

WSF030.70

Lavoce

3" WOOFER

FERRITE MAGNET
STEEL BASKET DRIVER



- 0.75 INCH COPPER VOICE COIL
- 85.5 dB/SPL SENSITIVITY
- 60 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED MOTOR AND SUSPENSIONS
- RESONANCE FREE AND HEAVY DUTY BASKET DESIGN
- RUBBER SURROUND MATERIAL

GENERAL SPECIFICATIONS

Nominal diameter	mm (in.)	70 (3)
Nominal impedance	Ω	8
Minimum impedance	Ω	6,9
Program power (1)	W	60
AES Power rating (2)	W	30
Sensitivity (3)	dB	85,5
Frequency range	Hz	100 ÷ 2000
Voice coil diameter	mm (in.)	20 (0.75)
Chassis material	Steel	
Magnet material	Ferrite	
Magnet dimensions OD x ID x h	mm (in.)	70 x 32 x 15 (2.76 x 1.26 x 0.6)
Coil material	Copper	
Former material	Glass Fiber	
Cone material	Aluminium	
Surround material	Rubber	
Xmax (4)	mm (in.)	3,3 (0.13)
Xmech (5)	mm (in.)	4,3 (0.17)
Gap height	mm (in.)	4 (0.16)
Voice coil winding height	mm (in.)	8,5 (0.33)
Driver displacement volume	l (ft ³)	0,111 (0.004)

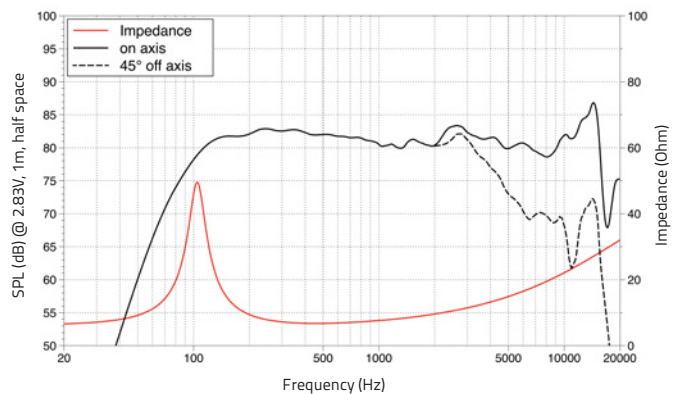
SMALL SIGNAL PARAMETERS

DC resistance	Re	Ohm	6,12
Resonance frequency	Fs	Hz	109
Moving mass	Mms	g (oz)	3,5 (0.12)
Compliance	Cms	mm/N	0,6
Force factor	BxL	N/A	4,58
Mechanical Q-factor	Qms		4
Electrical Q-factor	Qes		0,7
Total Q-factor	Qts		0,6
Equivalent air volume	Vas	l (ft ³)	0,95 (0.03)
Voice coil Inductance	Le	mH	0,35
Diaphragm area	Sd	cm ² (in. ²)	33 (5.12)
Reference efficiency	Eta 0	%	0,17

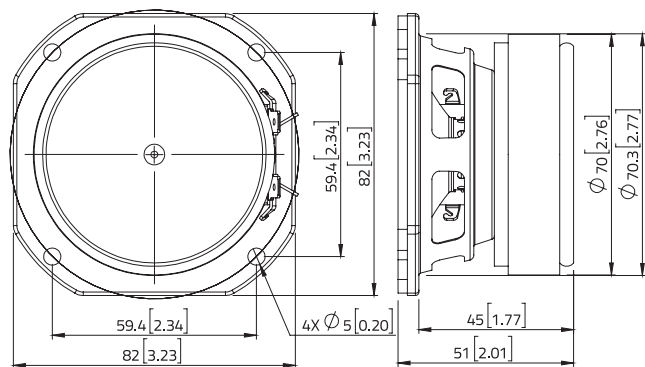
SHIPPING INFORMATION

Net weight	kg (lb.)	0,5 (1.1)
Multipack size (20)	mm (in.)	458 x 210 x 150 (18.3 x 8.3 x 5.9)
Multipack weight	kg (lb.)	11,4 (25.1)

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.

All specifications subject to change without notice_C.a

