ideato,
progettato,
ingegnerizzato
in Italia

THESIS

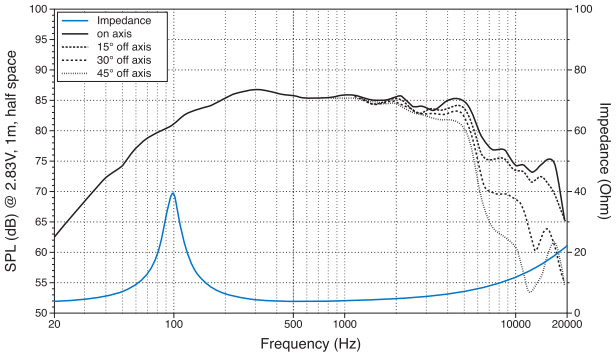
TH 3.0 II Voce

110 W Max Power

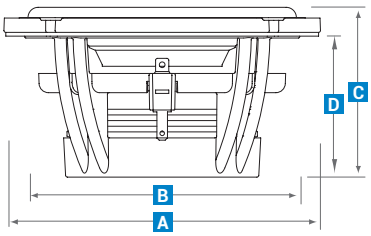
TECHNICAL SPECIFICATIONS		
Component		Woofer
Size	mm (in.)	70 (3)
Power Handling	W peak W continuos	110 55
Impedance	Ω	4
Frequency Response	Hz	110 ÷ 5700
Magnet size D x d x h	mm (in.)	29 x 6 x 8 (1.14 x 0.24 x 0.31)
Weight of one speaker	kg (lb.)	0,25 (0.55)
Voice Coil Ø	mm (in.)	30,5 (1.2)

ELECTRO-ACOUSTIC PARAMETERS		
D	mm	66,75
Xmax	mm	3,3
Re	Ω	3,4
Fs	Hz	100
Le	mH	0,18
Vas	l	1,01
Mms	g	4,3
Cms	mm/N	0,59
BL	T•m	4,2
Qts		0,48
Qes		0,52
Qms		5,5
Spl	dB/1W/1m	85,6

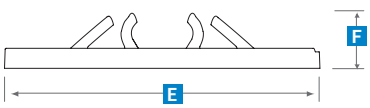
1. 30,5 mm mobile voice coil in CCAR (Copper Clad Aluminum Ribbon) wound with flat wire to maximize the force factor and heat dissipation.
2. Aluminium demodulation ring which linearizes the high excursion intermodulation distortion, canceling any sound colorations.
3. N38 "H-grade neodymium magnet included in the voice coil to obtain superior control of the mobile crew and superior thermal stability.
4. Motor geometry designed using finite element simulation software to optimize efficiency by concentrating the magnetic field in the gap.
5. Membrane made of TPX®, a transparent material that reduces frequency response irregularities and provides a view of the inside of the speaker.
6. Membrane geometry designed by simulation software to obtain homogeneous directivity.
7. Optimized cone/surround break-up with extensive simulations to linearize the response at medium frequencies.
8. Basket made of a single piece of die-cast aluminium with four pairs of spokes for maximum rigidity without slowing down the air flow.
9. Suspension and spider with very high excursion, optimized with simulations of the multi-physical behavior of the speaker.
10. eID technology for the traceability of TH 3.0 II Item from production to purchase.



From R&D to final product
KLIPPEL
since 2005



A	84 mm	3.31 in.
B	73,5 mm	2.89 in.
C	45 mm	1.77 in.
D	37 mm	1.46 in.
E	89 mm	3.5 in.
F	18 mm	0.71 in.



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audison