K&F LINE 212-6 – SP

Loudspeaker

Design

2+1-way full-range system with integrated driver and power amplifier technology

Frequency range -10 dB

51 Hz – 20 kHz (FILTERS ‘ON’)

65 Hz – 20 kHz (FILTERS ‘OFF’)

49 Hz – 20 kHz (FILTERS ‘OFF’, with Controller)

Frequency range ±3 dB

66 Hz – 18 kHz (FILTERS ‘ON’)

130 Hz – 18 kHz (FILTERS ‘OFF’)

60 Hz – 20 kHz (FILTERS ‘OFF’, with Controller)

Nominal coverage angles

65° x 50° (hor. x vert.)/rotatable horn

Max. SPL

135 dB (SPL peak/1 m)

Components

1 x 1.5” high freq. driver with 75 mm titanium dome,

1 x 12” woofer, 1 x 12” low/mid chassis with horns,

crossover active (1) and passive (2) in FLC-technology,

delay time correction and phase optimisation self-resetting protectioncircuit for 1.5” driver,

Signal 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

Power connectors

1 x Neutrik PowerCon lockable,

1 x input and 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 i.e. 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 (2 x)

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

@ 230 V: 8 A @ 115 V: 16 A

Idle Current

@ 230 V: 360 mA @ 115 V: 720 mA

Enclosure

Trapezoidal enclosure out of 15 mm multiplex with highly resistable structured paint (PU) in RAL 9005 (black), 2 butterfly handles, 4 non-abrasive plastic sliders, stacking grooves for identical enclosures, 4 flying points ‘allsafe Jungfalk’, 2 locking profiles for optional transport cover with castors, ball proof steel grille with exchangeable acoustic foam (black) in front of the grille

Weight

60.5 kg

Colour

RAL 9005 (black)

Dimensions (W x H x D)

429 x 1025 x 510 mm

Option

‘special finish in RAL colours’

Accessories

see catalog or www.kling-freitag.com

The Line 212-6 – SP is a multi-purpose speaker system and is suitable for stand-alone applications or combined with other Line 212 in clusters. Combinations with the 90° x 50° emitting Line 212-9 – SP are also possible. If necessary, the system can be supplemented with additional subwoofers. The speaker can be mounted in vertical or horizontal direction.

The active system electronics contain 2 convection-cooled and highly efficient digital power amplifiers with a total power of 2 kW, an active frequency crossover and the basic equalisation of the Line 212. Optimum operating safety is provided by the elaborate limiter section with its RMS limiter in feed-forward configuration, followed by the peak limiter in feed-back design.

The compact enclosure is equipped with 2 butterfly handles, 5 flying points and a flying track. The optional ‘Click & Fly’ Flyware (BG certified) can be mounted without any tools and allows for flown combinations with the subwoofers SW 215E/ SW 215E – SP.

The Line 212-6 – SP is a flexible and highly effective sound reinforcement tool in the highest category of professional ‘Self-Powered’ speaker systems.
K&F LINE 212-6 – SP

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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