AUDAX

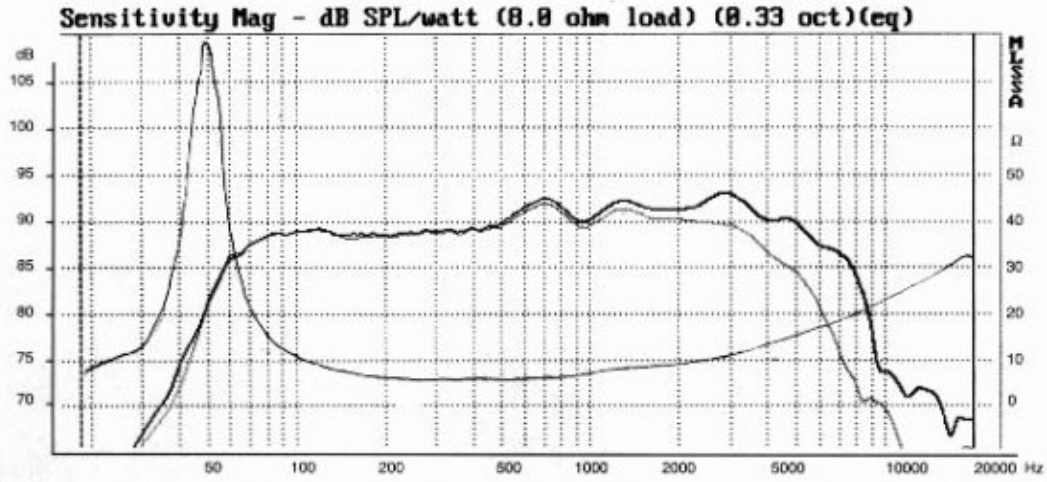
LA PASSION DU HAUT-PARLEUR

HM170X2

BASS MIDRANGE

RESPONSE CURVE

refer to page 16



RESPONSE CURVE :

— on axis

— 30° off-axis

In Vb REF volume cabinet

IMPEDANCE CURVE

COURBE DE REPONSE

— dans l'axe

— à 30 °

Dans enceinte volume Vb REF

COURBE D'IMPEDANCE

SPECIFICATIONS

Technical Characteristics	Symbol	Value	Units
PRIMARY APPLICATION			
Nominal Impedance	Z	8	Ω
Resonance Frequency	Fs	46	Hz
Nominal Power Handling	P	70	W
Sensitivity	E	90	dB
VOICE COIL			
Voice coil diameter	Ø	30	mm
Minimum Impedance	Zmin	6	Ω
DC Resistance	Re	6	Ω
Voice Coil Inductance	Lbm	0,31	mH
Voice coil Length	h	12,5	mm
Former	-	Kapton	-
Number of layers	n	1	-
MAGNET			
Magnet dimensions	Ø x h	100 x 18	mm
Magnet weight	m	0,55	kg
Flux density	B	1	T
Force factor	BL	6,4	NA^{-1}
Height of magnetic gap	He	6	mm
Stray flux	Fmag	-	Am^{-1}
Linear excursion	Xmax	±3,25	mm
PARAMETERS			
Suspension Compliance	Cms	$1,1.10^{-3}$	mN^{-1}
Mechanical Q Factor	Qms	10,62	-
Electrical Q Factor	Qes	0,46	-
Total Q Factor	Qts	0,44	-
Mechanical Resistance	Rms	0,29	kg s^{-1}
Moving Mass	Mms	$10,7.10^{-3}$	kg
Effective Piston Area	S	$1,39.10^{-2}$	m^2
Volume Equivalent of Air at Cas	Vas	$29,8.10^{-3}$	m^3
Mass of speaker	M	1,7	kg

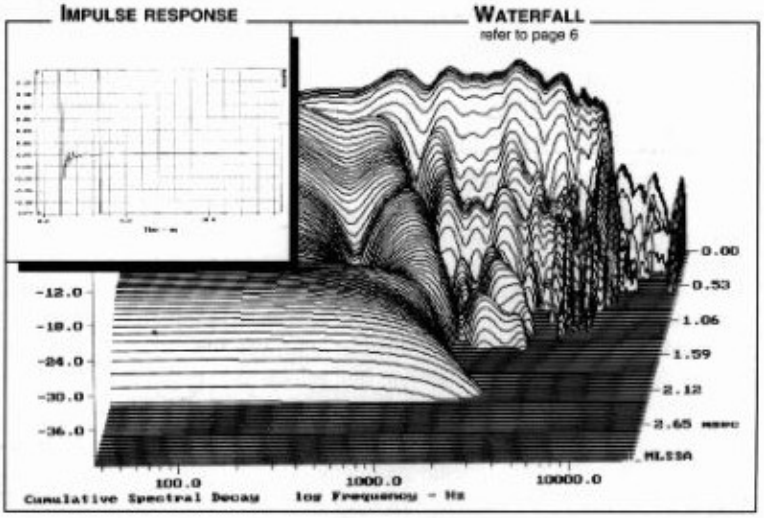
APPLICATION PARAMETERS

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

IMPULSE RESPONSE

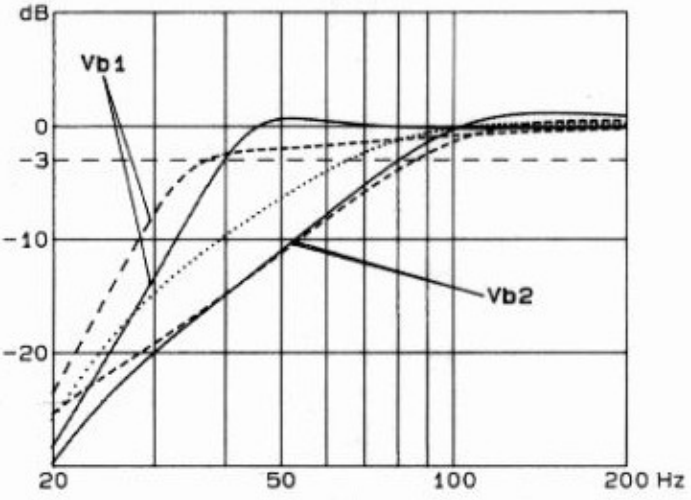
WATERFALL

refer to page 6



SUGGESTED APPLICATIONS

refer to page 8 to 13



	Vb	Fb	Dp	Lp
Vb 1	45	46	7,5	6,1
	45	37	5	3,9
Vb REF	15	42	5	12,9
Vb 2	8	50	3,2	6,7
	8	37	3,2	13,7