AUDAX

LA PASSION DU HAUT-PARLEUR

PR330T4

BASS MIDRANGE

100887X

13" - PAPER CONE DRIVER - 330 mm

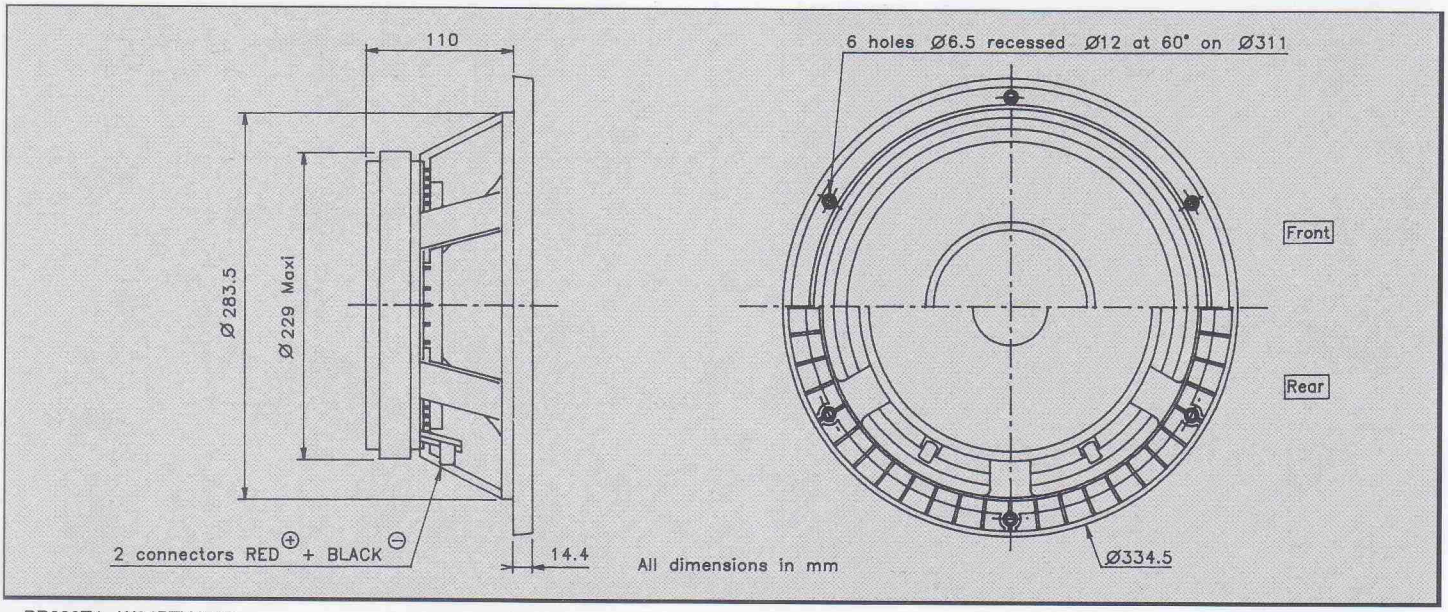
PROFESSIONAL LINE

Very high efficiency - 98 dB
Very high power - 350 W
Ultra stiff die cast chassis
Heatsink design
Vented pole piece
Kapton voice coil former (100 mm Ø)
Flat copper wire
Gold plated binding post

Très haut rendement - 98 dB
Puissance admissible très élevée - 350 W
Châssis moulé ultra-rigide
Ailettes de refroidissement
Noyau ventilé
Bobine sur support Kapton (Ø 100 mm)
Fil cuivre plat sur chant
Bornes plaquées or

Designed for use in large concert systems and horn loaded bass bins, this 13" driver produces outstanding lower midrange. The very large diameter magnet (9") has a vented pole piece and is heatsinked to the Zamak chassis to maximize heat dissipation. The flat copper wire voice coil is wound onto a fiberglass reinforced Kapton former for exceptional power handling. Gold plated binding posts fitted onto the Ultra sitff 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 à fréquence de résonance moyenne et courbe légèrement montante dans la bande médiane est exceptionnel pour une utilisation en bas médium pour de grands systèmes de scène et de concerts. La structure magnétique de grand diamètre (225 mm) contribue à son rendement élevé (98 dB). Une dissipation optimale de la chaleur résulte de son châssis en Zamak moulé à ailettes de refroidissement associé à un noyau ventilé et à la bobine de 100 mm sur support Kapton renforcé fibre de verre en fil de cuivre plat sur chant. 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).



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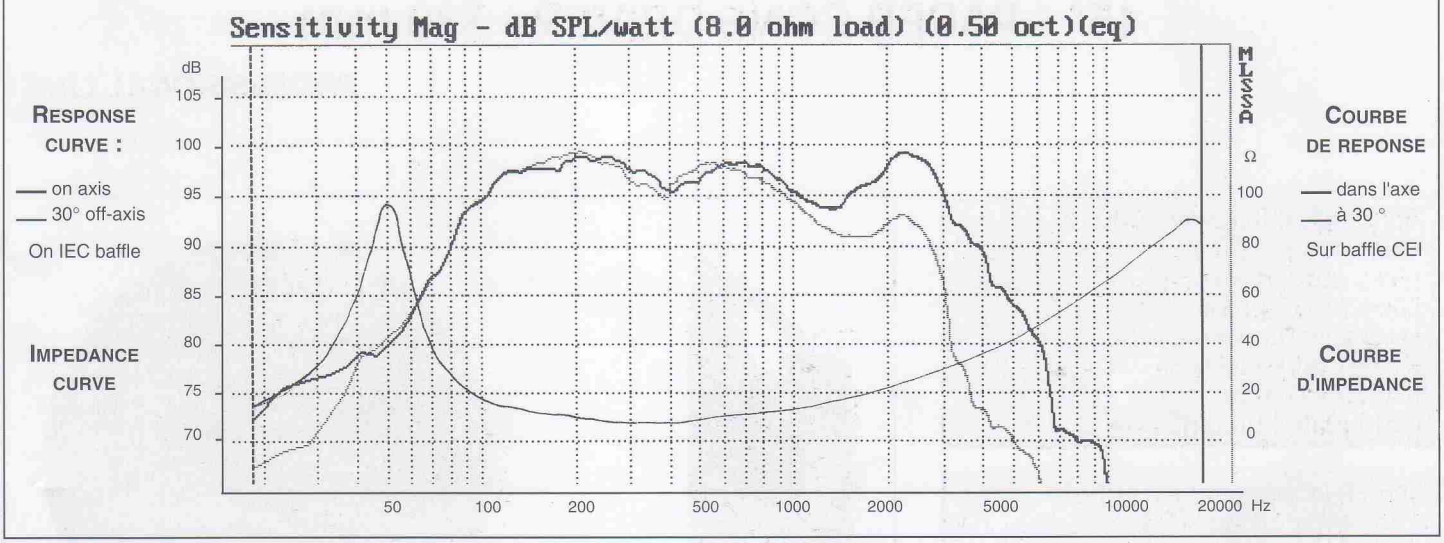
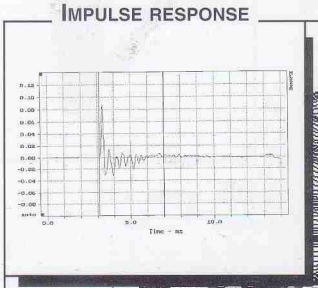
WOOFER

RESPONSE CURVE
refer to page 16



IMPULSE RESPONSE

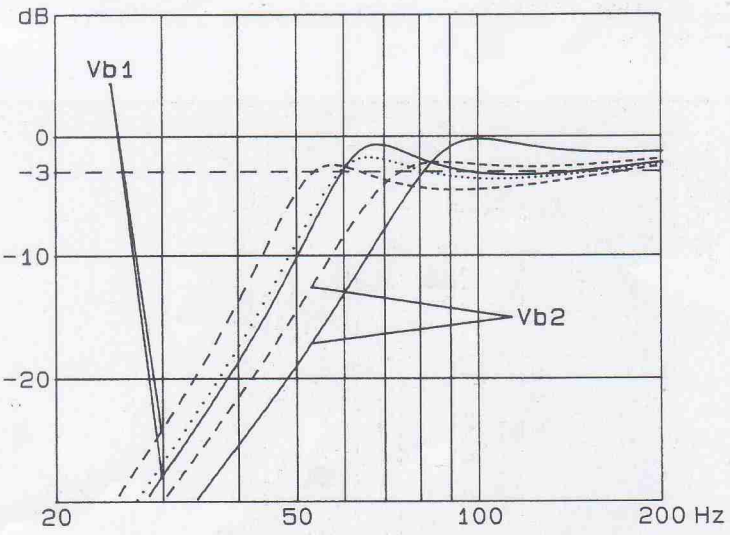


WATERFALL
refer to page 16

SPECIFICATIONS

Technical Characteristics	Symbol	Value	Units
PRIMARY APPLICATION			
Nominal Impedance	Z	8	Ω
Resonance Frequency	Fs	50	Hz
Nominal Power Handling	P	350	W
Sensitivity	E	98	dB
VOICE COIL			
Voice coil diameter	Ø	100	mm
Minimum Impedance	Zmin	8	Ω
DC Resistance	Re	5,8	Ω
Voice Coil Inductance	Lbm	0,74	mH
Voice coil Length	h	18	mm
Former	-	Kapton	-
Number of layers	n	1	-
MAGNET			
Magnet dimensions	Ø x h	224 x 23	mm
Magnet weight	m	3,43	kg
Flux density	B	1,3	T
Force factor	BL	23,8	NA^{-1}
Height of magnetic gap	He	7	mm
Stray flux	Fmag	-	Am^{-1}
Linear excursion	Xmax	±5,5	mm
PARAMETERS			
Suspension Compliance	Cms	$0,11.10^{-3}$	mN^{-1}
Mechanical Q Factor	Qms	1,54	-
Electrical Q Factor	Qes	0,29	-
Total Q Factor	Qts	0,24	-
Mechanical Resistance	Rms	18,2	kg s^{-1}
Moving Mass	Mms	85.10^{-3}	kg
Effective Piston Area	S	$5,38.10^{-2}$	m^2
Volume Equivalent of Air at Cas	Vas	$43,9.10^{-3}$	m^3
Mass of speaker	M	10	kg

SUGGESTED APPLICATIONS
refer to page 8 to 13



	Vb	Fb	Dp	Lp
Vb 1 ———	160	63	25	2,4
Vb 1 - - - - -	160	53	20	3,6
Vb REF	115	60	20	4,9
Vb 2 ———	45	85	15	3,1
Vb 2 - - - - -	45	70	15	8,6

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.

Audax may, without prior notification modify the specifications on its products further to research and development requirements.