

- 2-way full-range loudspeaker system loaded with 2 x 5" / 1"
- Wide coverage, beaming slightly vertically for nearfield applications
- Separate high and low protection circuits for maximum safety
- Unobtrusive, neat design
- 16 Ohm version and 100 V version available

The CA205 is a very compact full-range 2-way loudspeaker system, for high-end speech and music reproduction.

With a coverage of 110 x 60 degrees and two 5" low-mid transducers plus a 1" soft-dome tweeter on a short concentric horn the CA205 is designed for nearfield applications. The linear placement of the two 5" transducers gives a slightly vertical beaming which is perfect for a good nearfield saturation in reverberant rooms - no spillage onto ceilings and other surfaces that cause destructive reflections.

All transducers are built on the same acoustical line, giving perfect time alignment and phase relationship between the transducers. The special rounded shape of the enclosure front gives a better frequency response and even dispersion pattern. The result is a very fine sound with great articulation and good freedom from feedback. Extra safety is given by the good discharge of heat from the aluminium voice coil in the tweeter and the automatic resettable tweeter and woofer protection.

Typical use of the CA205 in: AV rooms, conference rooms, class rooms, theatre and houses of worship (with or without optional subwoofer). Especially for music applications e.g. AV presentation or small clubs, the subbass reproduction and the total overall sound pressure level can be increased by simple parallel connection of a K&F SW115D-XO subwoofer.

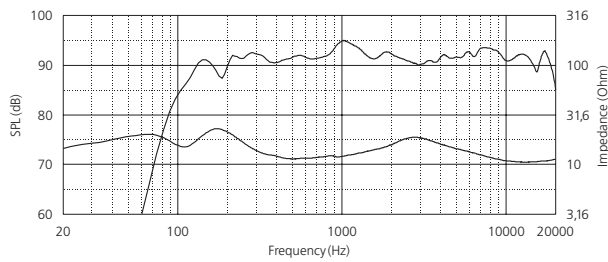
In fixed installations and touring applications we recommend the CA205 for near-field applications where small size and high sound quality are the essentials.



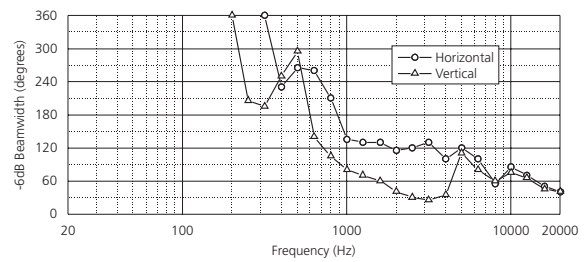
Design	2-way passive-system, bassreflex tuning
Frequency response -10 dB	85 Hz - 20 kHz
Frequency response ±3 dB	120 Hz - 19 kHz
Nominal coverage angles	110° x 60° (hor. x vert.)
Directivity index (DI)	8 (+3,5/-1) 1 kHz - 13 kHz
Power handling	100 Watt
Sensitivity 1 W/1 m	92 dB
Max SPL	118 dB (SPL peak/1 m)
Components	5" woofers (2) 1" soft-dome tweeter on a short concentric horn
Crossover	3,5 kHz 18 dB/Okt. automatic resettable tweeter and woofer protection
Impedance	16 Ω
Connectors	2 x Speakon NL4MP (1+/1-)
Connectors 100 Volt version	barrier strip or 2 x Speakon NL4MP
Additional descriptive data	Trapezoid enclosure 15 mm birch plywood with scratch proof polyurethane grey or white paint 2 x M5 und 3 x M6 internal T-Nuts compatible with variety of mounting hardware black painted perforated steel grille with black acoustical foam
Dimensions	169 x 437 x 168 mm (W x H x D)
Weight	6,5 kg
Weight 100 Volt version	8,2 kg
Options	100 Volt Version with toroidal transformer (50/100/150 VA oder 30 VA), variety of mounting hardware, painted in RAL-colours

CA205

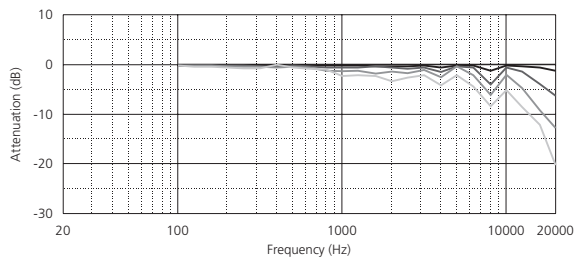
Frequency response "on axis"



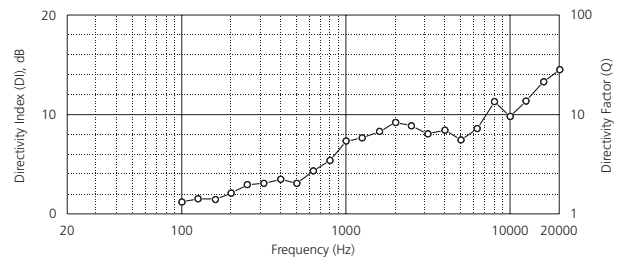
Beamwidth



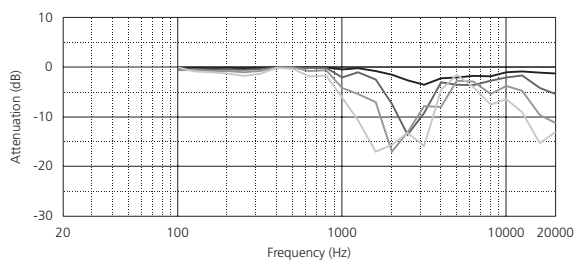
Horizontal frequency response "off axis"



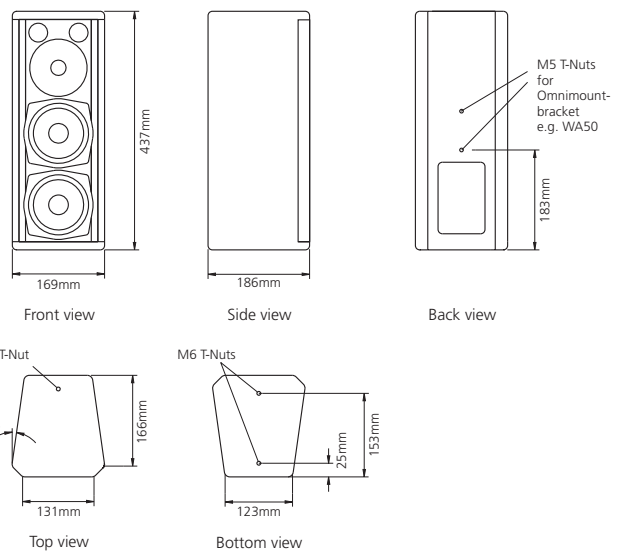
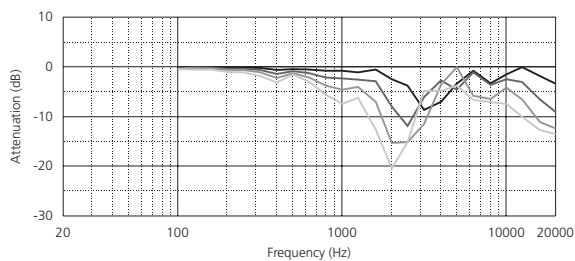
Q-Index



Vertical frequency response "off axis up"



Vertical frequency response "off axis down"



All measurements: Far field conditions. Frequency response 1/6 octave averaged, polar and directivity data 1/3 octave averaged. Kling & Freitag reserves the right to change all specifications without notice. We are not liable for misprints.

Architects' & engineers' specifications

Excellent 2-way full-range loudspeaker system loaded with two 5" woofers and 1" aluminium soft-dome tweeter on a short concentric horn. Integrated crossover with automatic resettable tweeter, woofer protection and passive filter to optimise phase response and time alignment. Two 5" transducers with moisture-proof coating in vertical line for better vertical directivity. CA205 trapezoid enclosure 15 mm birch plywood with scratch proof polyurethane grey or white paint, 2 x M5 and 3 X M6 internal T-Nuts compatible to a variety of mounting hardware, black painted perforated steel grille with black acoustical foam.

Technical specifications:

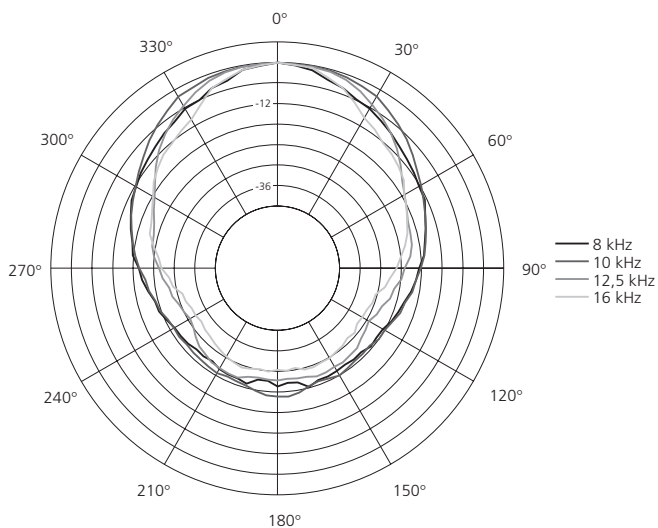
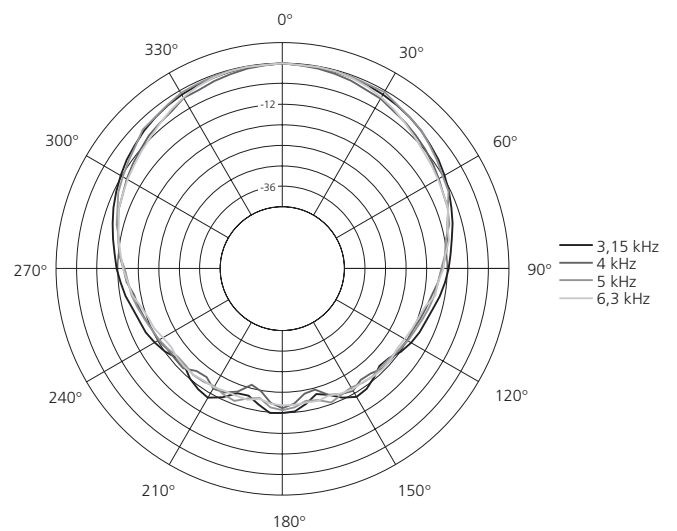
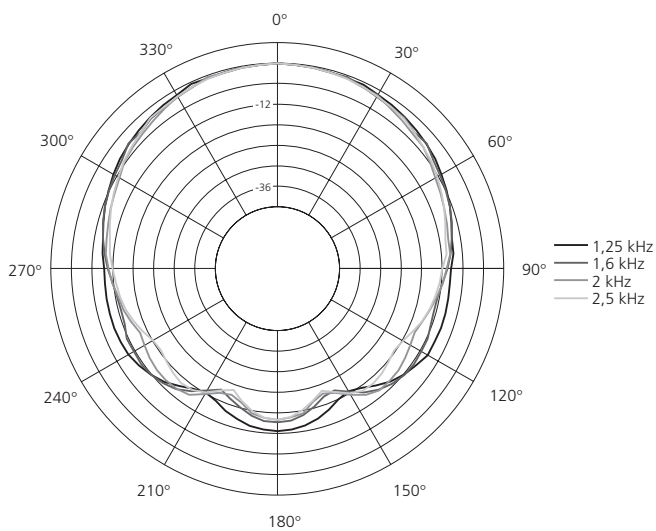
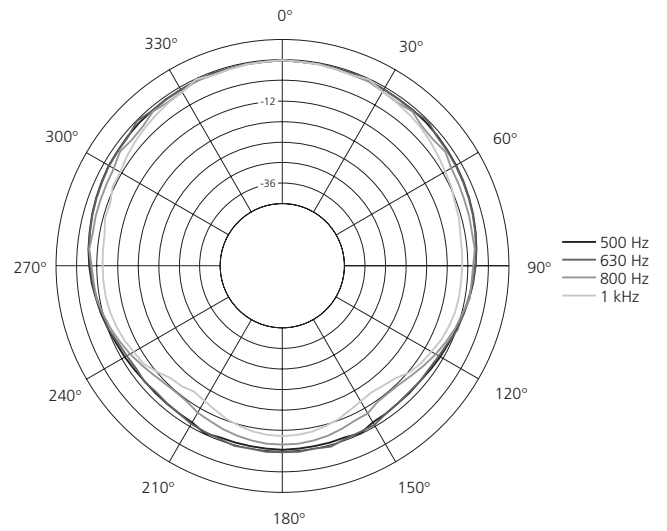
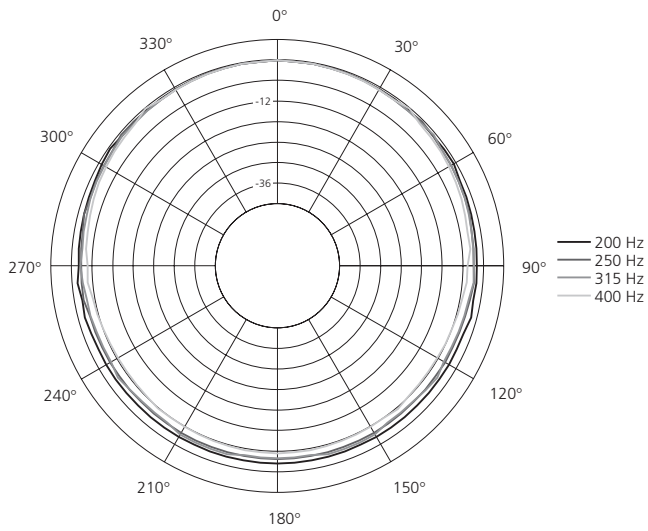
Frequency response: 85 Hz - 20 kHz (-10 dB), 120 Hz - 19 kHz (± 3 dB), Max SPL: 118 dB (SPL peak/1 m), Sensitivity: 92 dB (1 W/1 m), Power handling: 100 W, Impedance: 16 Ω , Dispersion pattern: 110° x 60° (hor. x vert.), Directivity index: 8 (+3.5/-1) 1 kHz - 13 kHz, Connectors: 2 x Speakon NL4MP, Size: (W x H x D) 169 x 437 x 186 mm, Weight: 6.5 kg. Options: painted in RAL colours, 100 V version.

Model: Kling & Freitag CA205

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Horizontal Polar Plots



Vertical Polar Plots

