

WSF101.82

Lavoce

10" WOOFER

FERRITE MAGNET
STEEL BASKET DRIVER



- 1.8 INCH VOICECOIL
- 97 dB/SPL SENSITIVITY
- 250 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED FERRITE MOTOR AND SUSPENSION
- RESONANCE FREE AND HEAVY DUTY BASKET DESIGN
- SMOOTH FREQUENCY RESPONSE

GENERAL SPECIFICATIONS

Nominal diameter	mm (in.)	250 (10)
Nominal impedance	Ω	8
Minimum impedance	Ω	6,5
Program power (1)	W	250
AES Power rating (2)	W	125
Sensitivity (3)	dB	97
Frequency range	Hz	65 ÷ 4800
Voice coil diameter	mm (in.)	45 (1.8)
Chassis material	Steel	
Magnet material	Ferrite	
Magnet dimensions OD x ID x h	mm (in.)	130 x 60 x 18 (5.1 x 2.36 x 0.7)
Coil material	Copper	
Former material	Glass fiber	
Cone material	Water Proof Treated Paper	
Surround material	Polycotton	
Xmax (4)	mm (in.)	4,5 (0.18)
Xmech (5)	mm (in.)	7 (0.28)
Gap height	mm (in.)	6 (0.24)
Voice coil winding height	mm (in.)	12 (0.47)

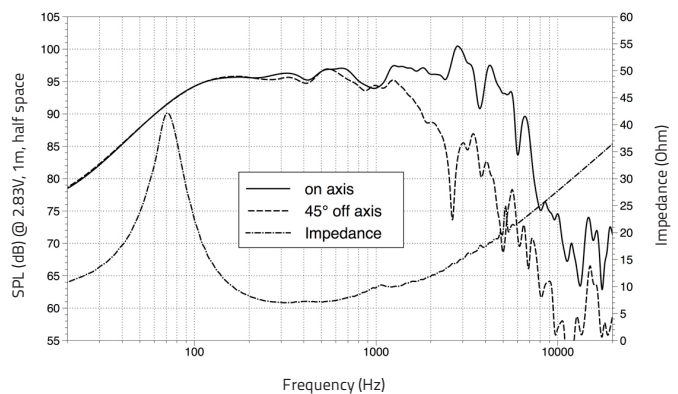
SMALL SIGNAL PARAMETERS

DC resistance	Re	Ohm	5,8
Resonance frequency	Fs	Hz	65
Moving mass	Mms	g (oz)	27,5 (0.95)
Compliance	Cms	mm/N	0,21
Force factor	BxL	N/A	11,5
Mechanical Q-factor	Qms		5,00
Electrical Q-factor	Qes		0,50
Total Q-factor	Qts		0,45
Equivalent air volume	Vas	l (ft ³)	37 (1.3)
Voice coil Inductance	Le	mH	0,58
Diaphragm area	Sd	cm ² (in. ²)	352 (138.6)
Reference efficiency	Eta 0	%	2

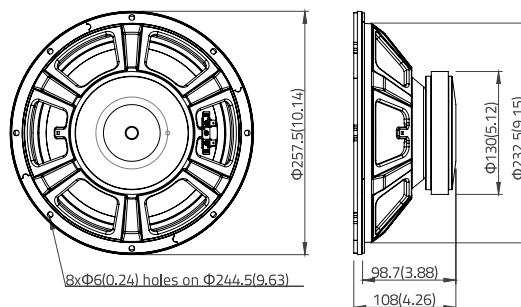
SHIPPING INFORMATION

Net weight	Kg (lb.)	2,6 (5.7)
Multipack size (4)	mm x mm x mm (in. x in. x in.)	550 x 325 x 270 (21.6 x 12.8 x 10.6)
Multipack weight	Kg (lb.)	13,0 (28.7)

FREQUENCY RESPONSE



DIMENSIONS mm (in.)



(1) Program power is defined as 3 dB greater than AES Power. (2) Tested for two hours using a continuous, band-limited pink noise signal as per AES 2-1984 Rev. 2003. Loudspeaker tested in free air. (3) From T/S parameters, measured with Klippel DA LPM module. (4) The Xmax is calculated as: $(Hvc - Hg)/2 + Hg/4$. Hvc is the voice coil height and Hg the gap height. (5) The Xmech is calculated as: $(Hvc - Hg)/2 + (Hg - 2)$. Hvc is the voice coil height and Hg the gap height. (6) Thiele-Small parameters are measured after preconditioning: a) at 20°C - 22°C, 50% humidity for 2 hours; b) by Klippel LSI measurement.

