

WAF102.50A-16

Lavoce

10" WOOFER

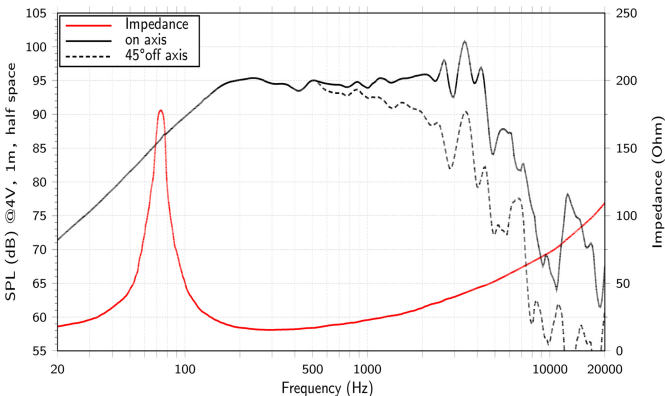
FERRITE MAGNET

ALUMINIUM BASKET DRIVER

- 2.5 INCH CCAW VOICE COIL- 96,5 dB/SPL SENSITIVITY- 500 WATT

PROGRAM POWER HANDLING- FEM OPTIMIZED MOTOR AND

SUSPENSIONS- OPTIMIZED COOLING SYSTEM



GENERAL SPECIFICATIONS

Nominal Diameter	250 mm (10 in)
Nominal Impedance	16 ohm
Minimum Impedance	15.4 ohm
Program Power	500 W Program power is defined as 3 dB greater than AES Power.
AES Power Rating	250 W Tested for two hours using a continuous, band-limited pink noise signal as per AES 2-1984 Rev. 2003. Loudspeaker tested in free air.
Sensitivity	96.5 dB From T/S parameters, measured with Klippel DA LPM module.
Frequency Range	70 ÷ 4000 Hz
Voice Coil Diameter	65 mm (2.5 in)
Chassis Material	ALUMINIUM
Magnet Material	FERRITE
Magnet Dimensions OD x ID x h	155 x 80 x 20 mm (6.1 x 3.15 x 0.79 in)
Coil Material	EDGEWOUND CCA
Former Material	GLASS FIBER
Cone Material	Water Proof Treated Paper + Water Proof Front Side Treatment
Surround Material	POLYCOTTON
Xmax	5.5 mm (0.22 in) The Xmax is calculated as: (Hvc - Hg)/2 + Hg/4. Hvc is the voice coil height and Hg the gap height.
Xmech	9.5 mm (0.37 in) The Xmech is calculated as: (Hvc - Hg)/2 + (Hg-2). Hvc is the voice coil height and Hg the gap height.
Gap Height	8 mm (0.31 in)
Voice Coil Winding Height	15 mm (0.59 in)
Driver Displacement Volume	1.5 l (0.053 ft³)
Recommended Enclosure	39 l (1.377 ft³)
Recommended Tuning	70 Hz

SMALL SIGNAL PARAMETERS

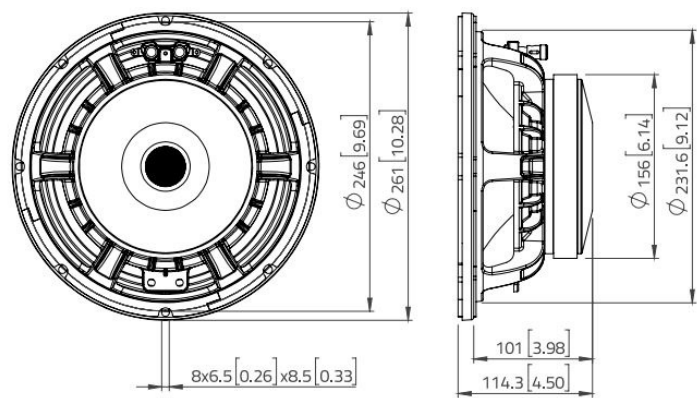
Thiele-Small parameters are measured after preconditioning: a) at 20°C- 22°C, 50% humidity for 2 hours; b) by Klippel LSI measurement.

DC Resistance (Re)	13.2 ohm
Diaphragm Area (Sd)	350 cm² (54.25 in²)

All the specifications subject to change without notice.

Resonance Frequency (Fs)	74 Hz
Moving Mass (Mms)	32.8 g (1.157 oz)
Compliance (Cms)	0.141 mm/N
Force Factor (BxL)	21.64 N/A
Mechanical Q-Factor (Qms)	5.16
Electrical Q-Factor (Qes)	0.43
Total Q-Factor (Qts)	0.4
Equivalent Air Volume (Vas)	24.44 l (0.863 ft³)
Voice Coil Inductance (Le)	1.42 mH
Reference Efficiency (Eta 0)	2.22 %
Efficiency Bandwidth Product (EBP)	172 Hz

DIMENSIONS



SHIPPING INFORMATION

Net Weight	4.7 kg (10.362 lb)
Multipack Quantity	1
Multipack size W x D x H	300 mm x 300 mm x 155 mm (11.8 in x 11.8 in x 6.1 in)
Multipack Weight	5.5 kg (12.13 lb)

