Loudspeaker

Design 2-way full-range system with integrated driver and power amplifier technology, bass reflex tuning

Frequency range -10 dB 54 Hz - 19 kHz (‘FILTERS OFF’)
Frequency range ±3 dB 65 Hz - 18 kHz (‘FILTERS ON’ and ‘FILTERS OFF’)
Coverage angles nominal 90° x 60° (hor. x vert.) / horn rotatable
Directivity index (DI) 10 (+1.5/-1) 1.2 kHz - 16 kHz
Max. SPL 126 dB (SPL Peak/1 m)

Components
- 12” low-mid chassis
- 1” high frequency horn with 40 mm mylar diaphragm on rotatable 90° x 60° CD horn

Crossover Passive, 1.8 kHz 18 dB/octave, self-resetting protection circuits for 12” and 1” chassis

Input Module

Input connectors
- Pin 1 = Masse / Pin 2 = + Signal / Pin 3 = - Signal
- LINE IN: XLR 3 pin female
- LINE OUT: XLR 3 pin male, parallel with LINE IN

Input sensitivity +6 dB / 1.55 Vrms for zero attenuation
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 (e.g. for operations with K&F C2 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,
- Phase correction, frequency deemphasis (EQ), peak limiter, RMS limiter

Amplifier Module

Type Class D
Power 1000 W @ 8 Ω (EIAJ / 1 kHz, 1% THD)
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
- AC 195-250 V, 50 / 60 Hz (230 V version)
- alternative AC 95-125 V, 50 / 60 Hz (115 V version)
Power consumption
- 1 A nominal / 4 A max. (230 V version)
- 2 A nominal / 6.3 A max. (115 V version)
Power connectors Neutrik PowerCon, lockable, one input and one output

Enclosure

Trapezoidal with additional cluster angles, 15 mm birch plywood, highly resistable grey or black structured paint, 2 butterfly handles, mounting flange K&M 19656, ball proof front grille with exchangeable, black acoustic foam

Rigging 5 flying points Ancra Jungfalk
Dimensions 380 x 605 x 375 mm (W x H x D)
Weight 27.5 kg
Options Rigging and mounting hardware, special finish in RAL colours
Horizontal polar pattern

- **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**
- **12.5 kHz**
- **16 kHz**
Vertical polar pattern

**200 Hz**
- 12°
- 36°
- 200 Hz
- 315 Hz
- 400 Hz

**500 Hz**
- 12°
- 36°
- 500 Hz
- 800 Hz
- 1 kHz

**1,25 kHz**
- 12°
- 36°
- 1,25 kHz
- 2 kHz
- 2,5 kHz

**3,15 kHz**
- 12°
- 36°
- 3,15 kHz
- 4 kHz
- 5 kHz
- 6,3 kHz

**8 kHz**
- 12°
- 36°
- 8 kHz
- 10 kHz
- 12 kHz
- 16 kHz
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