BASS MIDRANGE — HM170X0

100990S

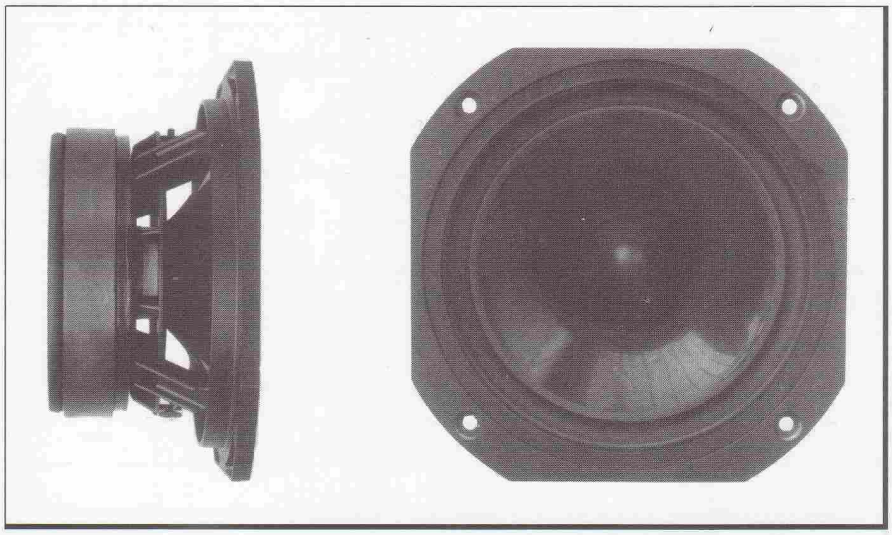
6 1/2" - TPX CONE* DRIVER - 170 mm

JAN. 93

PRESTIGE SERIES

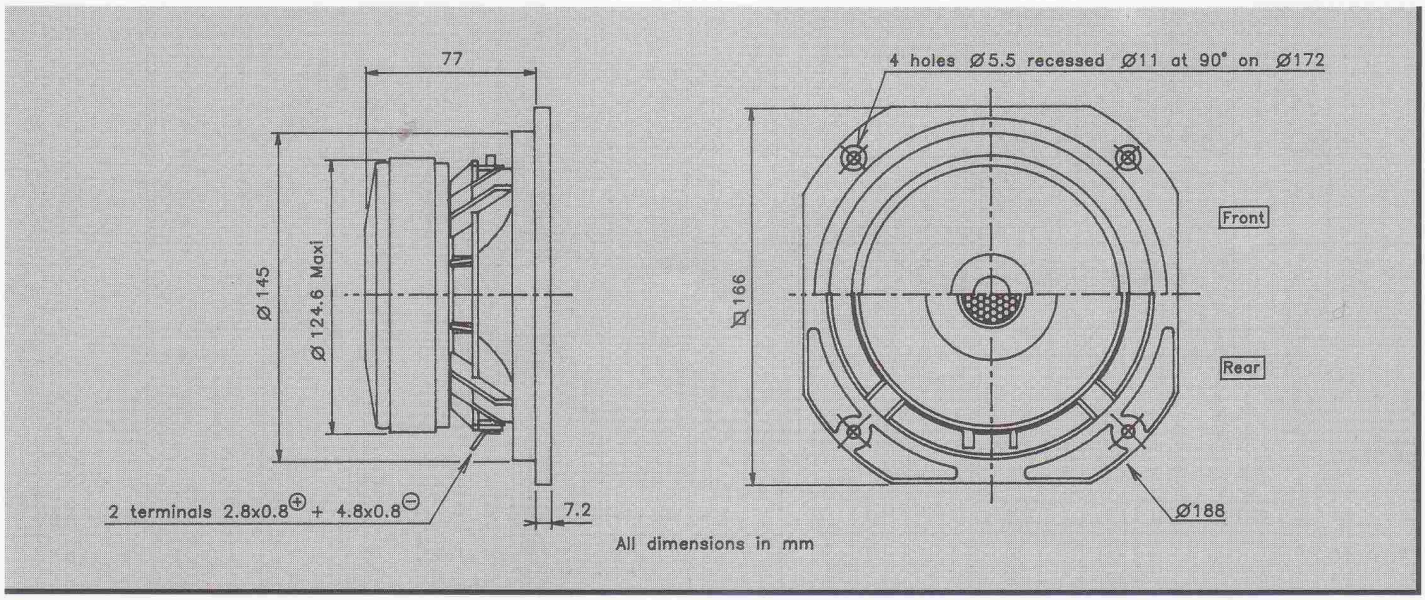
TPX cone
Non resonant die cast chassis
Ventilated chassis under spider
High loss, high compliance rubber suspension
Edgewound, flat copper wire
Kapton voice coil former (40 mm ø)
High loss phase plug
Gold plated terminals

Cône TPX
Châssis Zamak moulé non résonant
Fond ventilé
Suspension caoutchouc amortissant hte compliance
Bobine sur support Kapton (ø 40 mm)
Fil cuivre plat sur chant
Ogive non résonante
Connectique plaquée or



Designed for compact 2-way high end bookshelf systems, or floor standing 2 or 3-way systems, this 6 1/2" Bass-Midrange driver features a patented TPX diaphragm coupled to a high loss, high compliance rubber suspension. TPX is an advanced polymer that is extremely rigid, very light and possesses high internal damping. High power handling results from the flat, edgewound copper coil mounted onto a fiberglass reinforced Kapton voice coil former. Unobstructed venting of the Zamak die cast chassis contributes to the dramatic transient response. A high loss phasing plug completes the design to ensure a smooth top end response for minimum crossover equalization and a very neutral sound quality. Gold plated terminals offer excellent solderability.

Ce Boomer-Médium de 170 mm destiné à des systèmes 2 voies haut de gamme ou des systèmes colonne 2 et 3 voies, est doté d'une membrane en TPX, brevet Audax, matériau offrant d'exceptionnelles propriétés d'amortissement interne, de rigidité et de faible densité (0,83). Le cône TPX est associé à une suspension en caoutchouc amortissant. Sa bonne tenue en puissance résulte de l'utilisation d'une bobine sur support Kapton renforcé fibre de verre en fil de cuivre plat sur chant. L'exceptionnelle réponse en transitoires résulte de la structure ouverte du châssis Zamak dégageant le cône et le spider. L'ogive non résonante complète le design en assurant une fin de bande linéaire et une parfaite neutralité du message musical. La connectique plaquée or permet une excellente soudabilité.



* TPX CONE : Patented - Breveté

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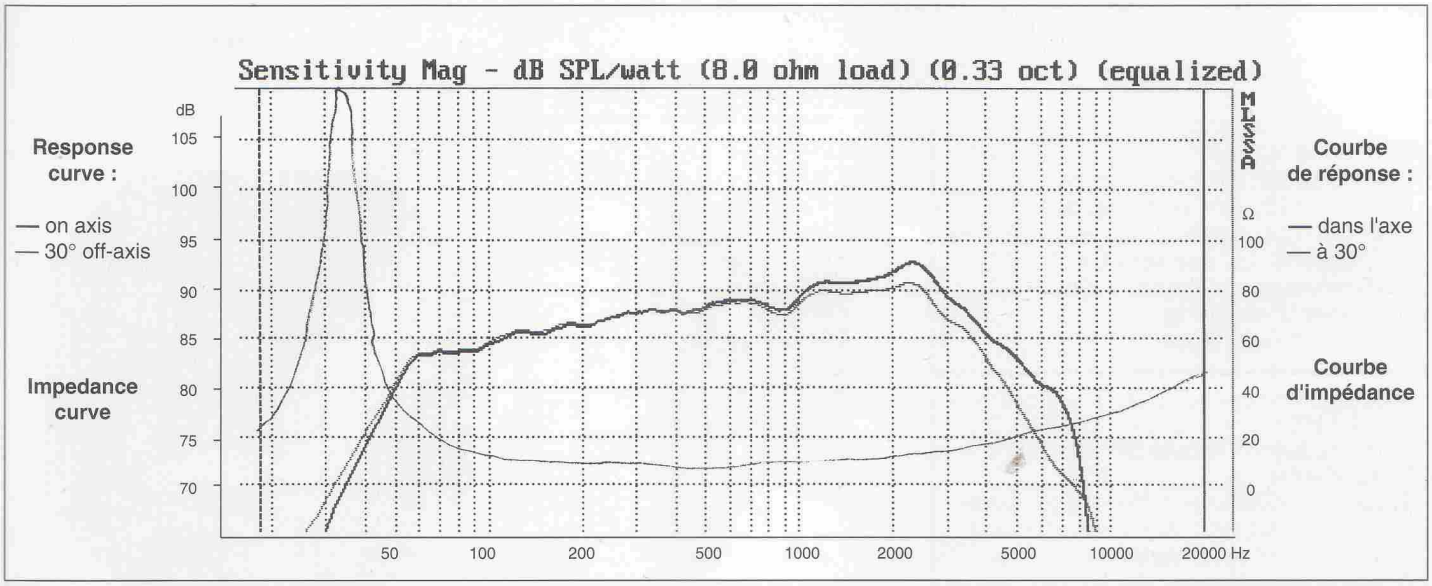
LA PASSION DU HAUT-PARLEUR

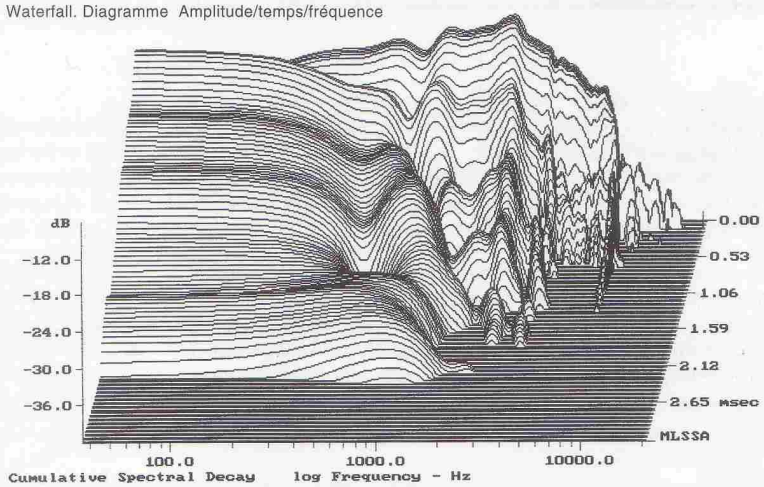
AUDAX

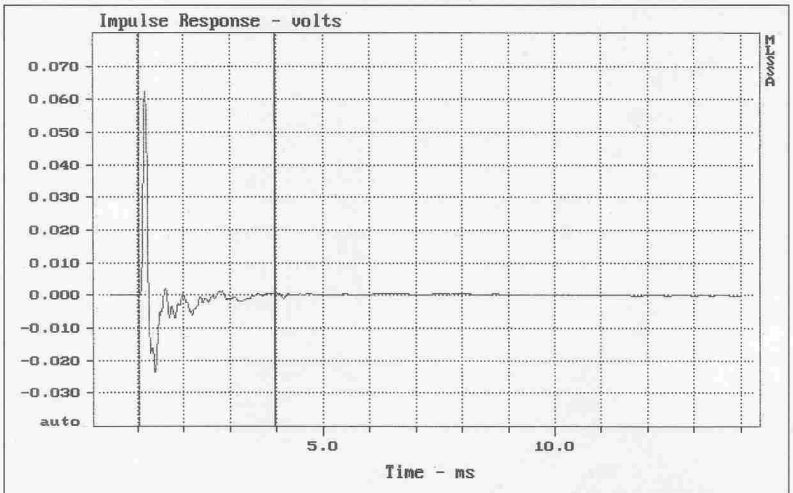


SPECIFICATIONS

Technical Characteristics	Symbol	Value	Units
PRIMARY APPLICATION			
Nominal Impedance	Z	8	Ω
Resonance Frequency	Fs	32	Hz
Nominal Power Handling**	P	70	W
Sensitivity	E	88	dB
VOICE COIL			
Voice coil diameter	Ø	40	mm
Minimum Impedance	Zmin	7,6	Ω
DC Resistance	Re	6,2	Ω
Voice Coil Inductance	Lbm	0,51	µH
Voice Coil Length	h	14,3	mm
Former	–	Kapton	–
Number of layers	n	1	–
MAGNET			
Magnet dimensions	Ø x h	120 x 20	mm
Magnet weight	m	880.10^{-3}	kg
Flux density	B	1,4	T
Force factor	BL	9,32	NA^{-1}
Height of magnetic gap	He	6	mm
Stray flux	Fmag	–	Am^{-1}
Linear excursion	Xmax	4,15	mm
PARAMETERS			
Suspension Compliance	Cms	$1,77.10^{-3}$	mN^{-1}
Mechanical Q Factor	Qms	6,79	–
Electrical Q Factor	Qes	0,20	–
Total Q Factor	Qts	0,20	–
Mechanical Resistance	Rms	0,41	kg s^{-1}
Moving Mass	Mms	14.10^{-3}	kg
Effective Piston Area	S	$132,3.10^{-2}$	m^2
Volume Equivalent of Air at Cas	Vas	$43,43.10^{-3}$	m^3
Mass of speaker	M	2,57	kg

Waterfall. Diagramme Amplitude/temps/fréquence





***Please refer to method of measurement and measurement conditions.*

Audax may, without prior notification modify the specifications on its products further to research and development requirements.

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