

- 2-way full range system 6.5"/1"
- Innovative 'Full-Passive-Concept' for highest audio quality
- 118 dB max. SPL
- Separate protection circuits for maximum safety
- Very compact size
- Precise coverage starting at 1300 Hz
- 16 Ohm and 100 V versions available



The CA 106 is a very compact full-range 2-way loudspeaker system with 6.5" and 1" transducers. The new "full passive concept" gives the highest possible audio quality without the need of a controller or processor, just connect to a power-amp. With the coverage of 90 x 60 degrees, the CA 106 works in nearfield and medium throw applications. Even at a distance the CA 106 sounds very direct and clear. Music programme is reproduced with easily perfection and astonishing lows, human voice with good articulation. Even at higher level the full-range loudspeaker is free of coloration and distortion. The sound is still dynamic and clear.

In the CA 106, an efficient and powerful 6.5" long excursion loudspeaker in an optimum ported enclosure and a newly designed 1" horn-driver combination, is used. This special driver has an extremely light and stable inverse diaphragm, which is directly assembled to the horn. The minimal depth of the horn-driver combination brings the two transducers on the same acoustical line giving perfect time alignment and perfect phase relationship. A newly designed large CD horn provides consistent pattern control and a very good directivity starting at 1300Hz. This and the good frequency response guarantee good use of the CA 106 even incritical situations (i.e. lavalier microphones).

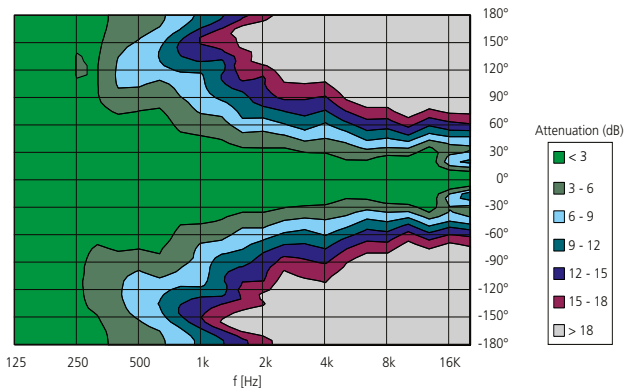
The well-considered asymmetrical design of the CA 106 enclosure and the variety of mounting hardware options allow flexible use in various sound applications. The CA 106 can be used in horizontal and vertical planes. A rotatable horn gives the freedom to adjust the CA 106 for the wanted coverage (e.g. for monitor or cluster-applications).

The CA 106 "full passive concept" gives the user a full quality, cost effective alternative to comparable controller systems on the market.

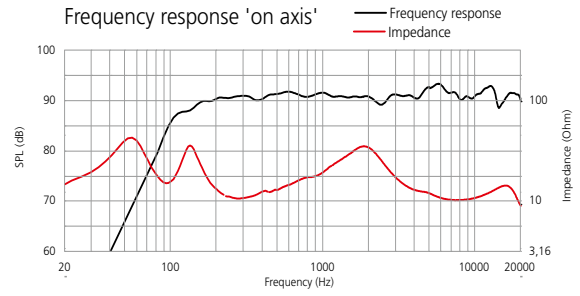
K&F CA 106	
Design	Passive 2-way bass reflex system
Operation with	K&F PLM+ Series, K&F D Series, Lab.gruppen IPD 2400, K&F SystemRack ¹ , K&F TOPAS ¹ , passive with linear amplifiers
Frequency response -10 dB	78 Hz – 22 kHz
Frequency response ±3 dB	88 Hz – 20 kHz
Coverage angles nominal	90° x 60° (hor. x vert.), CD horn rotatable
Power handling nominal	120 watts
Power handling program	240 watts
Power handling peak	480 watts
Max. SPL	118 dB (SPL peak/1 m)
Impedance nominal	16 Ω
Loudspeaker per channel	See matrix
Components	1" High Dome Tweeter with CD-Horn 6.5" Low Mid Chassis
Connectors	2 x speakON® 4-pol NLT4MP (+1/-1) IN parallel to OUT
Enclosure	12 mm multiplex with highly resistant structured paint (PU) in RAL 9005 (black) or RAL 9010 (white), Multi-functional enclosure with monitor and cluster angle, 2 x M6 und 8 x M8 thread inserts, ball-proof steel grill with exchangeable black or grey (white) acoustic foam
Dimensions (W x H x D)	195 x 365 x 206,5 mm
Weight	7 kg
Colour	RAL 9005 (black) RAL 9010 (white) RAL special colour
Options	'AS' axial symmetrical version '100 V' version with 50/100/150 VA toroidal transformer (8.7 kg) 'Barrier strip' instead of 'speakON®' connectors 'Outdoor Mobile'
Accessories	See catalogue or www.kling-freitag.com

¹ Discontinued in October 2015

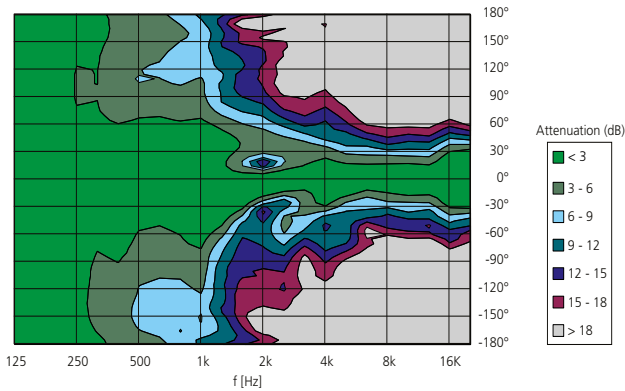
Horizontal coverage pattern



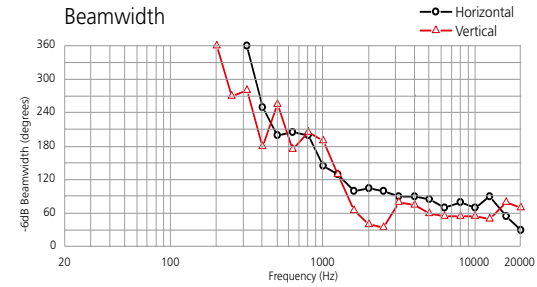
Frequency response 'on axis'



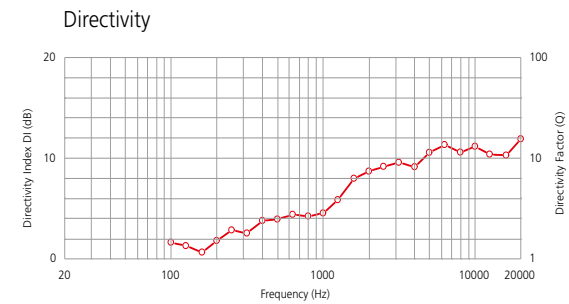
Vertical coverage pattern



Beamwidth



Directivity



All measurements under free field conditions. Frequency patterns 1/6 octave averaged. Coverage and polar pattern 1/3 octave averaged. The manufacturer reserves the right to make product alterations to improve product quality without prior notice. Errors excepted.

