

FSF122.02

Lavoce

12" FULLRANGE

FERRITE MAGNET
STEEL BASKET DRIVER



- 1.8 INCH COPPER VOICE COIL
- 98,5 dB/SPL SENSITIVITY
- 300 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED MOTOR AND SUSPENSIONS
- DUAL CONE FOR EXTENDED FREQUENCY RESPONSE
- SMOOTH AND SILKY TONE
- RESONANCE FREE AND HEAVY DUTY STEEL BASKET DESIGN

GENERAL SPECIFICATIONS

Nominal diameter	mm (in.)	300 (12)
Nominal impedance	Ω	8
Minimum impedance	Ω	6,4
Program power (1)	W	300
AES Power rating (2)	W	150
Sensitivity (3)	dB	98,5
Frequency range	Hz	60 ÷ 10000
Voice coil diameter	mm (in.)	45 (1.8)
Chassis material	Steel	
Magnet material	Ferrite	
Magnet dimensions OD x ID x h	mm (in.)	155 x 80 x 20 (6.1 x 3.15 x 0.79)
Coil material	Copper	
Former material	Polyimide	
Cone material	Water Proof Treated Paper	
Surround material	Polycotton	
Xmax (4)	mm (in.)	3 (0.12)
Xmech (5)	mm (in.)	7 (0.28)
Gap height	mm (in.)	8 (0.31)
Voice coil winding height	mm (in.)	10 (0.39)
Driver displacement volume	l (ft ³)	2,32 (0.082)

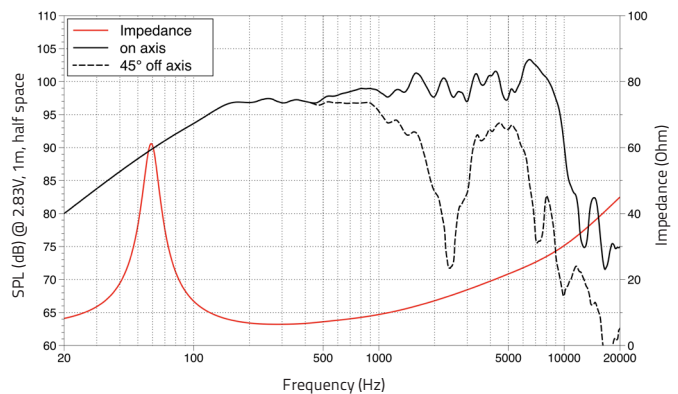
SMALL SIGNAL PARAMETERS

DC resistance	Re	Ohm	5,85
Resonance frequency	Fs	Hz	57
Moving mass	Mms	g (oz)	39,1 (1.38)
Compliance	Cms	mm/N	0,2
Force factor	BxL	N/A	14,4
Mechanical Q-factor	Qms		5,67
Electrical Q-factor	Qes		0,4
Total Q-factor	Qts		0,37
Equivalent air volume	Vas	l (ft ³)	69,5 (2.45)
Voice coil Inductance	Le	mH	0,55
Diaphragm area	Sd	cm ² (in. ²)	499 (77.35)
Reference efficiency	Eta 0	%	3,17

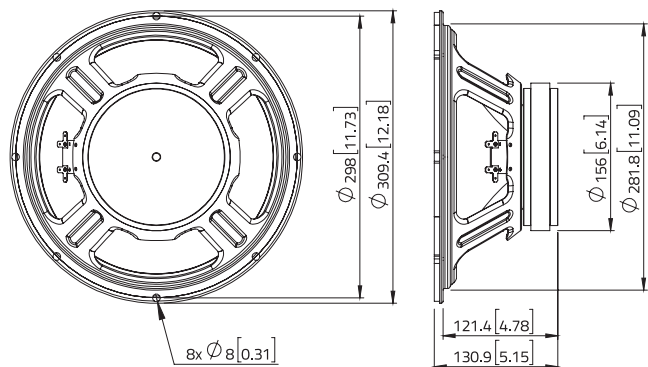
SHIPPING INFORMATION

Net weight	kg (lb.)	4,4 (9.7)
Multipack size (1)	mm (in.)	356 x 356 x 173 (14 x 14 x 6.8)
Multipack weight	kg (lb.)	5,7 (12.6)

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.b

