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 resetable 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 nearfield applications where small size and high sound quality are the essentials.

Design
2-way passive-system, bassreflex tuning

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency response -10 dB</td>
<td>85 Hz - 20 kHz</td>
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<tr>
<td>Frequency response ±3 dB</td>
<td>120 Hz - 19 kHz</td>
</tr>
<tr>
<td>Nominal coverage angles</td>
<td>110° x 60° (hor. x vert.)</td>
</tr>
<tr>
<td>Directivity index (DI)</td>
<td>8 (+3,5/-1) 1 kHz - 13 kHz</td>
</tr>
<tr>
<td>Power handling</td>
<td>100 Watt</td>
</tr>
<tr>
<td>Sensitivity 1 W/1 m</td>
<td>92 dB</td>
</tr>
<tr>
<td>Max SPL</td>
<td>118 dB (SPL peak/1 m)</td>
</tr>
<tr>
<td>Components</td>
<td>5&quot; woofers (2)</td>
</tr>
<tr>
<td>Crossover</td>
<td>3,5 kHz 18 dB/Okt. automatic resetable tweeter and woofer protection</td>
</tr>
<tr>
<td>Impedance</td>
<td>16 Ω</td>
</tr>
<tr>
<td>Connectors 100 Volt version</td>
<td>2 x Speakon NL4MP (1+/1-)</td>
</tr>
<tr>
<td>Connectors</td>
<td>2 x Speakon NL4MP</td>
</tr>
<tr>
<td>Additional descriptive data</td>
<td>Trapezoid enclosure</td>
</tr>
<tr>
<td></td>
<td>15 mm birch plywood with scratch proof</td>
</tr>
<tr>
<td></td>
<td>polyurethane grey or white paint</td>
</tr>
<tr>
<td></td>
<td>2 x M5 und 3 x M6 internal T-Nuts compatible</td>
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<tr>
<td></td>
<td>with variety of mounting hardware</td>
</tr>
<tr>
<td></td>
<td>black painted perforated steel grille</td>
</tr>
<tr>
<td></td>
<td>with black acoustical foam</td>
</tr>
<tr>
<td>Dimensions</td>
<td>169 x 437 x 168 mm (W x H x D)</td>
</tr>
<tr>
<td>Weight</td>
<td>6,5 kg</td>
</tr>
<tr>
<td>Weight 100 Volt version</td>
<td>8,2 kg</td>
</tr>
<tr>
<td>Options</td>
<td>100 Volt Version with toroidal transformer (50/100/150 VA oder 30 VA), variety of mounting hardware, painted in RAL-colours</td>
</tr>
</tbody>
</table>

• 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
**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 resetable 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 \( \Omega \), 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

### 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 resetable 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.

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Horizontal Polar Plots

- 200 Hz
- 230 Hz
- 315 Hz
- 400 Hz

- 500 Hz
- 630 Hz
- 800 Hz
- 1 kHz

- 1,25 kHz
- 1,6 kHz
- 2 kHz
- 2,5 kHz

- 3,15 kHz
- 4 kHz
- 5 kHz
- 6,3 kHz

- 8 kHz
- 10 kHz
- 12,5 kHz
- 16 kHz
Vertical Polar Plots

- 200 Hz
- 250 Hz
- 315 Hz
- 400 Hz

- 500 Hz
- 630 Hz
- 800 Hz
- 1 kHz

- 1.25 kHz
- 1.6 kHz
- 2 kHz
- 2.5 kHz

- 3.15 kHz
- 4 kHz
- 5 kHz
- 6.3 kHz

- 8 kHz
- 10 kHz
- 12 kHz
- 16 kHz