

WSN152.50

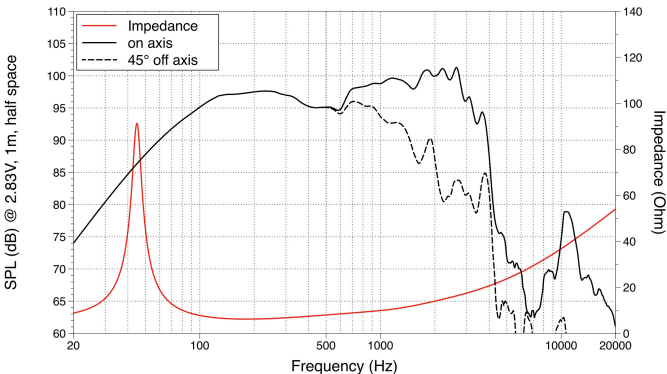
Lavoce

15" WOOFER

NEODYMIUM MAGNET

STEEL BASKET DRIVER

- 2.5 INCH CCAW VOICE COIL
- 97,5 dB/SPL SENSITIVITY
- 500 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED MOTOR AND SUSPENSIONS
- RESONANCE FREE AND HEAVY DUTY BASKET DESIGN
- TRIPLE ROLL SURROUND



GENERAL SPECIFICATIONS

Nominal Diameter	380 mm (15 in)
Nominal Impedance	8 ohm
Minimum Impedance	6.2 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	97.5 dB From T/S parameters, measured with Klippel DA LPM module.
Frequency Range	45 ÷ 3000 Hz
Voice Coil Diameter	65 mm (2.5 in)
Chassis Material	STEEL
Magnet Material	NEODYMIUM
Magnet Dimensions OD x ID x h	64 x 8 mm (2.52 x 0.31 in)
Coil Material	COPPER
Former Material	GLASS FIBER
Cone Material	WATER RESISTANT TREATED PAPER + WATER PROOF FRONT SIDES TREATMENT
Surround Material	POLYCOTTON
Xmax	4.7 mm (0.19 in) The Xmax is calculated as: (Hvc - Hg)/2 + Hg/4. Hvc is the voice coil height and Hg the gap height.
Xmech	8.8 mm (0.35 in) The Xmech is calculated as: (Hvc - Hg)/2 +(Hg-2). Hvc is the voice coil height and Hg the gap height.
Gap Height	8.2 mm (0.32 in)
Voice Coil Winding Height	13.4 mm (0.53 in)
Driver Displacement Volume	3.3 l (0.117 ft³)
Recommended Enclosure	100.8 l (3.56 ft³)
Recommended Tuning	50 Hz

SMALL SIGNAL PARAMETERS

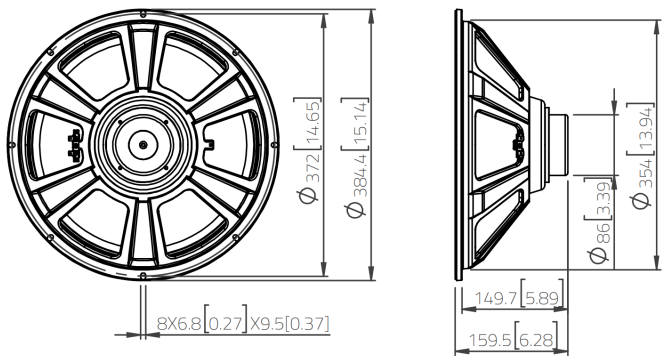
Thiele–Small parameters are measured after preconditioning: a) at 20°C– 22°C, 50% humidity for 2 hours; b) by Klippel LSI measurement.

DC Resistance (Re)	5.6 ohm
Diaphragm Area (Sd)	855 cm² (132.525 in²)

All the specifications subject to change without notice.

Resonance Frequency (Fs)	43 Hz
Moving Mass (Mms)	90.5 g (3.192 oz)
Compliance (Cms)	0.155 mm/N
Force Factor (BxL)	16.24 N/A
Mechanical Q-Factor (Qms)	10.22
Electrical Q-Factor (Qes)	0.52
Total Q-Factor (Qts)	0.49
Equivalent Air Volume (Vas)	159.9 l (5.647 ft³)
Voice Coil Inductance (Le)	0.773 mH
Reference Efficiency (Eta 0)	2.3 %
Efficiency Bandwidth Product (EBP)	83 Hz

DIMENSIONS



SHIPPING INFORMATION

Net Weight	2.6 kg (5.732 lb)
Multipack Quantity	1
Multipack size W x D x H	445 mm x 445 mm x 205 mm (17.5 in x 17.5 in x 8.1 in)
Multipack Weight	5 kg (11.02 lb)

