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

Description

High-end in-ceiling speaker with Polar® technology and excellent low frequency characteristics. The DE 300 R Polar is designed as a 3-way system. It features the perfect omni-directional behavior typical of Polar® speakers. Its precise tonal balance and elaborate crossover make the DE 300 R Polar the perfect choice for immaculate music reproduction even at high volumes.

The DE 300 R Polar is used in home audio systems and professional public address systems where outstanding sound quality and sound distribution are a must.

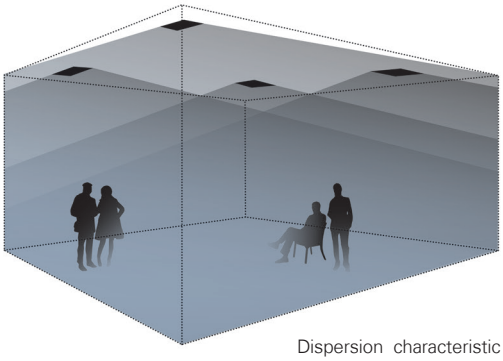
The DE 300 R Polar comprises three parts (assembly frame, speaker unit with internal crossover and front grille) and is installed from the front through the installation opening.

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 stainless steel
- Moisture proof

Fields of Application

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



Dispersion characteristic
DE-Speaker (In-Ceiling Installation)

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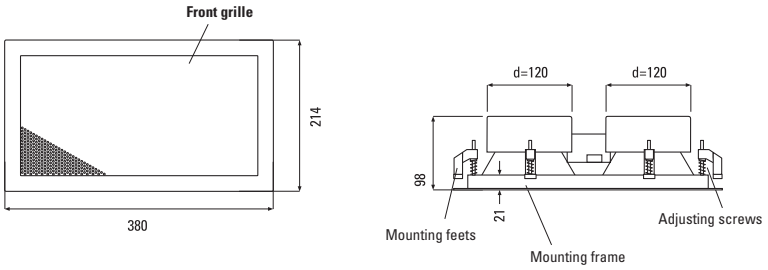
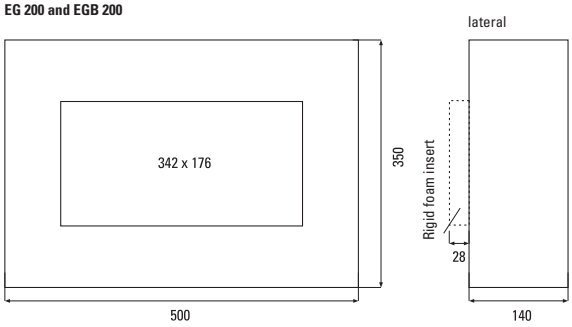
Dimensions

DE 300 R Polar



EG 200 and EGB 200



Technical Data

Principle	3-way speaker with Polar® technology and internal crossover
Components	6.5“ woofer + 6.5“ low-mid woofer + 1“ dome tweeter
Frequency range	52 Hz – 21 kHz
Impedance	4 ohms
Power capacity	RMS 120 watts, program 240 watts
Sensitivity	89 dB (1 W@1 m), half-space (flush-mounted)
Maximum SPL	112 dB@1 m
Nominal dispersion	180°
Dimensions	380 × 214 mm
Cutout size	342 × 176 mm
Installation depth	100 mm
Wall / ceiling thickness	6 – 30 mm
Weight	3.8 kg
Connectors	Screw type terminals, pluggable
Warranty	5 years

Model / Version

DE 300 R Polar White	RAL 9016
DE 300 R Polar Stainless Steel	1.4301, brushed

Other colours and versions on request

Accessories

EG 300

Back box
Dim.: 500 × 350 × 140 mm

EGB 300

Back box for concrete
Dim.: 500 × 350 × 168 mm
(incl. PVC rigid foam)

DE-X-Tool

Magnetic holder for effortless insertion and removal from DE 300 front grille

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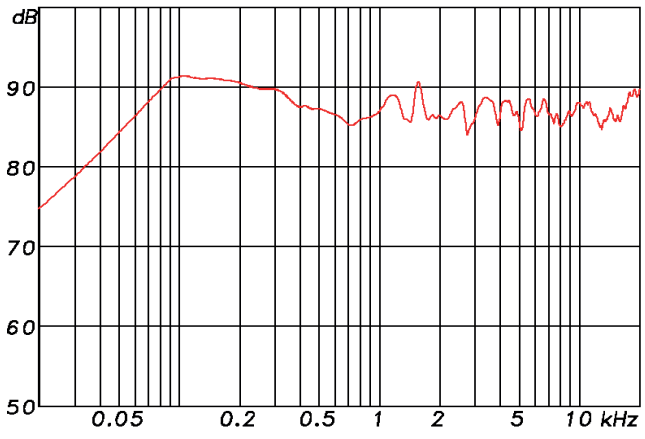
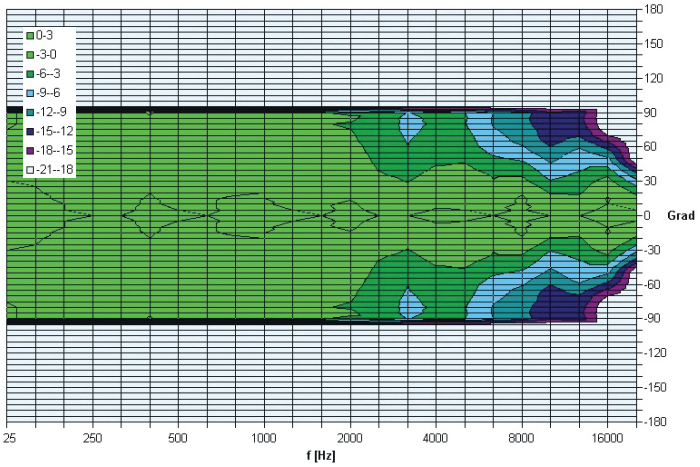
Measuring Diagram

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



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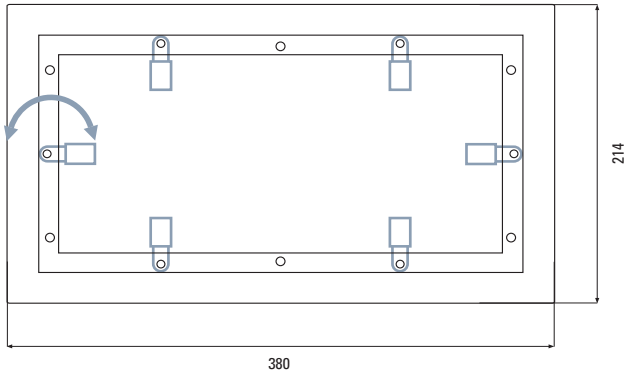
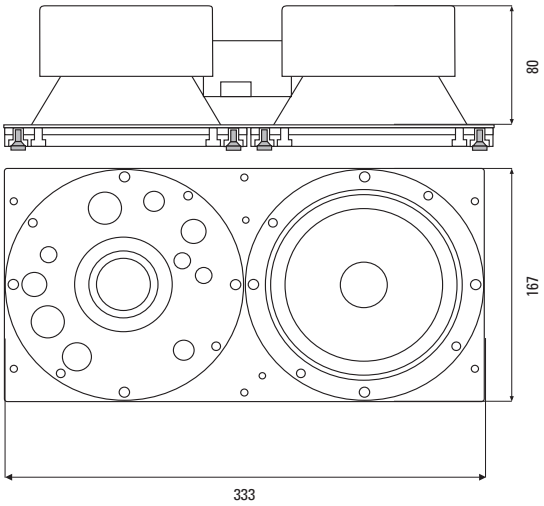
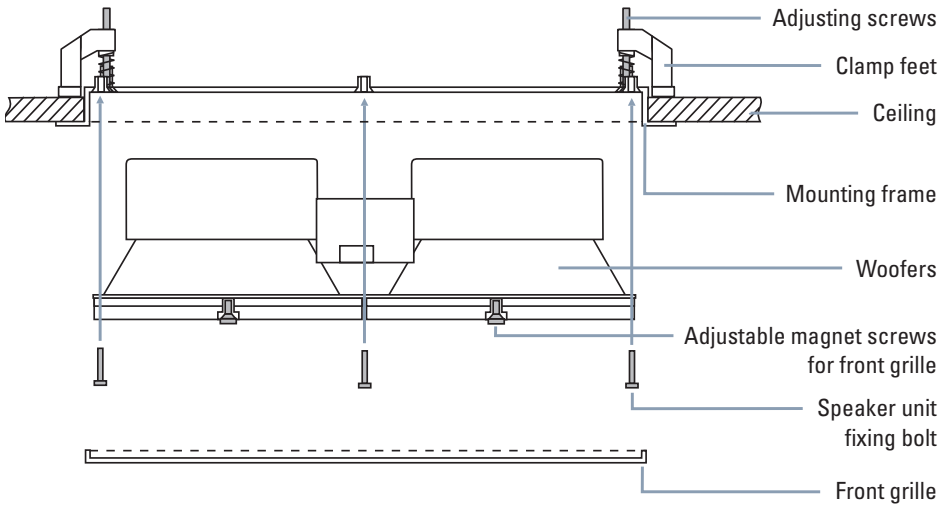
Assembly frame with swiveling mounting feet





Installation (In-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 feets, swivel the clamp feets 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

JAN 2022