WAN123.00

12" WOOFER

NEODYMIUM MAGNET
ALUMINIUM BASKET DRIVER

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

GENERAL SPECIFICATIONS

Nominal diameter	mm (in.)	300 (12)
Nominal impedance	Ω	8
Minimum impedance	Ω	5,7
Program power (1)	W	1000
AES Power rating (2)	W	500
Sensitivity (3)	dB	99
Frequency range	Hz	50 ÷ 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.)	12,5 (0.49)
Gap height	mm (in.)	10 (0.39)
Voice coil winding height	mm (in.)	19 (0.75)
Driver displacement volume	l (ft³)	2,4 (0.08)
Recommended enclosure	l (ft³)	62,3 (2.2)
Recommended tuning	Hz	55

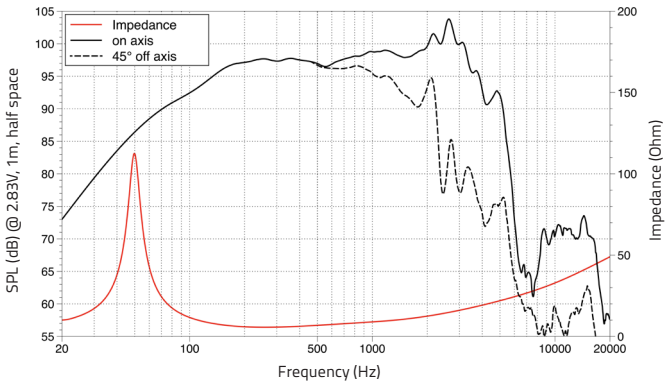
SMALL SIGNAL PARAMETERS

DC resistance	Re	Ohm	4,8
Resonance frequency	Fs	Hz	49
Moving mass	Mms	g (oz)	61,5 (2.17)
Compliance	Cms	mm/N	0,172
Force factor	BxL	N/A	17,9
Mechanical Q-factor	Qms		6,54
Electrical Q-factor	Qes		0,28
Total Q-factor	Qts		0,27
Equivalent air volume	Vas	l (ft³)	68,8 (2.43)
Voice coil Inductance	Le	mH	0,69
Diaphragm area	Sd	cm² (in.²)	530,9 (82.3)
Reference efficiency	Eta 0	%	2,75
Efficiency bandwidth product	EBP	Hz	175

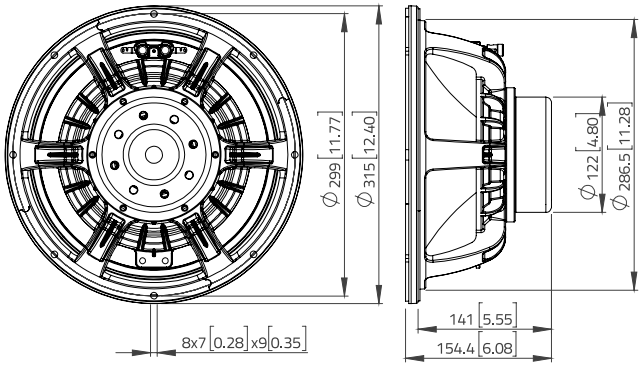
SHIPPING INFORMATION

Net weight	kg (lb.)	5,2 (11.4)
Multipack size (1) W x D x H	mm (in.)	356 x 356 x 192 (14 x 14 x 7.6)
Multipack weight	kg (lb.)	6,8 (15)

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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