

6^{1/2}" - PAPER CONE DRIVER - 170 mm**CLASSIC SERIES**

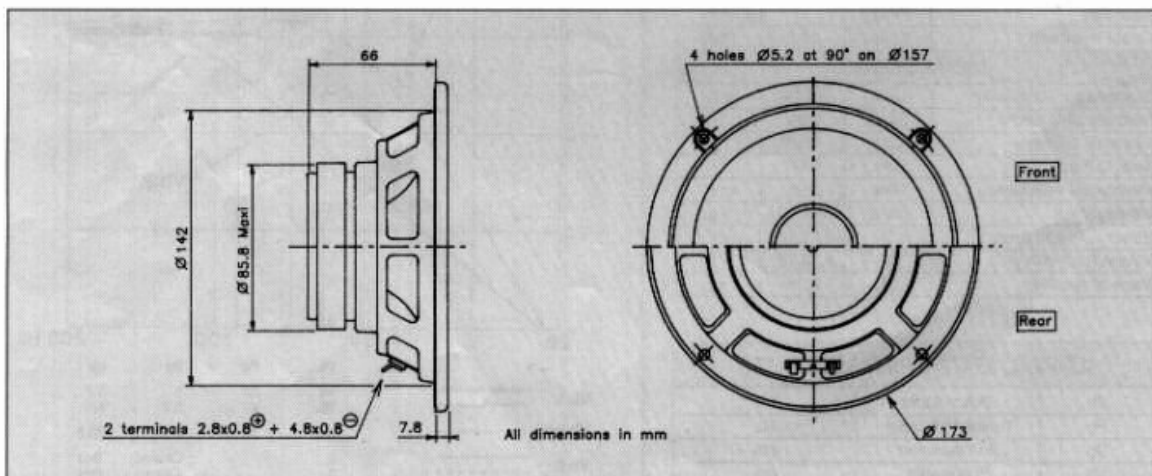
Extended bass response (Fs : 50 Hz)
 Paper cone
 Foam suspension
 Long excursion
 High temperature voice coil
 Stamped steel chassis

Réponse étendue dans le grave (Fs : 50 Hz)
 Cône papier
 Suspension mousse
 Grande excursion
 Bobine haute température
 Châssis acier embouti

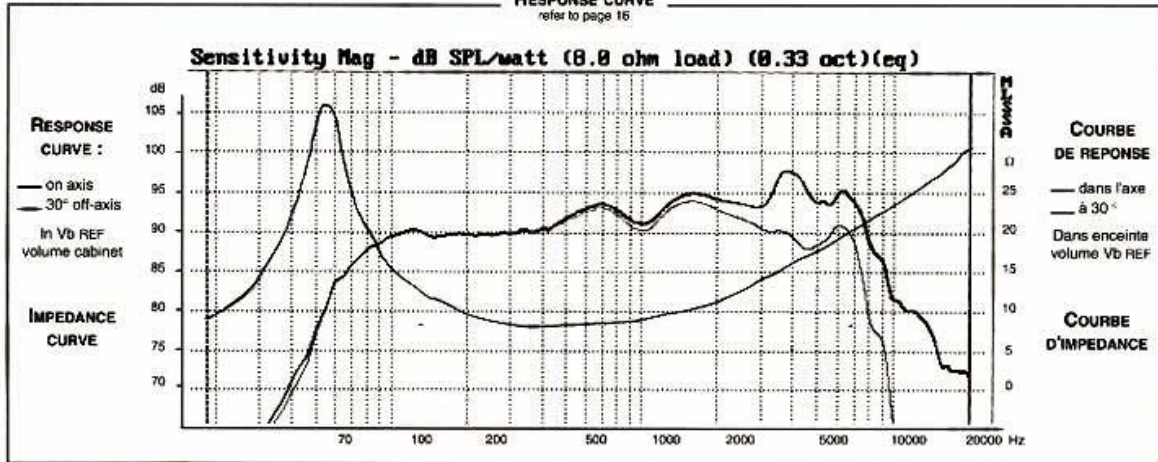


The paper cone foam surround 6^{1/2}" bass midrange offers a combination of extended frequency response, low resonance and high sensitivity. Ideally suited for 2-way bookshelf systems. The high temperature 1" voice coil ensures excellent power handling capacity. The "Suggested applications" charts indicate various driver loads, included the box alignment used to measure the response curve (Vb REF). The response curves shown on the diagram indicate the predicted low end response of the driver in the suggested box volume (Vb) with suggested port (Dp-Lp).

Equippé d'un cône en papier et d'une suspension mousse, ce haut-parleur de 170 mm est idéal pour une enceinte 2 voies de qualité et de bon rendement. Sa bobine haute température sur support aluminium lui confère une bonne tenue en puissance. Le tableau "Suggested applications" indique différents types de charge dont celui utilisé pour la mesure de la courbe de réponse (Vb REF). Les courbes publiées correspondent à la réponse dans le grave pour un volume (Vb) et une dimension d'évent donnée (Vp-Lp).



RESPONSE CURVE
refer to page 16



SPECIFICATIONS

Technical Characteristics	Symbol	Value	Units
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PRIMARY APPLICATION

Nominal Impedance	Z	8	Ω
Resonance Frequency	F _s	50	Hz
Nominal Power Handling	P	50	W
Sensitivity	E	90	dB

VOICE COIL

Voice coil diameter	∅	25	mm
Minimum Impedance	Z _{min}	7,7	Ω
DC Resistance	R _e	6,8	Ω
Voice Coil Inductance	L _{bm}	0,08	mH
Voice coil Length	h	11	mm
Former	-	Aluminium	-
Number of layers	n	2	-

MAGNET

Magnet dimensions	∅ x h	84 x 15	mm
Magnet weight	m	0,35	kg
Flux density	B	1,1	T
Force factor	BL	5,8	NA ⁻¹
Height of magnetic gap	H _e	5	mm
Stray flux	F _{mag}	-	Am ²
Linear excursion	X _{max}	±3	mm

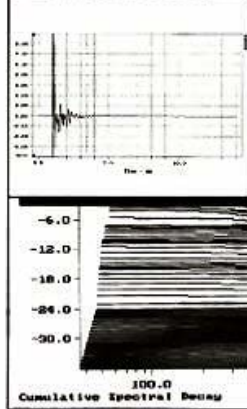
PARAMETERS

Suspension Compliance	C _{ms}	1,24 · 10 ⁻³	mN
Mechanical Q Factor	Q _{ms}	2,46	-
Electrical Q Factor	Q _{es}	0,52	-
Total Q Factor	Q _{ts}	0,43	-
Mechanical Resistance	R _{ms}	1,06	kg s ⁻¹
Moving Mass	M _{ms}	8,3 · 10 ⁻³	kg
Effective Piston Area	S	1,4 · 10 ⁻²	m ²
Volume Equivalent of Air at Cas	V _{as}	34,7 · 10 ⁻³	m ³
Mass of speaker	M	0,95	kg

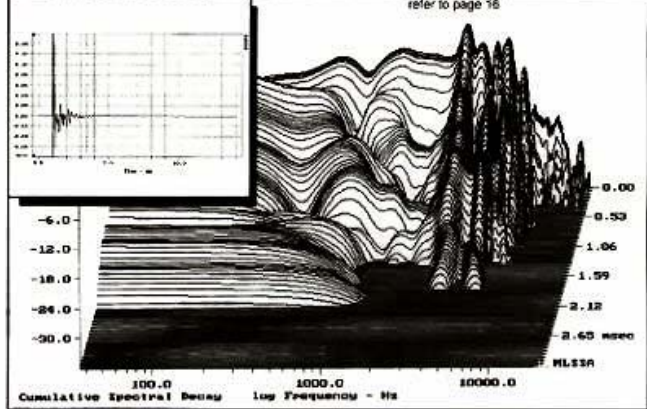
APPLICATION PARAMETERS

Vb	Box volume	dm ³
Fb	Tuning frequency	Hz
Dp	Port diameter	cm
Lp	Port length	cm

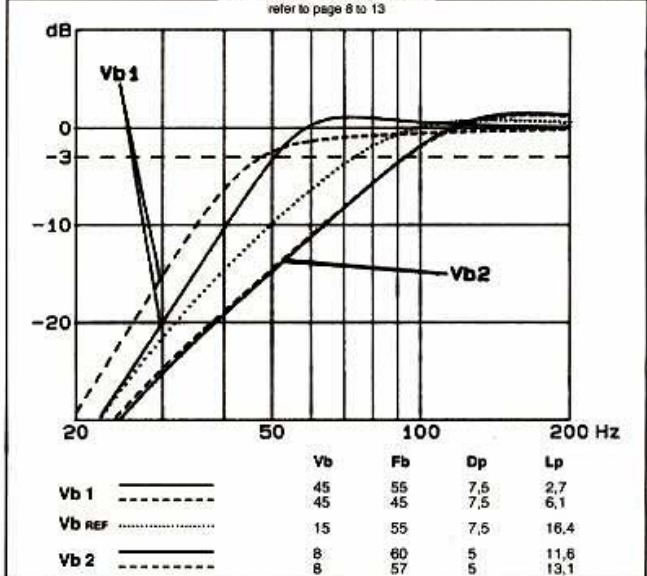
IMPULSE RESPONSE



WATERFALL



SUGGESTED APPLICATIONS



Please refer to method of measurement and measurement conditions pages 15 to 19.
 Audax may, without prior notification modify the specifications on its products further to research and development requirements.