

**AUDAX**

LA PASSION DU HAUT-PARLEUR

**VE6X9F0**

BASS MIDRANGE

101221G

**6"X 9" - ELLIPTICAL FIBERGLASS CONE DRIVER - 160 x 240 mm**

4 Ω

**CAR LINE**

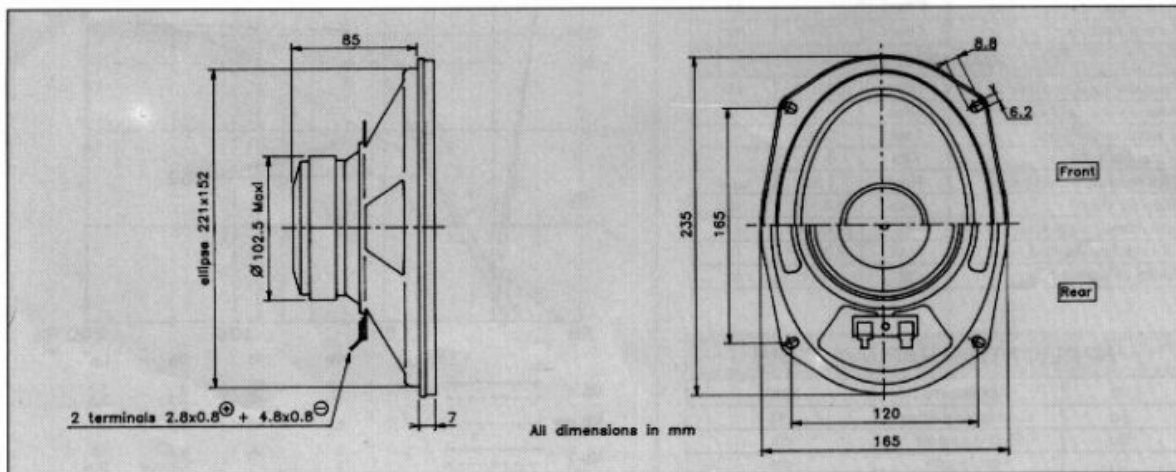
Hi Fi automotive application  
 Extended bass response  
 Woven fiberglass cone  
 High loss rubber surround  
 Linear frequency response  
 Elliptical stamped steel chassis

Application Hi Fi automobile  
 Réponse étendue dans le grave  
 Cône fibre de verre tissée  
 Suspension caoutchouc amortissant  
 Courbe de réponse linéaire  
 Châssis elliptique acier embouti



This elliptical 6" x 9" Bass-Midrange driver has been designed for Hi Fi automotive application (4 Ω). A woven fiberglass cone coupled with a high loss rubber surround combine excellent sonic qualities and long term reliability in automotive environment. It offers a largemagnet for high efficiency and high temperature voice coil for good power handling. The "suggested applications" charts indicate various driver loads. 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 Boomer-Médium elliptique de 160 x 240 mm est particulièrement destiné à des applications Hi Fi automobile (4Ω). Sa membrane en fibre de verre tissée associée à une suspension en toile caoutchoutée offre d'excellentes qualités sonores ainsi qu'une fiabilité exceptionnelle dans un environnement automobile. Une structure magnétique largement dimensionnée lui procure un rendement élevé et une bobine haute température, sa bonne tenue en puissance. Le tableau "Suggested applications" indique différents types de charge. Les courbes publiées correspondent à la réponse dans le grave pour un volume (Vb) et une dimension d'évent donnée (Dp-Lp).



VE6X9F0 W04FGU3743

101222H

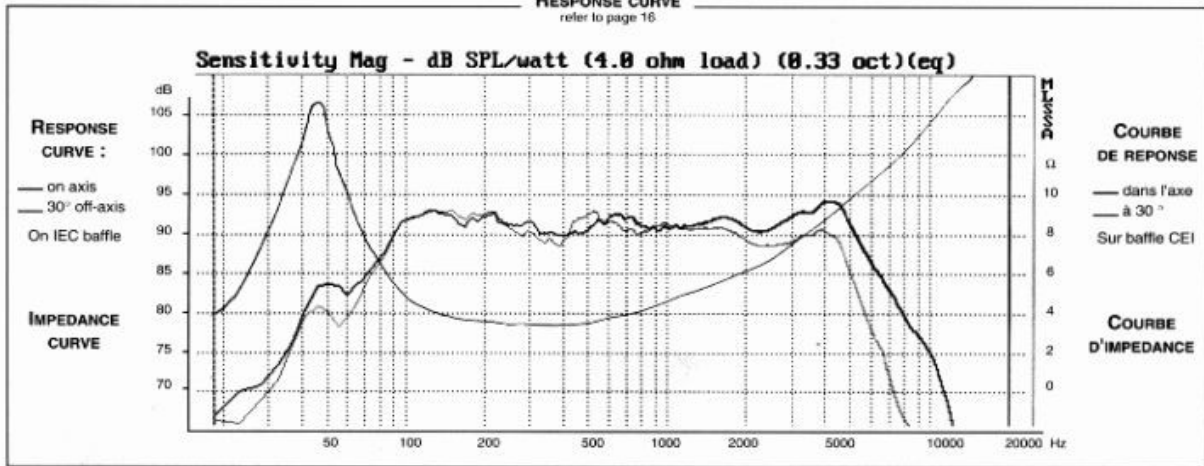
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**VE6X9F0**

BASS MIDRANGE

RESPONSE CURVE  
refer to page 16



**SPECIFICATIONS**

Technical Characteristics	Symbol	Value	Units
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**PRIMARY APPLICATION**

Nominal Impedance	Z	4	Ω
Resonance Frequency	Fs	45	Hz
Nominal Power Handling	P	60	W
Sensitivity	E	92	dB

**VOICE COIL**

Voice coil diameter	Ø	40	mm
Minimum Impedance	Zmin	3,6	Ω
DC Resistance	Re	3,1	Ω
Voice Coil Inductance	Lbm	0,26	mH
Voice coil Length	h	11	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	6,2	NA'
Height of magnetic gap	He	6	mm
Stray flux	Fmag	-	Am'
Linear excursion	Xmax	±2,5	mm

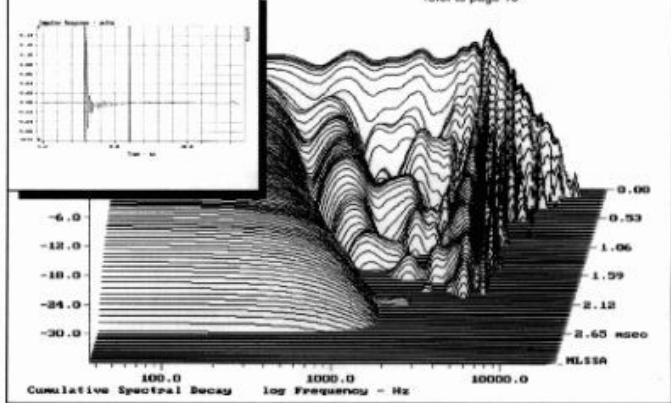
**PARAMETERS**

Suspension Compliance	Cms	0,57.10 <sup>-4</sup>	mN <sup>-1</sup>
Mechanical Q Factor	Qms	2,61	-
Electrical Q Factor	Qes	0,51	-
Total Q Factor	Qts	0,43	-
Mechanical Resistance	Rms	2,35	kg s <sup>-1</sup>
Moving Mass	Mms	21,7.10 <sup>-3</sup>	kg
Effective Piston Area	S	2,06.10 <sup>-2</sup>	m <sup>2</sup>
Volume Equivalent of Air at Cas	Vas	33,6.10 <sup>-3</sup>	m <sup>3</sup>
Mass of speaker	M	1,7	kg

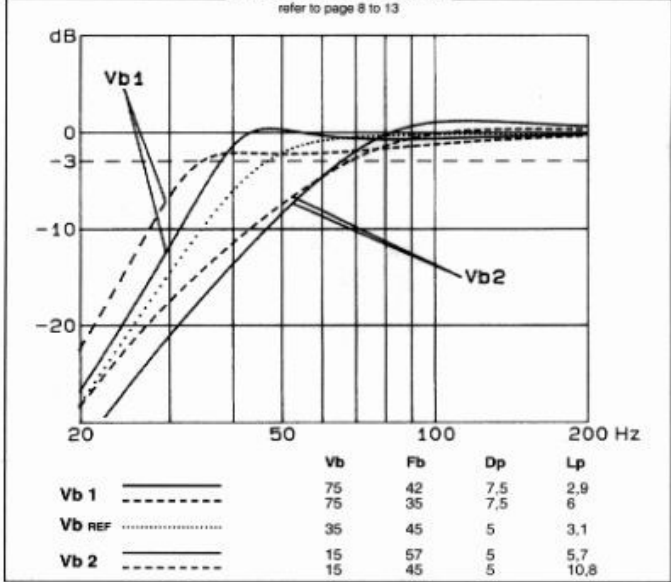
**APPLICATION PARAMETERS**

Vb	Box volume	dm <sup>3</sup>
Fb	Tuning frequency	Hz
Dp	Port diameter	cm
Lp	Port length	cm

IMPULSE RESPONSE WATERFALL  
refer to page 16



**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.