

K&F CA 1515-9 – SP



- 2-way full-range system with integrated driver and power amplifier technology
- 15" low-mid chassis
- 1.5" high-frequency driver on a rotatable 90° x 50° CD horn
- 130 dB max. SPL

The CA 1515-9 – SP is an active plug-and-play full-range system with powerful bass reproduction for high quality, assertive near field and medium-range sound reinforcement.

Even in situations where relatively little equipment is in use, the CA 1515-9 – SP, with its precise radiation characteristics, achieves a broad and extremely homogeneous acoustic coverage.

Natural reproduction of speech and music, even at very high volume levels, characterize the CA 1515-9 – SP. Additional subwoofers can often be dispensed with, even when increased bass response is required. A special phase alignment in the CA 1515-9 – SP optimizes parallel operation with all K&F SP series subwoofers.

Whether as active stage monitor or complete P.A. system; the simple handling and high performance are convincing in a wide range of applications, both in mobile use and installed in theatres, opera houses, discos, live clubs, all-purpose halls or TV and radio studios.

The fan-free system electronics contain the convection-cooled and highly efficient digital 1 kW Class D power amplifier and take care of the specific basic equalization. The elaborate limiter section with RMS and peak limiters ensures a high level of operating safety. Thus equipped one can do without the addition of a controller.

The multifunctional enclosure with 5 flying points, carrying handles and stand adapter make for a quick and secure set-up. The CA 1515-9 – SP is without doubt a highly flexible tool in the highest category of professional active systems.

K&F CA 1515-9 – SP

Design	2-way full-range system with integrated driver and power amplifier technology, bass reflex tuning
Frequency response -10 dB	47 Hz – 22 kHz (FILTERS 'OFF')
Frequency response -10 dB	75 Hz – 19 kHz (FILTERS 'ON' and 'OFF')
Coverage angles nominal	90° x 50° (hor. x vert.), rotatable horn
Max. SPL	130 dB (SPL peak/1 m)
Components	1.5" high frequency driver with 45 mm titanium dome on CD horn 15" low-mid chassis
Connectors	LINE IN: XLR 3 pin female LINE OUT: XLR 3 pin male, parallel with LINE IN Pin 1=ground/Pin 2=+signal/Pin 3=-signal Neutrik PowerCon lockable, 1 input, 1 x output

Input Module

Input sensitivity	+6 dB/1.55 Vrms for rated output
Input impedance	50 kΩ (balanced/unbalanced)
Common mode rejection	Min.: 74 dB, typical: 90 dB
Controls	Level control ±6 dB, bypass switch for the active filters (for operations with K&F System Controller), ground lift switch

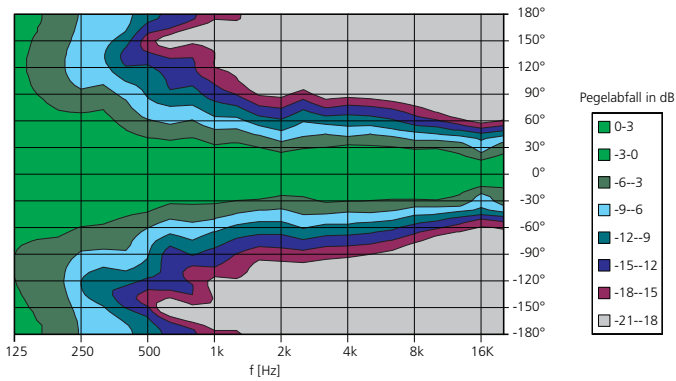
Display	Bi-coloured LED: green=Power On, red=Limit/Protect
Driver circuit	High pass 45 Hz (-3 dB), 24 dB/octave (FILTERS 'ON'), Phase correction, frequency equalisation (EQ), peak limiter, RMS limiter

Amplifier Module

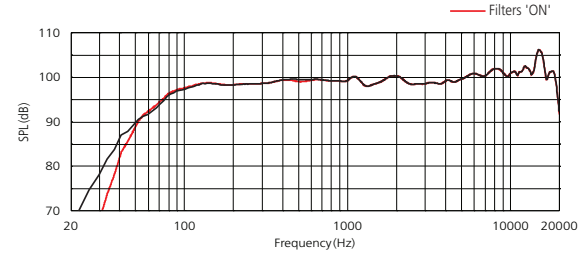
Type	Class D
Power	1000 W @ 8 Ω (EIAJ)
Power bandwidth	10 Hz to 30 kHz
Damping factor	>500 (100 Hz), >100 (10 kHz)
S/N ratio	>105 dB (A)
Cooling	Air convection (without fan)
Protection circuits	Short circuit, over-temperature, clipping, overload
Supply voltage	230 V version: AC 195 – 250 V, 50/60 Hz
alternative	115 V version: AC 95 – 125 V, 50/60 Hz
Power consumption nominal	@ 230 V: 1,25 A @ 115 V: 2,5 A
Burst current (Irms/<500 ms)	@ 230 V: 7 A @ 115 V: 14 A
Idle Current	@ 230 V: 200 mA @ 115 V: 400 mA

Enclosure	Trapezoidal enclosure out of 15 mm multiplex with highly resistable structured paint (PU) in RAL 9005 (black), monitor and cluster angles, 5 flying points 'allSafe Jungfalk', 2 butterfly handles, mounting flange K&M 19656, ball proof steel grille with exchangeable acoustic foam (black) in front of the grille
Dimensions (W x H x D)	434 x 680 x 411 mm
Weight	38.9 kg
Colour	RAL 9005 (black) RAL special colour
Accessories	See catalogue or www.kling-freitag.com

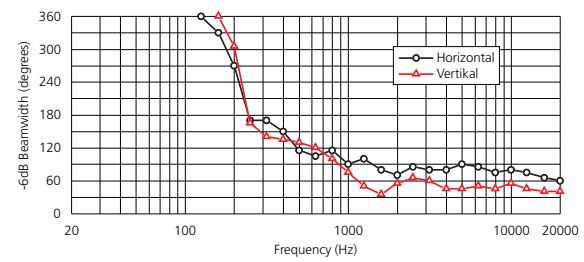
Horizontal radiation pattern



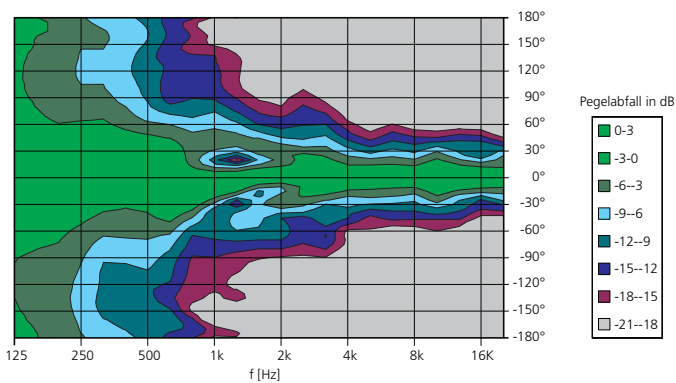
Frequency response 'on axis'



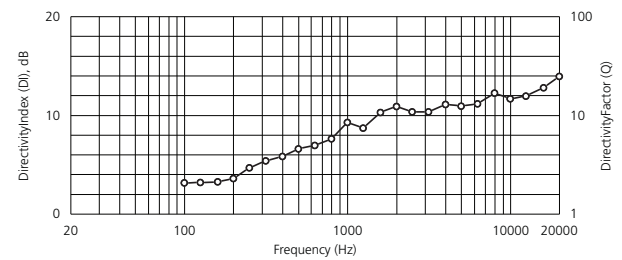
Beamwidth vs. frequency



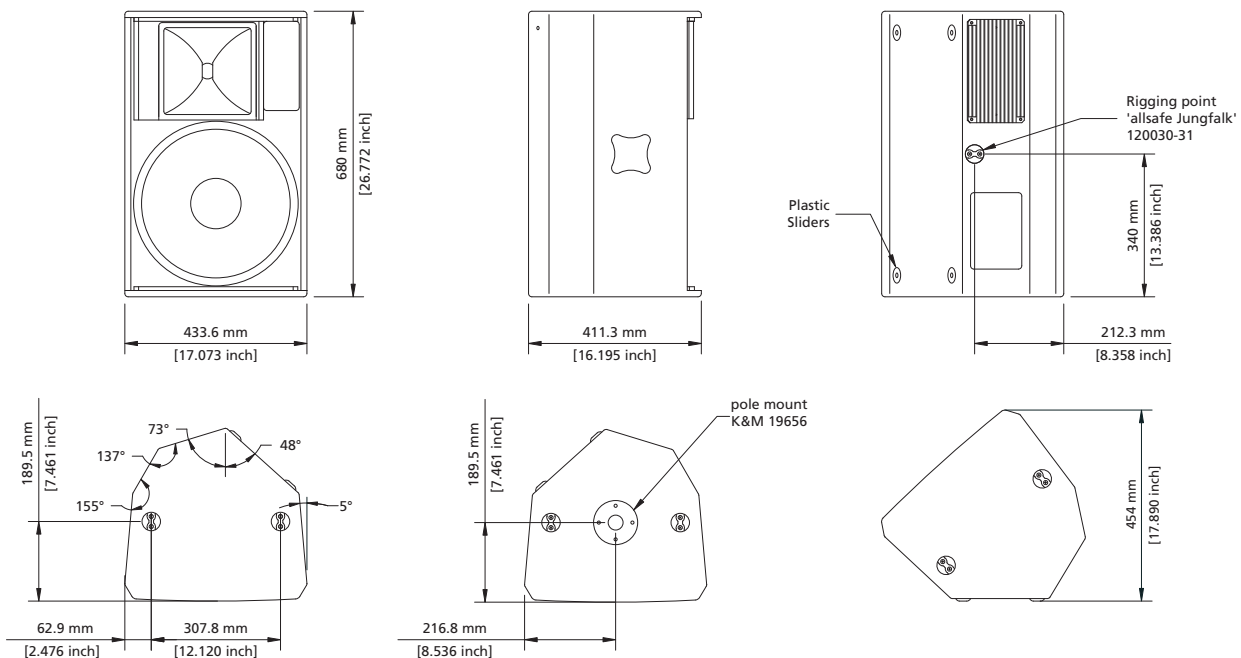
Vertical radiation pattern



Q-Index



All measurements under free field conditions. Frequency diagrams 1/6 octave averaged, radiation 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.



Further information and data like specifications, manuals, technical drawings as DWG, DXF and PDF files as well as data files for acoustic simulations with Ease and Ulysses are available on our web site www.kling-freitag.de

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