

13" - PAPER CONE DRIVER - 330 mm

PROFESSIONAL LINE

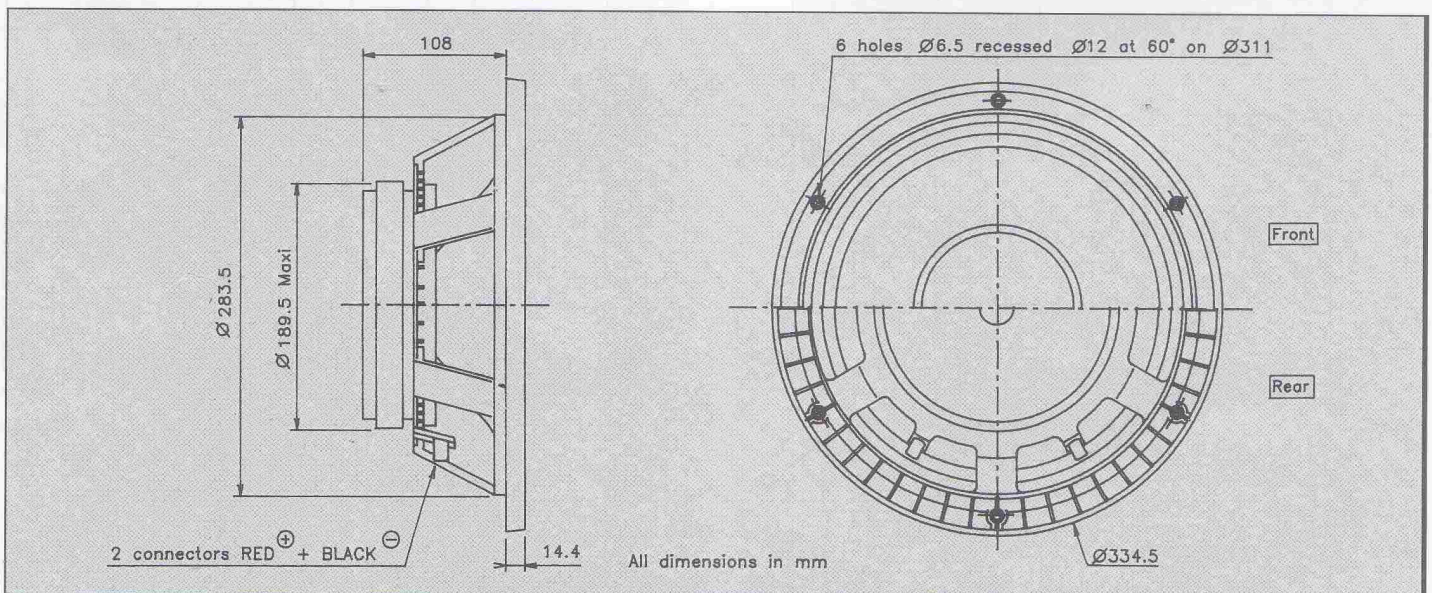
High efficiency - 97 dB - High power 150 W
 Coated textile suspension
 Ultra stiff die cast chassis
 Heat sink design
 Vented pole piece
 Kapton voice coil former (70 mm Ø)
 Flat copper wire
 Gold plated binding post

Haut rendement -97 dB - Puissance élevée 150 W
 Suspension toile traitée
 Châssis moulé ultra-rigide
 Ailettes de refroidissement
 Noyau ventilé
 Bobine sur support Kapton (Ø 70 mm)
 Fil cuivre plat sur chant
 Bornes plaquées or



This 13" woofer is ideally suited for 2 or 3 way monitor and compact, high quality club installations. Professional features. Large Magnet with Vented Pole Piece. High Sensitivity. High Heat Dissipation, Heat Sink Chassis. The flat copper wire voice coil is wound onto a fiberglass reinforced Kapton former for exceptional power handling (150 W). Gold plated binding posts fitted onto the Ultra stiff die cast chassis are designed to accept large diameter cables. 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 haut-parleur de 330 mm est particulièrement destiné à une utilisation en système moniteur 2 ou 3 voies ainsi qu'à des installations discothèques compactes de qualité. Son très haut rendement résulte de l'association d'un large système magnétique (180 mm) et d'une bobine de 70 mm sur support Kapton renforcé fibre de verre en fil de cuivre plat sur chant. Le saladier ultra rigide en Zamak moulé à ailettes de refroidissement, le noyau ventilé optimisent la dispersion de chaleur. Les borniers plaqués or permettent l'utilisation de câbles de forte section. 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).



RESPONSE CURVE
refer to page 16



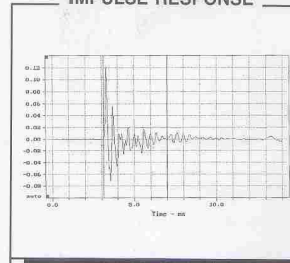
SPECIFICATIONS

Technical Characteristics	Symbol	Value	Units
PRIMARY APPLICATION			
Nominal Impedance	Z	8	Ω
Resonance Frequency	Fs	55	Hz
Nominal Power Handling	P	150	W
Sensitivity	E	97	dB
VOICE COIL			
Voice coil diameter	∅	70	mm
Minimum Impedance	Zmin	7	Ω
DC Resistance	Re	6	Ω
Voice Coil Inductance	Lbm	0,61	mH
Voice coil Length	h	15	mm
Former	-	Kapton	-
Number of layers	n	1	-
MAGNET			
Magnet dimensions	∅ x h	184 x 20	mm
Magnet weight	m	1,91	kg
Flux density	B	1,2	T
Force factor	BL	14,1	NA ⁻¹
Height of magnetic gap	He	7	mm
Stray flux	Fmag	-	Am ⁻¹
Linear excursion	Xmax	±4	mm
PARAMETERS			
Suspension Compliance	Cms	0,18.10 ⁻³	mN ⁻¹
Mechanical Q Factor	Qms	4,67	-
Electrical Q Factor	Qes	0,48	-
Total Q Factor	Qts	0,44	-
Mechanical Resistance	Rms	3,4	kg s ⁻¹
Moving Mass	Mms	46,1.10 ⁻³	kg
Effective Piston Area	S	5,38.10 ⁻²	m ²
Volume Equivalent of Air at Cas	Vas	73,7.10 ⁻³	m ³
Mass of speaker	M	8	kg

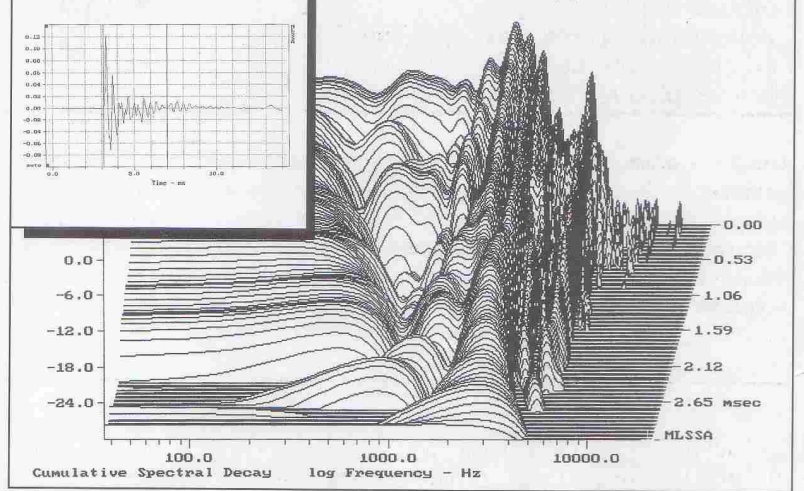
APPLICATION PARAMETERS

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

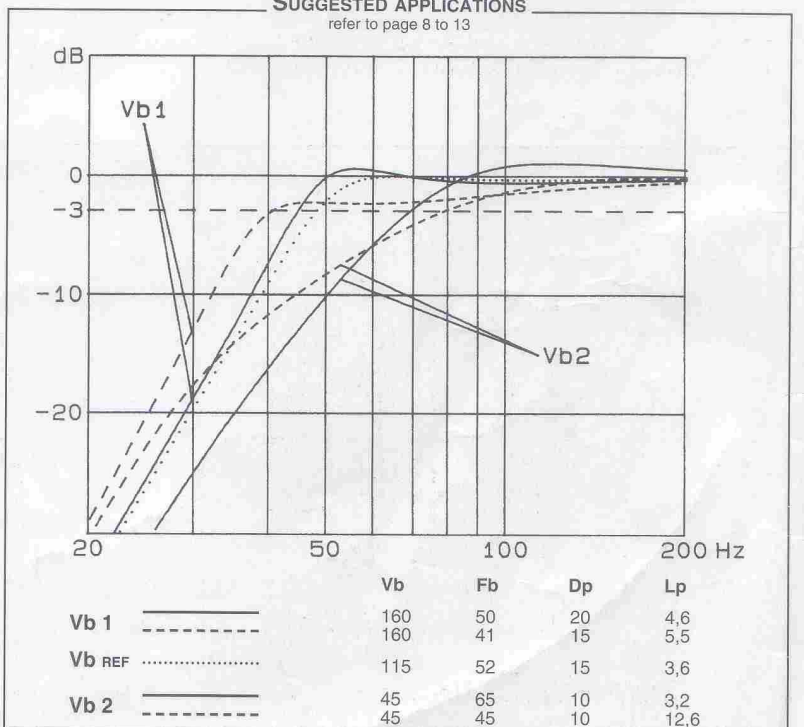
IMPULSE RESPONSE



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.