HOSS

8"-300W Professional Woofer

HS08H24-in series

Professional speaker

GENERAL CHARACTERISTICS		
Nominal Overall Diameter	210	mm
Nominal Voice Coil Diameter	38	mm
Magnet Weight	134X20	mm
Flux Density	1.1	T
Weight	4	Kg

ELECTRICAL CHARACTERISTICS		
Nominal Impedance	7.2	Ω
Musical Power	300	W
Rated Power	150	W
Sensitivity@1W/1m	89	d B

THIELE-SMALL PARAMETERS			
Voice Coil DC Resistance	Re	7.2	Ω
Resonance Frequency	Fs	45	Hz
Mechanical Q Factor	Qms	4.722	
Electrical Q Factor	Qes	0.373	
Total Q Factor	Qts	0.345	
Mechanical Moving Mass	Mms	36.285	g
Mechanical Compliance	Cms	335	um/N
Force Factor	BL	14.17	Wb/m
Equivalent Acoustic Volume	Vas	21.79	lt.
Maximum Linear Displacement	Xmax	±5	mm
Reference Efficiency	ηo	0.54	%
Diaphragm Area	Sd	213	Cm2
Losses Electrical Resistance	Res		Ω
Voice Coil Inductance@ 1K Hz	LE		m H

CONSTRUCTIVE CHARACTERISTICS	
Magnet	Ferrite
Voice Coil Winding	Copper
Voice Coil Former	Kapton
Cone	Paper
Surround	Rubber
Dust Dome	Paper
Basket	Steel

SPL vs Freq

Map

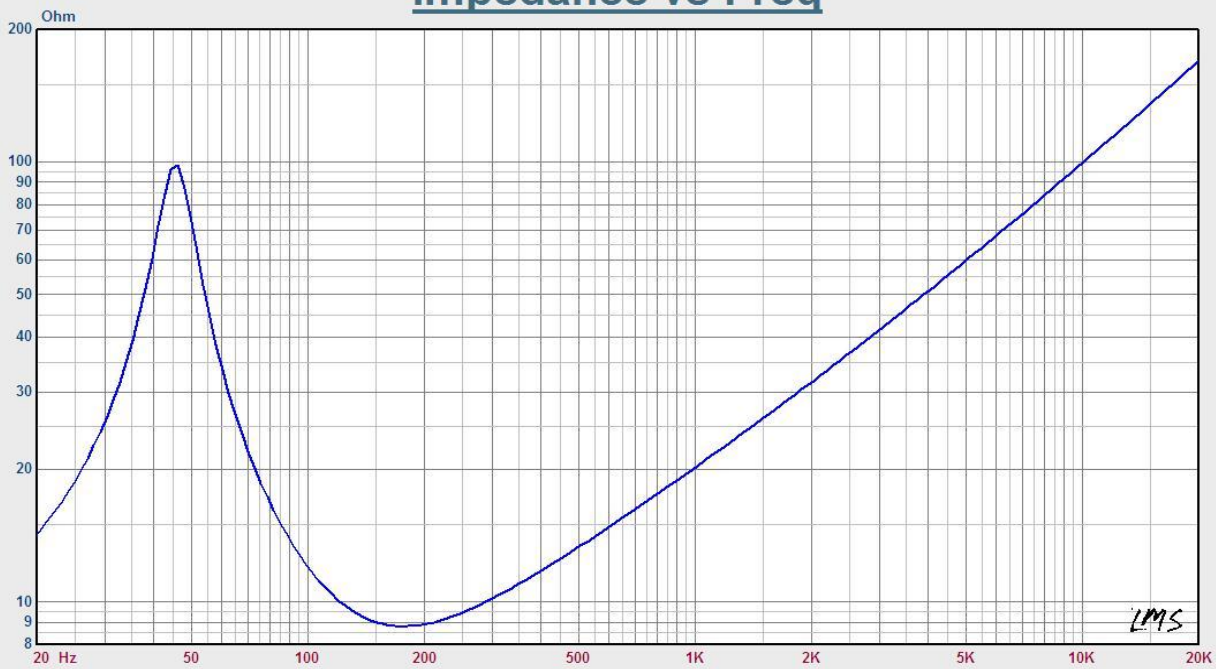
83: Sweep

Notes

Data Measured: Mar 8, 2005 Tue 2:36 am

LMS 4.6.0.371 五月-30-2007	Person: Company:	Project: File: HS08H24.lib	Mar 8, 2005 Tue 2:40 am	LINEAR SYSTEMS

Impedance vs Freq



Map

86: 3.6+3.6 7.2ohm TS

Notes

Revc=7.200 Ohm Fo=45.604 Hz Sd=21.382m M?Md=40.000 g

BL=14.171 T指 Qms= 4.722 Qes= 0.373 Qts= 0.345 No= 0.536 % SPLo= 89.3 dB

Vas=21.792m M? Cms=335.674u M/N Krm=1.583m Ohm Erm=0.954

Mms=36.285 g Mmd=34.487m Kg Kxm=42.527m H Exm=0.675

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