

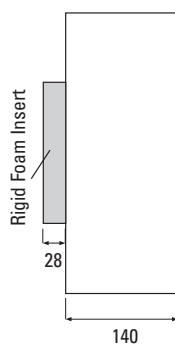


EGB 300

Front



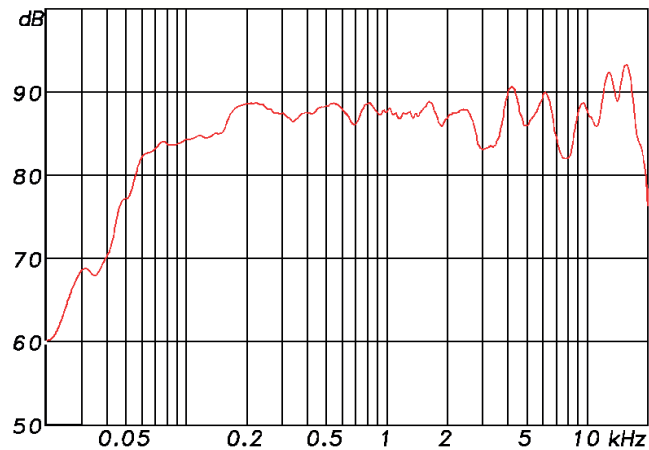
Side



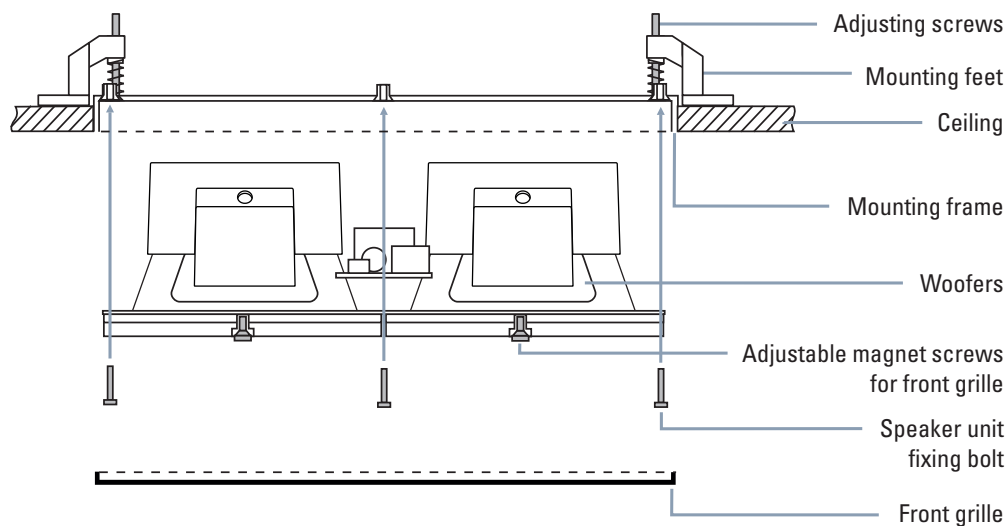
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Measuring Diagram

DE-X 300 CDR Sens. 2,83 V/1m: 89 dB 52 - 20000 Hz (-6 dB) half space



Assembly (ceiling)



Installation steps:

1. Slice cut out size in drywall surface (in solid walls / ceilings insert built-in cabinet of the EG series).
2. Insert assembly frame with mounting feet and swivel mounting feet outwards.
3. To fasten, screw the quick-build screws through the wall into the mounting feet.
4. Adjust assembly frame with adjusting screws until flush, plaster and paint.
5. Connect and insert chassis.
6. Insert front grille and, where necessary, readjust the height-adjustable holding magnets.