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HP170G0

102086Q

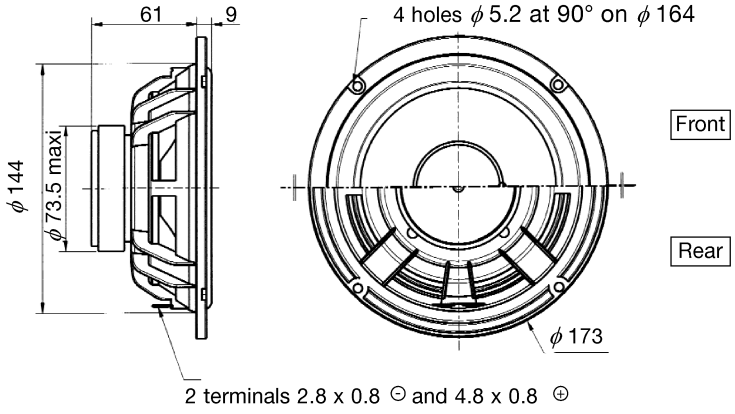
Dec .98

BASS MIDRANGE

HP170G0 W08PGP2511
102004G

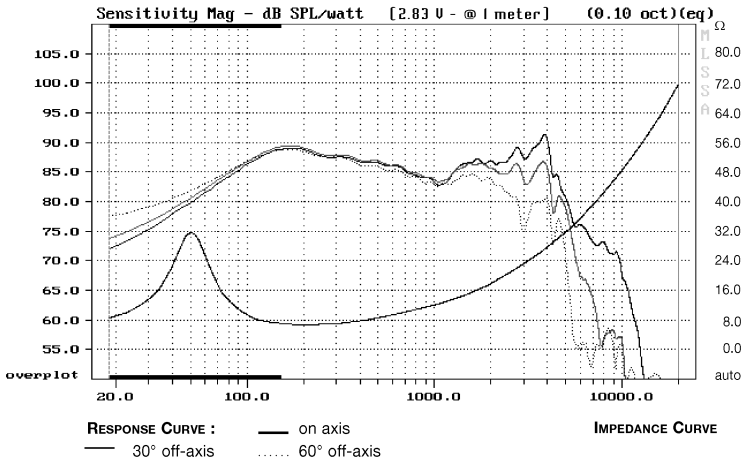
6 1/2" Coated paper cone
High impact polymer chassis

- *Non resonant high impact polymer chassis*
- *Coated paper cone*
- *High loss rubber surround*
- *Built in cosmetic ring designed for front-rear and recessed mounting*
- *High temperature voice coil - 4 layers*
- *Aluminium former*



All dimensions in mm

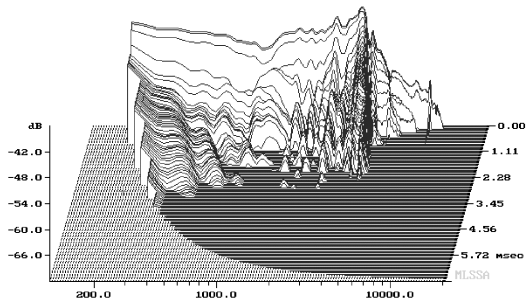
Response Curve



RESPONSE CURVE : —— on axis
—— 30° off-axis ..... 60° off-axis

IMPEDANCE CURVE

Waterfall



Cumulative Spectral Decay Log Frequency - Hz

SPECIFICATIONS

Technical characteristics	Symbol	Value	Units
PRIMARY APPLICATION			
Nominal Impedance	Z	6	Ω
Resonance Frequency	Fs	51,6	Hz
Nominal Power Handling	P	45	W
Sensitivity (2,83 V - 1m)	E	88,6	dB
VOICE COIL			
Voice Coil Diameter	ϕ	25	mm
Minimum Impedance	Zmin	6,4	Ω
DC Resistance	Dcr	5,6	Ω
Voice Coil Inductance	Lbm	1,14	mH
Voice Coil Length	h	11	mm
Former	-	Aluminium	-
Number of Layers	n	4	-
Wire type	-	round	-

MAGNET			
Magnet Dimensions	ϕ x h	72 x 15	mm
Magnet Weight	m	0,245	kg
Flux Density	B	1	T
Force Factor	BL	7,32	NA^{-1}
Height of Magnetic Gap	He	4	mm
Stray Flux	Fmag	-	Am^{-1}
Linear Excursion	Xmax	± 3,5	mm
PARAMETERS			
Suspension Compliance	Cms	669	µm/N
Mechanical Q Factor	Qms	2,37	-
Electrical Q Factor	Qes	0,48	-
Total Q Factor	Qts	0,40	-
Mechanical Resistance	Rms	1,94	kg s^{-1}
Moving Mass	Mms	14,18	g
Effective Piston Area	S	132,73	cm^2
Volume Equivalent of Air at Cas	Vas	16,57	liters

Suggested Applications

Vb	Fb	Dp	Lp	F-3
liters	Hz	cm	cm	Hz
15	52,7	6	16	52,2
20	52,5	6	11	48,2