AUDAX

LA PASSION DU HAUT-PARLEUR

HT210G2

BASS MIDRANGE

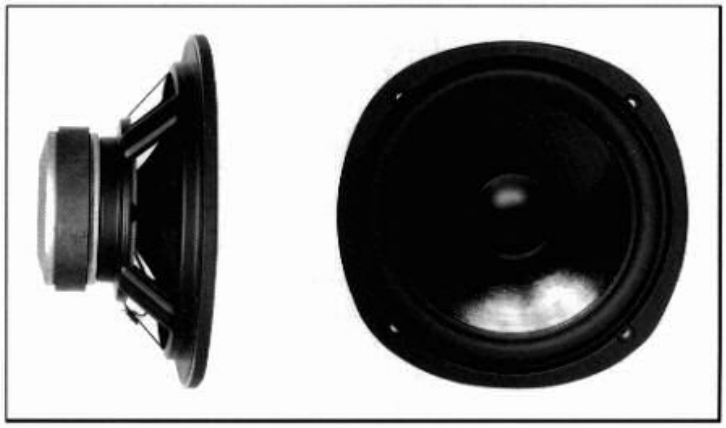
101219N

8" - PAPER CONE DRIVER - 210 mm

CLASSIC SERIES

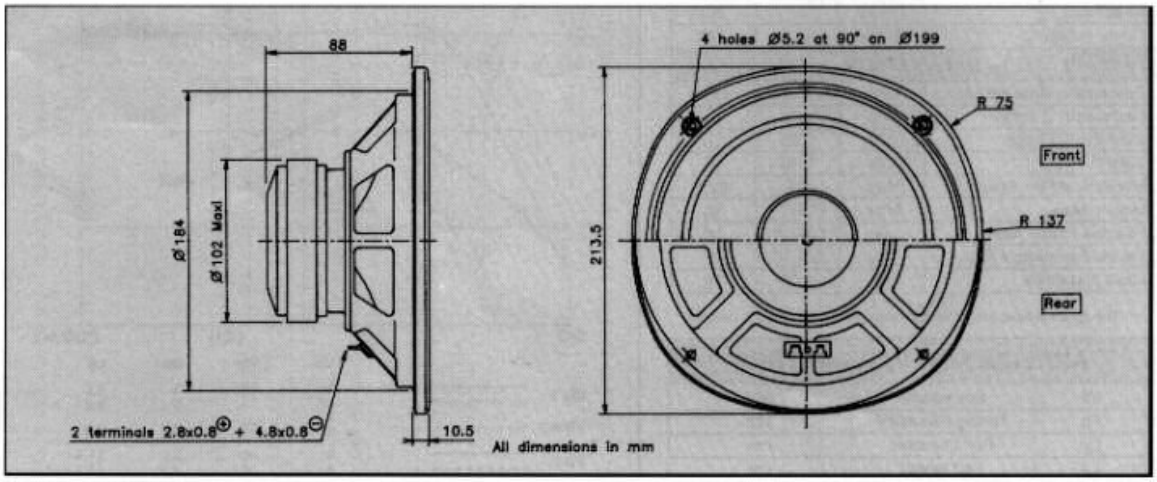
High loss-High compliance rubber surround
Critically damped paper cone
Stamped steel chassis
High temperature voice coil (40 mm)
Aluminium voice coil former
Extended bass response (Fs : 31Hz)

Suspension caoutchouc amortissant h" compliance
Cone papier traité amortissant
Chassis acier embouti
Bobine haute température (40 mm)
Support bobine aluminium
Réponse étendue dans le grave (Fs : 31 Hz)



Designed for high-end compact 2 way systems, this 8" bass-midrange driver features a state of the art curvilinear paper cone, wich is critically damped and coupled to a high loss rubber surround. Special consideration has been taken to ensure a smooth response, natural roll-off. A newly designed cosmetic ring helps to reduce edge diffraction. The high temperature, 1$^{1/2}$" voice coil, wound onto aluminium former, ensures excellent power handling. 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).

Ce grave-médium de 210 mm est destiné à des systèmes compacts haut de gamme 2 voies. Il est doté d'un cône en papier traité à profil curviligne associé à une suspension caoutchouc amortissant haute compliance. Un soin particulier a été apporté à cet ensemble afin d'assurer une réponse en fréquence linéaire ainsi qu'une coupure haute naturelle. Une nouvelle esthétique est également proposée par la présence d'une couronne décorative. La bobine haute température sur support aluminium autorise une puissance admissible importante. 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).



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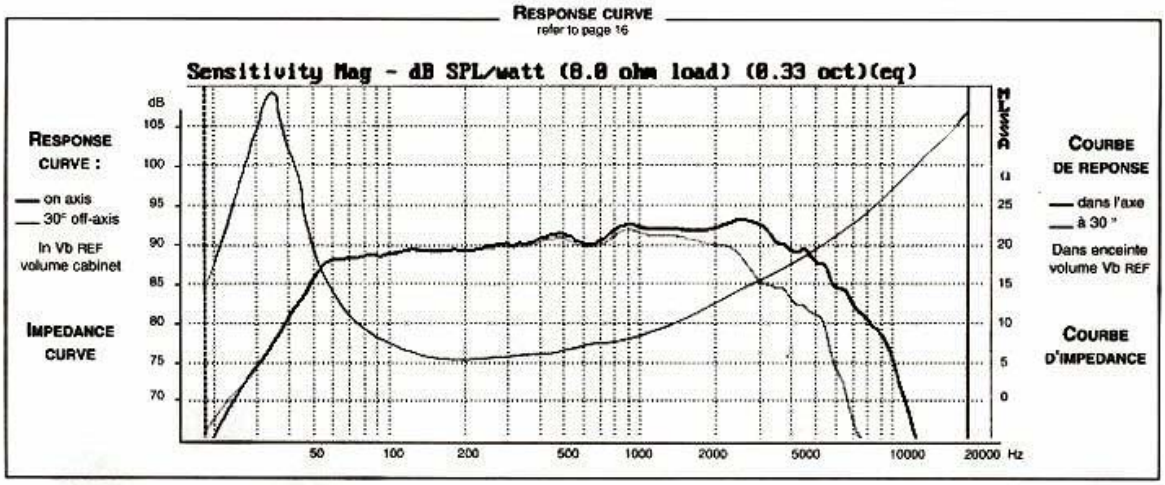
BASS MIDRANGE

RESPONSE CURVE

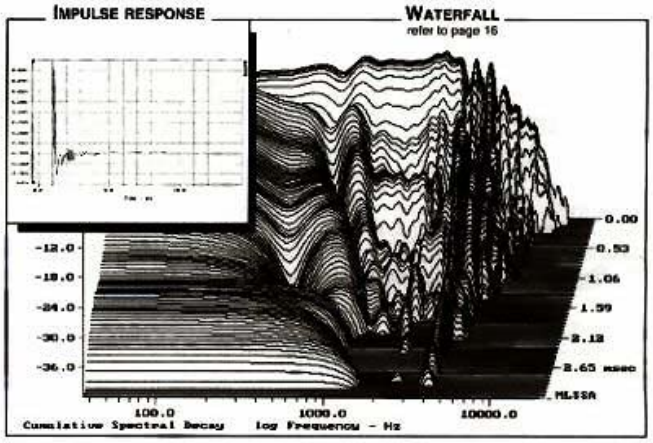
refer to page 16



IMPULSE RESPONSE

WATERFALL

refer to page 16

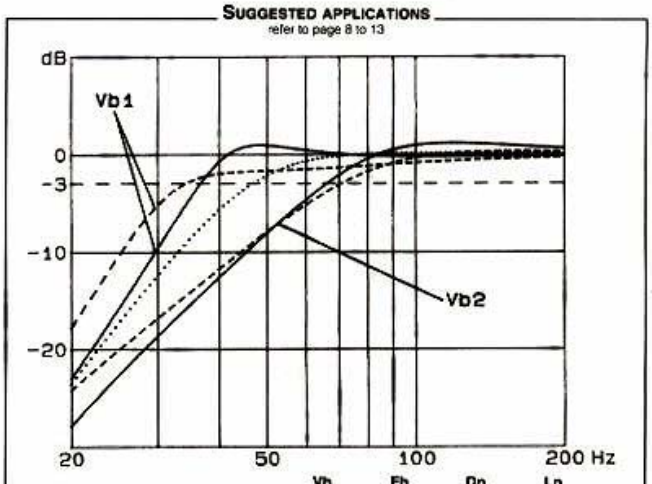


SPECIFICATIONS

Technical Characteristics	Symbol	Value	Units
PRIMARY APPLICATION			
Nominal Impedance	Z	8	Ω
Resonance Frequency	Fs	31	Hz
Nominal Power Handling	P	70	W
Sensitivity	E	90	dB
VOICE COIL			
Voice coil diameter	Ø	40	mm
Minimum Impedance	Zmin	7	Ω
DC Resistance	Re	6,5	Ω
Voice Coil Inductance	Lbm	0,61	mH
Voice coil Length	h	15	mm
Former	-	Aluminium	-
Number of layers	n	2	-
MAGNET			
Magnet dimensions	Ø x h	100 x 18	mm
Magnet weight	m	0,55	kg
Flux density	B	1	T
Force factor	BL	8,6	NA^{-1}
Height of magnetic gap	He	6	mm
Stray flux	Fmag	-	Am^{-1}
Linear excursion	Xmax	±4,5	mm
PARAMETERS			
Suspension Compliance	Cms	$1,17.10^{-3}$	mN^{-1}
Mechanical Q Factor	Qms	3,07	-
Electrical Q Factor	Qes	0,38	-
Total Q Factor	Qts	0,34	-
Mechanical Resistance	Rms	1,45	$kg\ s^{-1}$
Moving Mass	Mms	23.10^{-3}	kg
Effective Piston Area	S	$2,3.10^{-2}$	m^2
Volume Equivalent of Air at Cas	Vas	88.10^{-3}	m^3
Mass of speaker	M	1,8	kg

SUGGESTED APPLICATIONS

refer to page 8 to 13



	Vb	Fb	Dp	Lp
Vb 1	75	40	7,5	3,6
	75	32	7,5	8
Vb REF	35	40	5	4,6
Vb 2	15	46	5	10,3
	15	32	5	9,3

APPLICATION PARAMETERS

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

Please refer to method of measurement and measurement conditions pages 15 to 19.