

8" - PAPER CONE DRIVER - 210 mm

CLASSIC SERIES

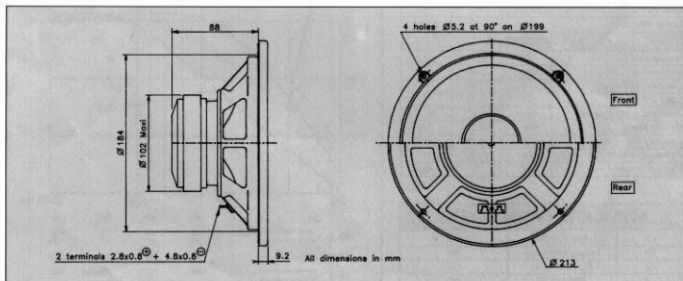
Extended bass response (Fs : 36 Hz)
Paper cone
Foam suspension
Long excursion
High temperature voice coil - 37 mm
High efficiency (92 dB)
Stamped steel chassis

Réponse étendue dans le grave (Fs : 36 Hz)
Cône papier
Suspension mousse
Grande excursion
Bobine haute température - 37 mm
Haut rendement (92 dB)
Châssis acier embouti



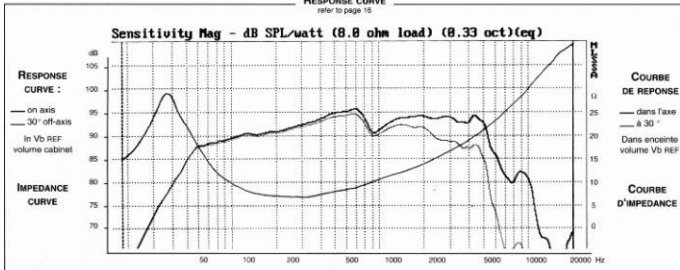
The paper cone foam surround of this 8" bass midrange offers a combination of extended frequency response, low resonance and high sensitivity. Ideally suited for 2-way and 3-way systems. The high temperature 11/2" voice coil ensures superior power handling capacity. The thiele and small parameters make this driver ideally suited for bass-reflex application (FS/QTS : 100). The "Suggested applications" charts indicate various driver loads, including 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).

Équipé d'un cône en papier et d'une suspension mousse, ce haut-parleur de 210 mm est idéal pour une enceinte 2 voies ou 3 voies de qualité et de bon rendement. Sa bobine haute température de 37 mm sur support aluminium lui confère une excellente tenue en puissance. Ses paramètres le destinent particulièrement à l'utilisation en bass-reflex (FS/QTS : 100). 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 15


SPECIFICATIONS

Technical Characteristics	Symbol	Value	Units
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PRIMARY APPLICATION

Nominal Impedance	Z	8	Ω
Resonance Frequency	Fs	36	Hz
Nominal Power Handling	P	80	W
Sensitivity	E	92	dB

VOICE COIL

Voice coil diameter	\varnothing	37	mm
Minimum Impedance	Zmin	7.7	Ω
DC Resistance	Re	6.3	Ω
Voice Coil Inductance	Lbm	0.51	mH
Voice coil Length	h	15	mm
Former	-	Aluminium	-
Number of layers	n	2	-

MAGNET

Magnet dimensions	\varnothing x h	100 x 18	mm
Magnet weight	m	0.55	kg
Flux density	B	1	T
Force factor	BL	6.9	NA
Height of magnetic gap	He	6	mm
Stray flux	Fmag	-	Am ²
Linear excursion	Xmax	± 4.5	mm

PARAMETERS

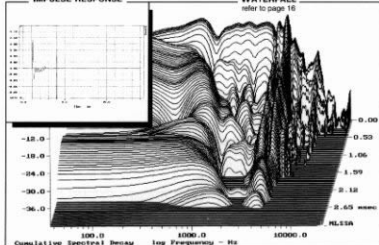
Suspension Compliance	Cms	$1.3 \cdot 10^{-3}$	mN
Mechanical Q Factor	Qms	1.70	-
Electrical Q Factor	Qes	0.44	-
Total Q Factor	Qts	0.35	-
Mechanical Resistance	Rms	2	kg s ⁻¹
Moving Mass	Mms	$15 \cdot 10^{-3}$	kg
Effective Piston Area	S	$2.52 \cdot 10^{-2}$	m ²
Volume Equivalent of Air at Cas	Vas	$103 \cdot 10^{-3}$	m ³
Mass of speaker	M	1.75	kg

APPLICATION PARAMETERS

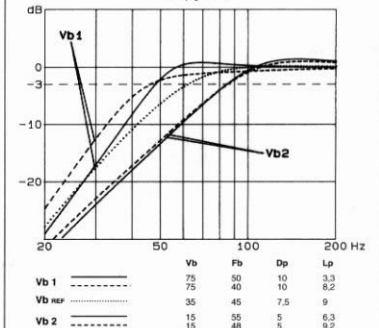
Vb	Box volume	dm ³
Fb	Tuning frequency	Hz
Dp	Port diameter	cm
Lp	Port length	cm

IMPULSE RESPONSE
WATERFALL

refer to page 16


SUGGESTED APPLICATIONS

refer to page 8 to 13



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.