

THESIS

TH 6.5 II Sax

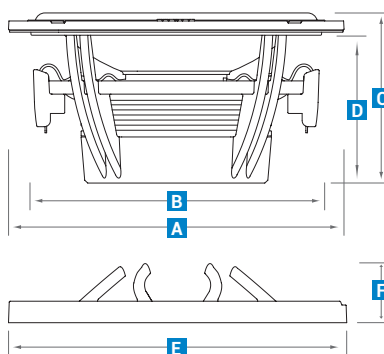
300 W Max Power



TECHNICAL SPECIFICATIONS		
Component		Woofers
Size	mm (in.)	165 (6.5)
Power Handling	W peak W continuous	300 150
Impedance	Ω	4
Frequency Response	Hz	40 ÷ 4500
Magnet size D x d x h	mm (in.)	80 x 54 x 4,5 (3.15 x 2.13 x 0.18)
Weight of one speaker	kg (lb.)	1,25 (2.76)
Voice Coil Ø	mm (in.)	50 (2)

ELECTRO-ACOUSTIC PARAMETERS		
D	mm	130
Xmax	mm	5,4
Re	Ω	3,8
Fs	Hz	55
Le	mH	0,43
Vas	l	8,6
Mms	g	24,2
Cms	mm/N	0,35
BL	T·m	8,2
Qts		0,43
Qes		0,47
Qms		5,3
Spl	dB	87

1. 50 mm mobile voice coil in CCAR (Copper Clad Aluminum Ribbon) wound with flat wire to maximize the force factor and heat dissipation.
2. Low inductance of the mobile voice coil to optimize the emission in medium-high band (2-3 kHz).
3. N48 "H-grade" neodymium magnet with superb thermal stability to guarantee an optimal dynamic reserve in every situation.
4. Magnetic group geometry designed using finite element simulation software to maximize efficiency by concentrating the magnetic field in the gap.
5. Membrane made of TPX®, a transparent material that reduces the frequency response irregularities in the mid-high band, leaving the speaker interior in full view.
6. Membrane geometry designed using simulation software, to obtain a smooth emission over all the listening angles.
7. Basket made of a single piece of die-cast aluminium featuring four pairs of spokes to optimize heat transfer, nullify turbulent airflows and ensure maximum structural rigidity.
8. Hi-excursion suspension and spider, optimized with simulations of the loudspeaker multi-physical behavior.
9. eID technology providing TH 6.5 II traceability starting from the manufacturing stage up to the owner.



A	165 mm	6.5 in.
B	143 mm	5.63 in.
C	84 mm	3.31 in.
D	74,5 mm	2.93 in.
E	170,5 mm	6.71 in.
F	30 mm	1.18 in.



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