

CSF061.70K

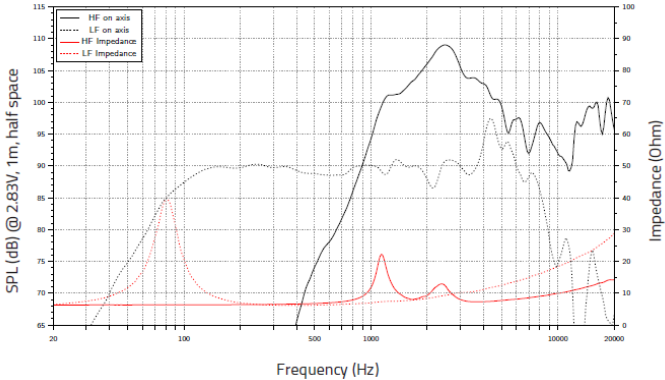
Lavoce

6.5" COAXIAL

FERRITE COMMON HF/LF MAGNET

STEEL BASKET DRIVER

- 1.7 INCH LF EDGEWOUND CCA VOICE COIL
 - 1.4 INCH HF CCAW VOICE COIL
 - 92 dB/SPL SENSITIVITY
 - 300 WATT PROGRAM POWER HANDLING
 - FEM OPTIMIZED COMMON MOTOR, PHASEPLUG AND DIAPHRAGM
 - 95 - 20000 Hz FREQUENCY RANGE
 - 100° NOMINAL COVERAGE
 - POLYIMIDE HF DIAPHRAGM
 - DOUBLE ALUMINIUM DEMODULATING RINGS
 - COMPACT AND LIGHTWEIGHT DESIGN



GENERAL SPECIFICATIONS LF

Nominal Diameter	165 mm (6.5 in)
Nominal Impedance	8 ohm
Minimum Impedance	5.9 ohm
Program Power	300 W Program power is defined as 3 dB greater than AES Power.
AES Power Rating	150 W Tested in free air for two hours using a continuous: LF: band-limited pink noise signal as per AES 2-1984 Rev. 2003.HF: band-limited (2000-20000 Hz, 12dB/oct.) pink noise signal as per AES 2-1984 Rev. 2003.
Sensitivity	92 dB LF: From T/S parameters, measured with Klippel DA LPM module.HF: Measured on axis at 2.83V, 1m, SPL averaged in the frequency range 1500 ÷ 20000 Hz.
Frequency Range	95 ÷ 6000 Hz
Voice Coil Diameter	44 mm (1.7 in)
Chassis Material	STEEL
Magnet Material	FERRITE
Magnet Dimensions OD X ID X H	130 x 57 x 14 mm (5.12 x 2.24 x 0.55 in)
Coil Material	EDGEWOUND CCA
Former Material	GLASS FIBER
Cone Material	WATER PROOF TREATED PAPER
Surround Material	POLYCOTTON
Flux Density	0,95 T
Xmax	3.9 mm (0.15 in) The Xmax is calculated as: (Hvc - Hg)/2+ Hg/4. Hvc is the voice coil height and Hg the gap height.
Xmech	6.4 mm (0.25 in) The Xmech is calculated as: (Hvc - Hg)/2 +(Hg-2). Hvc is the voice coil height and Hg the gap height.
Gap Height	6 mm (0.24 in)
Voice Coil Winding Height	10.7 mm (0.42 in)
Driver Displacement Volume	0.7 l (0.02 ft³)
Recommended Enclosure	9 l (0.32 ft³)
Recommended Tuning	Sealed

Recommended Crossover	- High pass filter with slope 12dB/oct. or higher.
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GENERAL SPECIFICATIONS HF

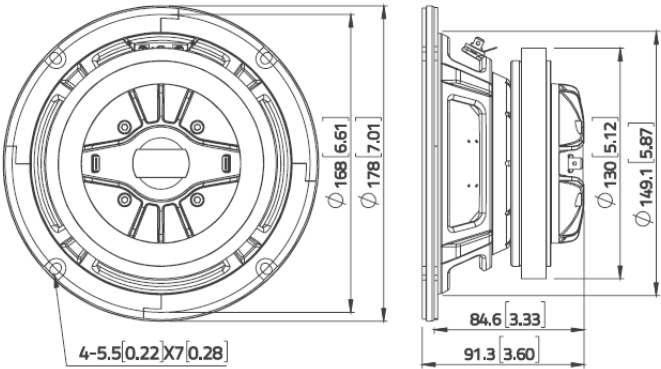
HF Exit	25.4 mm (1 in)
Nominal Impedance	8 ohm
Minimum Impedance	7.5 ohm
Program Power	70 W Program power is defined as 3 dB greater than AES Power.
AES Power Rating	35 W Tested in free air for two hours using a continuous: LF: band-limited pink noise signal as per AES 2-1984 Rev. 2003.HF: band-limited (2000-20000 Hz, 12dB/oct.) pink noise signal as per AES 2-1984 Rev. 2003.
Sensitivity	103.5 dB LF: From T/S parameters, measured with Klippel DA LPM module.HF: Measured on axis at 2.83V, 1m, SPL averaged in the frequency range 1500 ÷ 20000 Hz.
Frequency Range	1500÷20000 Hz
Voice Coil Diameter	35 mm (1.4 in)
Coil Material	CCAW
Former Material	KAPTON
HF Dome Material	POLYAMIDE
Surround Material	POLYIMIDE
Flux Density	1,3 T
Recommended Crossover	2200 Hz High pass filter with slope 12dB/oct. or higher.

SMALL SIGNAL PARAMETERS LF

Thiele-Small parameters are measured after preconditioning: a) at 20°C- 22°C, 50% humidity for 2 hours; b) by Klippel LSI measurement.

DC Resistance (Re)	5.6 ohm
Diaphragm Area (Sd)	143 cm² (22.17 in²)
Resonance Frequency (Fs)	97 Hz
Moving Mass (Mms)	11.9 g (0.42 oz)
Compliance (Cms)	0.23 mm/N
Force Factor (BxL)	6.9 N/A
Mechanical Q-Factor (Qms)	3.76
Electrical Q Factor (Qes)	0,85
Total Q-Factor (Qts)	0.69
Equivalent Air Volume (Vas)	6.5 l (0.23 ft³)
Voice Coil Inductance (Le)	0.3 mH
Reference Efficiency (Eta 0)	0.7 %
Efficiency Bandwidth Product (EBP)	114 Hz

DIMENSIONS



SHIPPING INFORMATION

Net Weight	2 kg (4.4 lb)
Multipack Quantity	4
Multipack size W x D x H	410 mm x 224 mm x 269 mm (16.1 in x 8.8 in x 10.6 in)
Multipack Weight	9.9 kg (21.83 lb)

