

**10" - PAPER CONE DRIVER - 240 mm****PROFESSIONAL LINE**

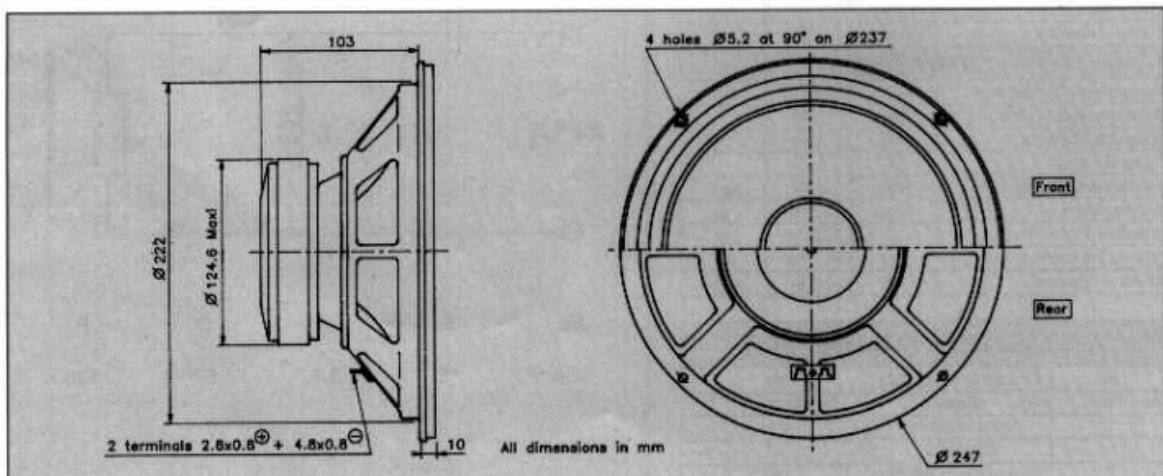
High power handling capacity - 80W  
 High efficiency - 96 dB  
 Stamped steel chassis  
 Coated textile surround  
 Exponential paper cone  
 High temperature voice coil (Ø 40mm)  
 Aluminium former

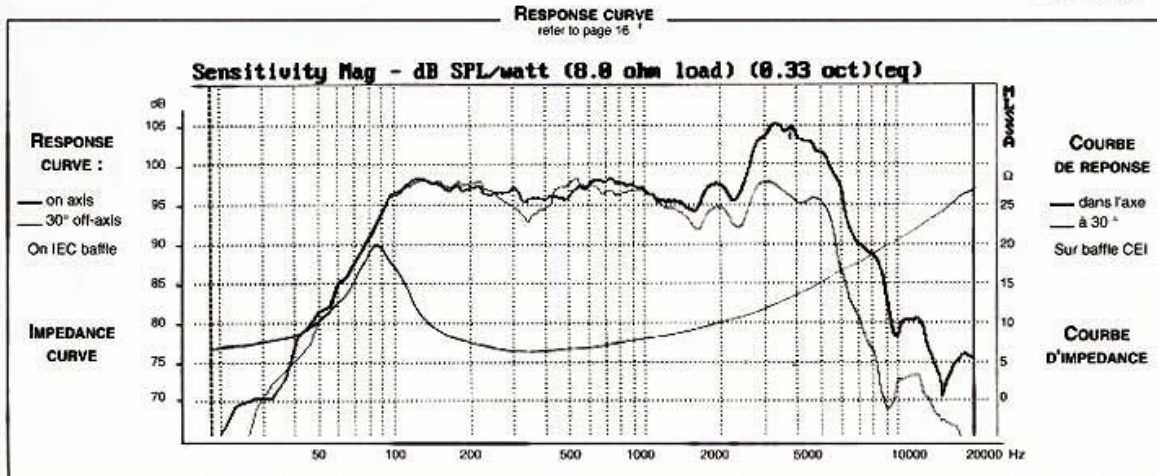
Puissance admissible élevée - 80W  
 Haut rendement - 96dB  
 châssis acier embouti  
 suspension toile traitée  
 Cône papier exponentiel  
 bobine haute température  
 Support aluminium (Ø 40mm)



This 10" woofer has been designed for good quality, high efficiency, compact-systems, and musical instruments. The high temperature voice coil (Ø 40mm) wound onto aluminium former coupled to the exponential cone profile ensure wide frequency range and excellent 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).

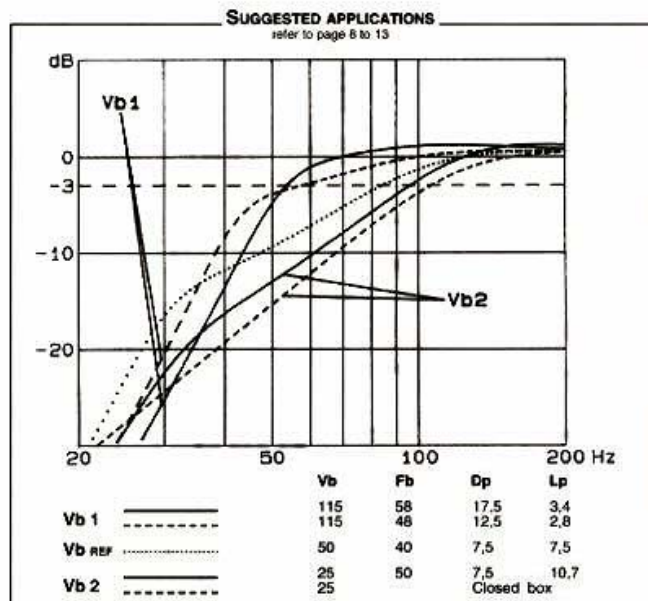
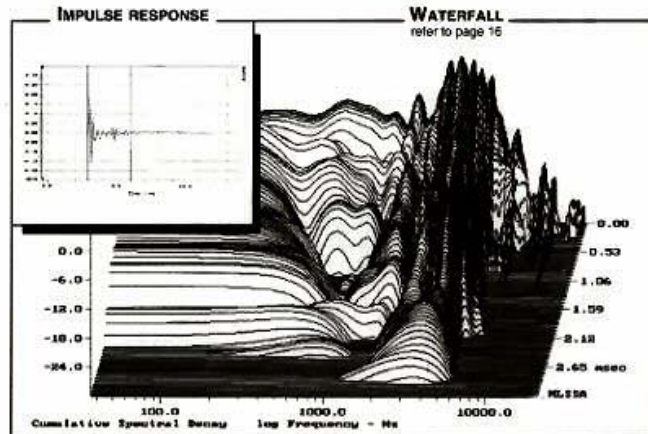
Ce woofer de 240mm est destiné à des applications de bonne qualité en sonorisation, guitare, etc, nécessitant haut rendement et bonne tenue en puissance. La bobine haute température (Ø 40mm) est enroulée sur support aluminium. La membrane à profil exponentiel et suspension toile traitée, procure une bande passante étendue et linéaire. 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).





SPECIFICATIONS			
Technical Characteristics	Symbol	Value	Units
<b>PRIMARY APPLICATION</b>			
Nominal Impedance	Z	8	Ω
Resonance Frequency	Fs	80	Hz
Nominal Power Handling	P	80	W
Sensitivity	E	97	dB
<b>VOICE COIL</b>			
Voice coil diameter	Ø	40	mm
Minimum Impedance	Zmin	8	Ω
DC Resistance	Re	6,8	Ω
Voice Coil Inductance	Lbm	0,29	mH
Voice coil Length	h	9	mm
Former	-	Aluminium	-
Number of layers	n	2	-
<b>MAGNET</b>			
Magnet dimensions	Ø x h	120 x 20	mm
Magnet weight	m	0,88	kg
Flux density	B	1,4	T
Force factor	BL	8,7	NA
Height of magnetic gap	He	6	mm
Stray flux	Fmag	-	Am <sup>2</sup>
Linear excursion	Xmax	±1,5	mm
<b>PARAMETERS</b>			
Suspension Compliance	Cms	0,2 · 10 <sup>-3</sup>	mN
Mechanical Q Factor	Qms	2,44	-
Electrical Q Factor	Qes	0,90	-
Total Q Factor	Qts	0,66	-
Mechanical Resistance	Rms	4,1	kg s <sup>-1</sup>
Moving Mass	Mms	19,9 · 10 <sup>-3</sup>	kg
Effective Piston Area	S	3,5 · 10 <sup>-2</sup>	m <sup>2</sup>
Volume Equivalent of Air at Cas	Vas	34,3 · 10 <sup>-3</sup>	m <sup>3</sup>
Mass of speaker	M	2,6	kg

APPLICATION PARAMETERS		
Vb	Box volume	dm <sup>3</sup>
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.  
 Audax may, without prior notification modify the specifications on its products further to research and development requirements.