

ICF061.00

Lavoce

6,5" WATERPROOF IN-CEILING COAXIAL

FERRITE WOOFER - NEODYMIUM TWEETER MAGNET
ABS BASKET DRIVER

OEM only

- IP65 PROTECTION GRADE
- 1 INCH WOOFER AND 0.8 INCH TWEETER COPPER VOICE COIL
- 86 dB/SPL SENSITIVITY
- 100 WATT PROGRAM POWER HANDLING
- FEM OPTIMIZED MOTOR AND SUSPENSIONS
- EXTENDED FREQUENCY RESPONSE AND CONSTANT DIRECTIVITY
- OPTIMIZED BUILT-IN SEALED CROSSOVER WITH MARINE GRADE COATED PCB TO PREVENT CORROSION
- EDGELESS MESH GRILL WITH MAGNETIC LOCKING SYSTEM FOR NEAR STEALTH IN-WALL/IN-CEILING INSTALLATION
- FAST AND EASY INSTALLATION, WITHOUT NEED TO ACCESS ABOVE THE CEILING, THANKS TO THE ROBUST HOOKING SYSTEM
- SAFETY STAINLESS STEEL CORD AND FASTON TERMINATED INPUT WIRE INCLUDED
- AVAILABLE WITH 70/100 V LINE TRANSFORMER FOR OEM ENQUIRIES



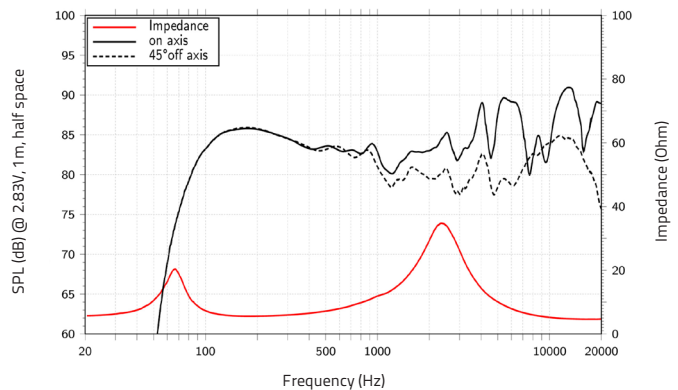
GENERAL SPECIFICATIONS

Nominal diameter	mm (in.)	165 (6.5)
Nominal impedance	Ω	6 (bypass mode)
Minimum impedance	Ω	5,1 (bypass mode)
Program power (1)	W	100
AES Power rating (2)	W	50
Sensitivity (3)	dB	86
Frequency range	Hz	70 ÷ 22k
Voice coil diameter	mm (in.)	25 (1)
Chassis material		ABS
Magnet material		Ferrite (LF) - Neodymium (HF)
Magnet dimensions OD x ID x h	mm (in.)	75 x 32 x 15 (2.95 x 1.26 x 0.59)
Coil material		Copper
Former material		Polymide
Cone material		Polypropilene with UV Inhibitors (LF) - Textile (HF)
Surround material		NBR Rubber
Xmax (4)	mm (in.)	3,4 (0.13)
Xmech (5)	mm (in.)	4,8 (0.19)
Gap height	mm (in.)	4,5 (0.18)
Voice coil winding height	mm (in.)	9 (0.35)
Net weight	l (ft ³)	1,35 (2.98)

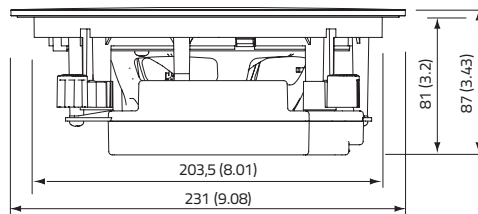
SMALL SIGNAL PARAMETERS

DC resistance	Re	Ohm	4,9
Resonance frequency	Fs	Hz	60
Moving mass	Mms	g (oz)	13,9 (4.9)
Compliance	Cms	mm/N	0,5
Force factor	BxL	N/A	5,3
Mechanical Q-factor	Qms		4,3
Electrical Q-factor	Qes		0,9
Total Q-factor	Qts		0,75
Equivalent air volume	Vas	l (ft ³)	10,7
Voice coil Inductance	Le	mH	0,32
Diaphragm area	Sd	cm ² (in. ²)	122,7 (190.18)
Reference efficiency	Eta 0	%	0,245

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_H.a

