



DE 300 R Polar In-Wall / In-Ceiling Speaker



Description

This high-end, built-in speaker with Polar® technology is designed as a three-way system and features the optimum omnidirectional acoustic dispersion typical of the Polar speaker series. The precise tonal balance and elaborate crossover make the DE 300 R Polar the ideal choice for perfect sound reproduction with exceptional low frequency sound.

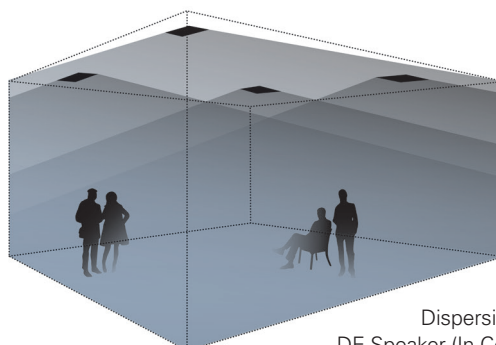
The DE 300 R Polar is comprised of three parts. First, the elegant installation frame is mounted in the ceiling or wall. The speaker unit and the magnetic front grille are then installed. This enables reliable installation and retrofitting, even for complicated installation scenarios.

Special Features

- 3-way system with Polar® technology
- 180° dispersion
- Perfect sound distribution with a small number of loudspeakers
- 6.5" woofer + 6.5" low-mid woofer + 1" dome tweeter
- 120 watts power capacity, 4 ohms
- Very linear frequency response
- High efficiency
- Standard finish: white or black
- Moisture proof

Fields of Application

- Conference rooms
- Gastronomy, hotels
- Home audio
- Shops, sales rooms
- Surround systems



Dispersion characteristic
DE-Speaker (In-Ceiling Installation)

DE 300 R Polar In-Wall / In-Ceiling Speaker

Technical Data

Principle	3-way speaker with Polar® technology
Components	6.5" woofer + 6.5" low-mid woofer + 1" dome tweeter
Frequency range	52 Hz – 21 kHz
Impedance	4 ohms
Power capacity	120 watts RMS, 240 watts program
Sensitivity	89 dB (1 W@1 m), half-space (flush-mounted)
Maximum SPL	112 dB@1 m
Nominal dispersion	180°
Dimensions	358 × 192 mm
Cutout size	342 × 176 mm
Wall thickness	8 ... 30 mm
Installation depth	100 mm
Material	Precision steel assembly frame and grille, powder-coated
Weight	3.8 kg
Connectors	Screw type terminals, pluggable
Warranty	5 years

Model	Order No.	Version
DE 300 R Polar White	0105-0001	RAL 9016
DE 300 R Polar Black	0105-0009	RAL 9005

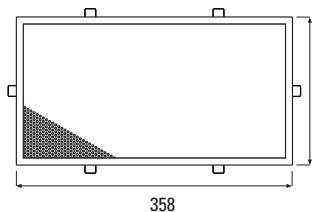
Other colours and versions on request.



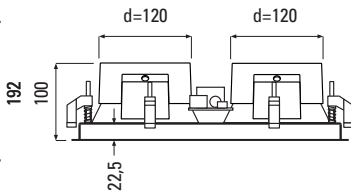
DE 300 R Polar without grille

Dimensions

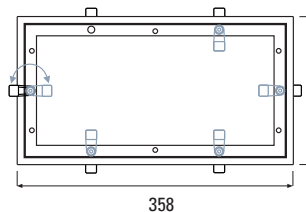
DE 300 R Polar



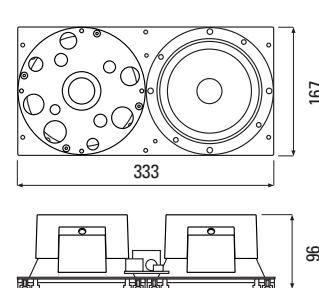
Seitenansicht






Einbaurahmen



Lautsprecher-Chassis



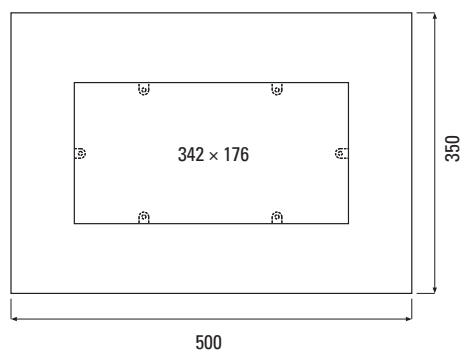
DE 300 R Polar In-Wall / In-Ceiling Speaker

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. rigid foam insert)
	DE-X Tool 0360-0001	Magnetic holder for effortless insertion and removal of front grille

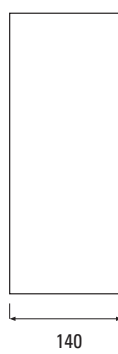
Dimensions

EG 300

Front

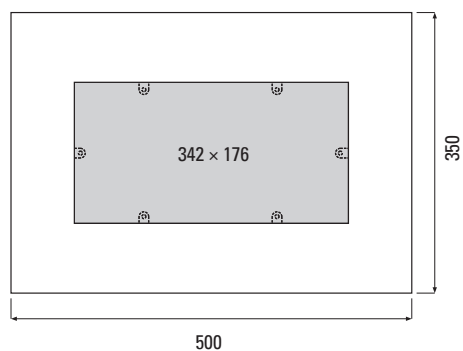


Side

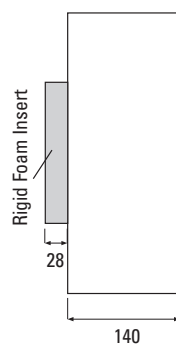


EGB 300

Front



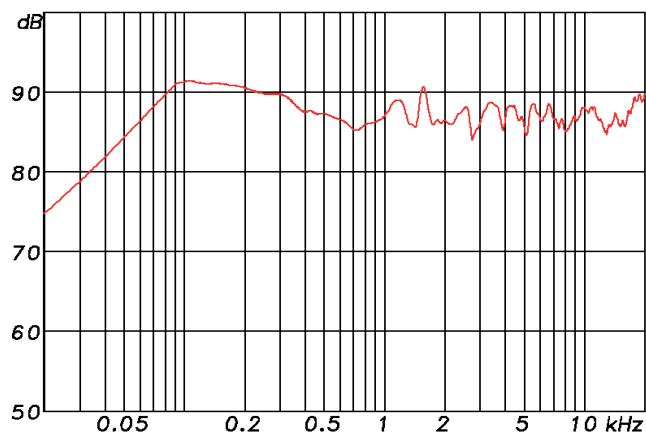
Side



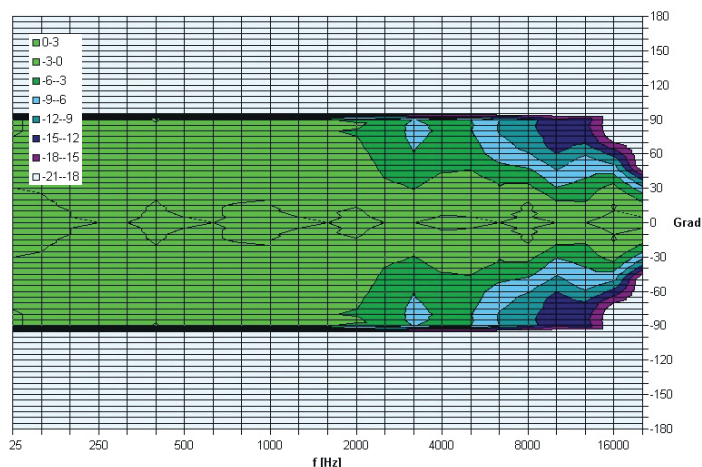
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Measuring Diagrams

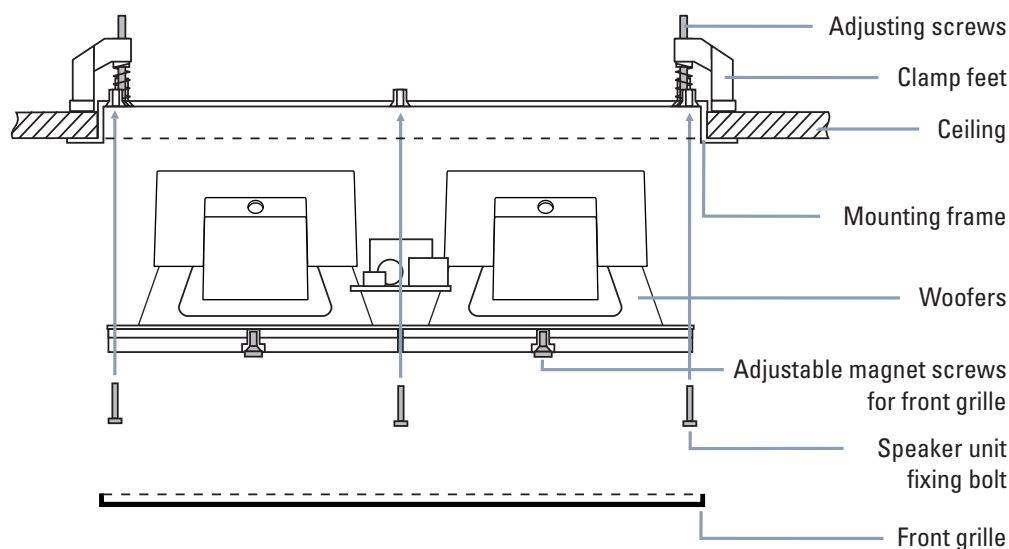
DE 300 R Sens. 2,83 V/1m: 89 dB 52 - 20000 Hz (-6 dB) half space



DE 300 R Polar half space Directivity Plot



Assembly (Ceiling)



Installation steps:

1. Slice cutout size in drywall surface (in massive walls / ceilings insert back box from EG Series).
2. Implement mounting frame with clamp feet, swivel clamp feet outwards.
3. Tighten adjustable screws till frame is fixed.
4. Connect and install speaker unit.
5. Install front grille and if necessary readjust variable magnetic screws.