WAN153.00

Lavoce

15" WOOFER
NEODYMIUM MAGNET
ALUMINIUM BASKET DRIVER

– 3 INCH CCAW VOICE COIL
– 98 dB/SPL SENSITIVITY
– 1000 WATT PROGRAM POWER HANDLING
– FEM OPTIMIZED MOTOR AND SUSPENSIONS
– OPTIMIZED COOLING SYSTEM

GENERAL SPECIFICATIONS

Nominal diameter	mm (in.)	380 (15)
Nominal impedance	Ω	8
Minimum impedance	Ω	5,3
Program power (1)	W	1000
AES Power rating (2)	W	500
Sensitivity (3)	dB	98
Frequency range	Hz	45 ÷ 3000
Voice coil diameter	mm (in.)	75 (3)
Chassis material	Aluminium	
Magnet material	Neodymium	
Magnet dimensions OD x ID x h	mm (in.)	75 x 10 (2.95 x 0.39)
Coil material	CCAW	
Former material	Glass Fiber	
Cone material	Water Resistant Treated Paper + Water Proof Front Side Treatment	
Surround material	Polycotton	
Xmax (4)	mm (in.)	7 (0.28)
Xmech (5)	mm (in.)	12,7 (0.5)
Gap height	mm (in.)	10,5 (0.41)
Voice coil winding height	mm (in.)	19 (0.75)
Driver displacement volume	l (ft³)	4,9 (0.17)
Recommended enclosure	l (ft³)	93 (3.3)
Recommended tuning	Hz	50

SMALL SIGNAL PARAMETERS

DC resistance	Re	Ohm	4,7
Resonance frequency	Fs	Hz	43
Moving mass	Mms	g (oz)	101,4 (3.58)
Compliance	Cms	mm/N	0,135
Force factor	BxL	N/A	17,3
Mechanical Q-factor	Qms		9,49
Electrical Q-factor	Qes		0,43
Total Q-factor	Qts		0,41
Equivalent air volume	Vas	l (ft³)	137,6 (4.86)
Voice coil Inductance	Le	mH	0,76
Diaphragm area	Sd	cm² (in.²)	850 (131.8)
Reference efficiency	Eta 0	%	2,50
Efficiency bandwidth product	EBP	Hz	100

SHIPPING INFORMATION

Net weight	kg (lb.)	5,8 (12.7)
Multipack size (1) W x D x H	mm (in.)	452 x 452 x 204 (17.8 x 17.8 x 8)
Multipack weight	kg (lb.)	8 (17.6)

FREQUENCY RESPONSE AND IMPEDANCE
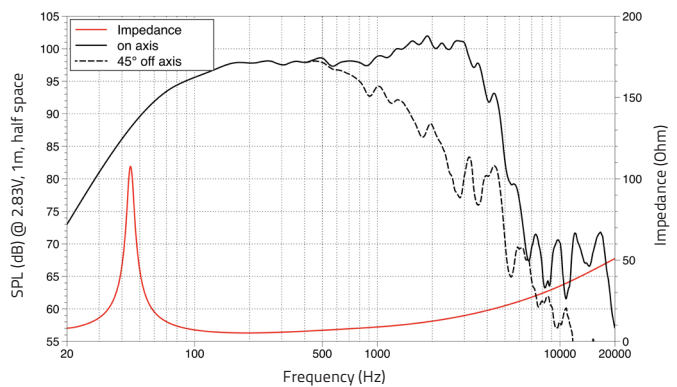
DIMENSIONS mm (in.)
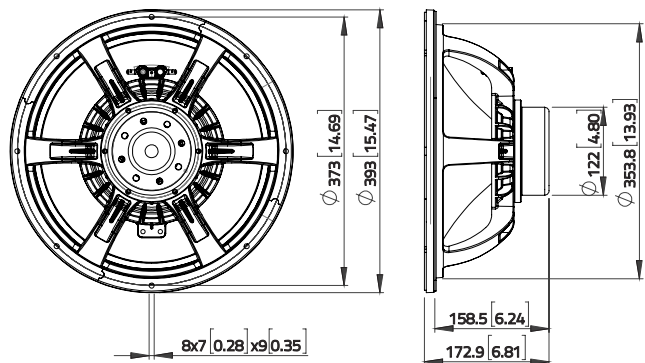
(1) Program power is defined as 3 dB greater than AES Power. **(2)** Tested for two hours using a continuous, band-limited pink noise signal as per AES 2-1984 Rev. 2003. Loudspeaker tested in free air. **(3)** From T/S parameters, measured with Klippel DA LPM module. **(4)** The Xmax is calculated as: (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_E.a

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