AUDAX

LA PASSION DU HAUT-PARLEUR

PR380T0

WOOFER

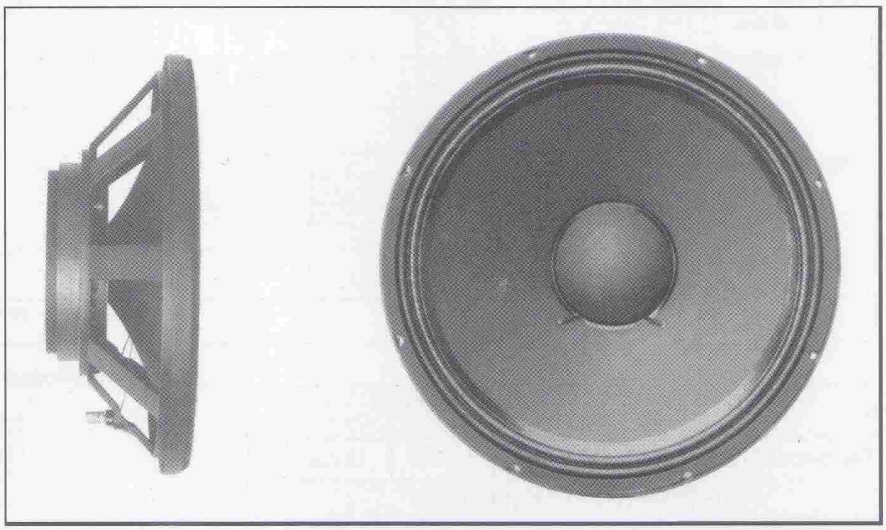
100894V

15" - PAPER CONE DRIVER - 380 mm

PROFESSIONAL LINE

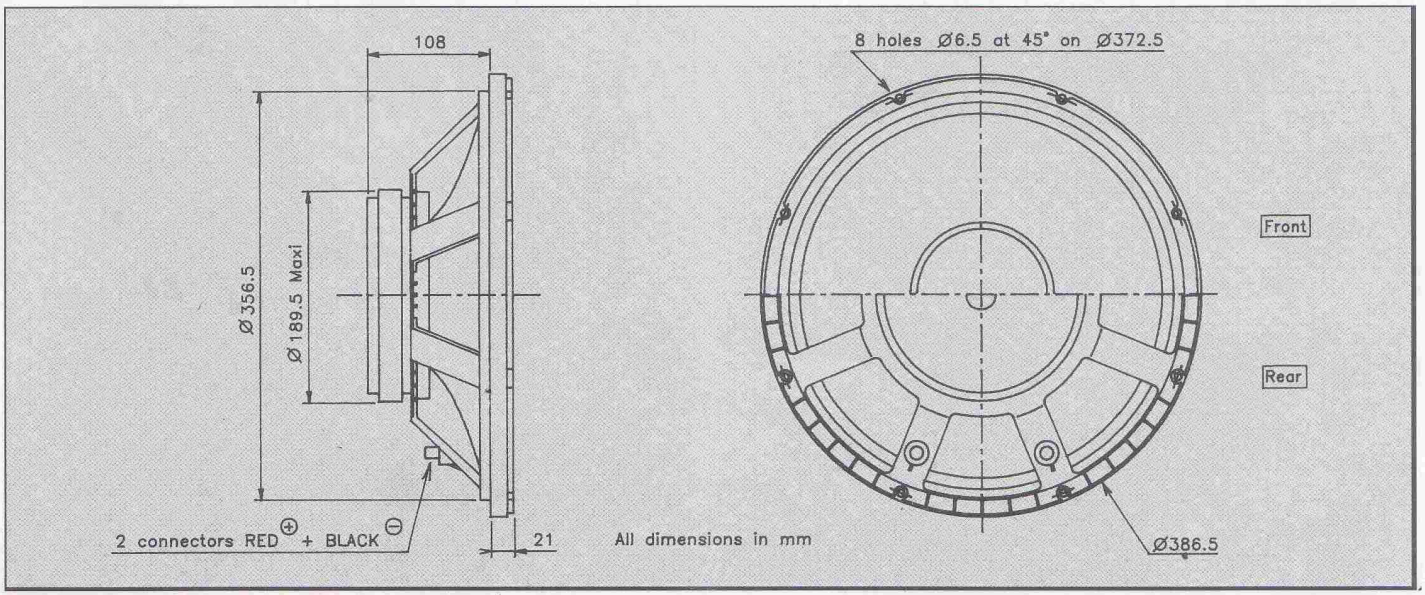
Very high efficiency - 99 dB - High power 150 W
Coated textile suspension
Ultra stiff die cast chassis
Heat sink design
Vented pole piece
Kapton voice coil former (70 mm Ø)
Flat copper wire
Gold plated binding posts

Très haut rendement - 99 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 15" woofer is ideally suited for Bass Reflex or Horn Loading in high quality stage monitoring applications and club installations. The extremely high efficiency (99 dB) is the result of the large diameter (7") magnet system coupled with a light, curvilinear cone. The flat, edgewound copper wire voice coil is mounted onto a fiberglass reinforced Kapton former for exceptional power handling (150 W). The magnet has a vented pole piece and is heatsinked to the Zamak chassis to maximize heat dissipation. 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 grave de 380 mm est particulièrement destiné à une utilisation en bass-reflex ou pavillon pour des applications de scène ou de discothèques de haute qualité. Le rendement extrêmement élevé (99 dB) résulte de la combinaison d'une membrane légère à profil exponentiel, d'une bobine de 70 mm sur support Kapton renforcé fibre de verre en fil de cuivre plat sur chant et d'une structure magnétique largement dimensionnée (ø 180 mm). le châssis en Zamak moulé à ailettes de refroidissement et le noyau ventilé assurent une dissipation optimale de la 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).



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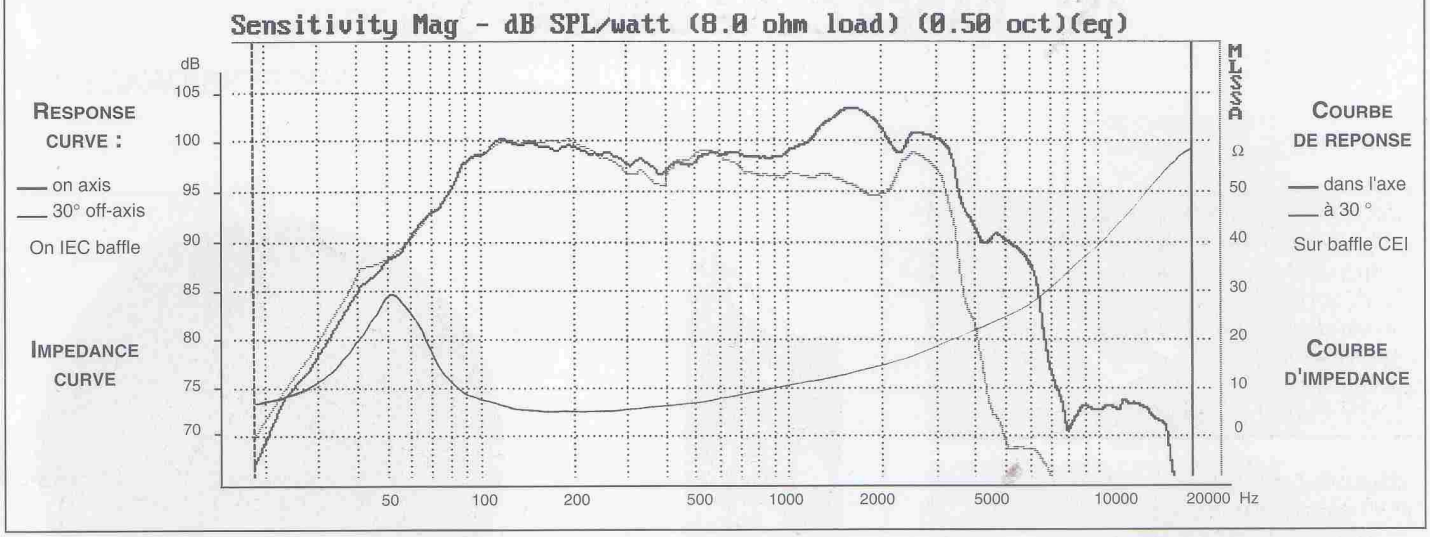
WOOFER

RESPONSE CURVE

refer to page 16



SPECIFICATIONS

Technical Characteristics	Symbol	Value	Units
PRIMARY APPLICATION			
Nominal Impedance	Z	8	Ω
Resonance Frequency	Fs	52	Hz
Nominal Power Handling	P	150	W
Sensitivity	E	99	dB
VOICE COIL			
Voice coil diameter	Ø	70	mm
Minimum Impedance	Zmin	6,5	Ω
DC Resistance	Re	6	Ω
Voice Coil Inductance	Lbm	0,65	mH
Voice coil Length	h	15,3	mm
Former	-	Kapton	-
Number of layers	n	1	-
MAGNET			
Magnet dimensions	Ø x h	184 x 20	mm
Magnet weight	m	1,91	kg
Flux density	B	1,2	T
Force factor	BL	14,4	NA^{-1}
Height of magnetic gap	He	7	mm
Stray flux	Fmag	-	Am^{-1}
Linear excursion	Xmax	±4,15	mm
PARAMETERS			
Suspension Compliance	Cms	$0,12.10^{-3}$	mN^{-1}
Mechanical Q Factor	Qms	4,13	-
Electrical Q Factor	Qes	0,75	-
Total Q Factor	Qts	0,64	-
Mechanical Resistance	Rms	6,33	kg s^{-1}
Moving Mass	Mms	$79,5.10^{-3}$	kg
Effective Piston Area	S	$8,92.10^{-2}$	m^2
Volume Equivalent of Air at Cas	Vas	130.10^{-3}	m^3
Mass of speaker	M	7,8	kg

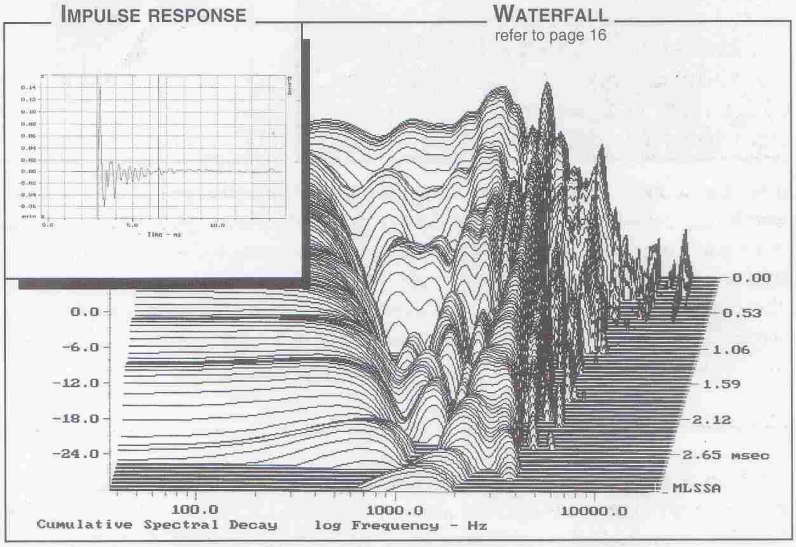
APPLICATION PARAMETERS

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

IMPULSE RESPONSE

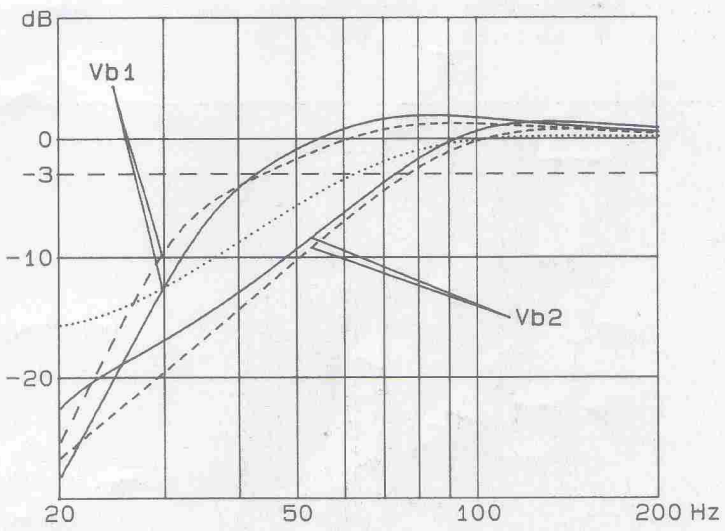
WATERFALL

refer to page 16



SUGGESTED APPLICATIONS

refer to page 8 to 13



	Vb	Fb	Dp	Lp
Vb 1	190	45	20	6,1
	190	40	15	3,9
Vb REF	150	22	10	17,3
Vb 2	60	35	7,5	8,5
	60		Closed box	

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