

Model No.: BMR85DD NA8Y
 Product Line: Tymphany

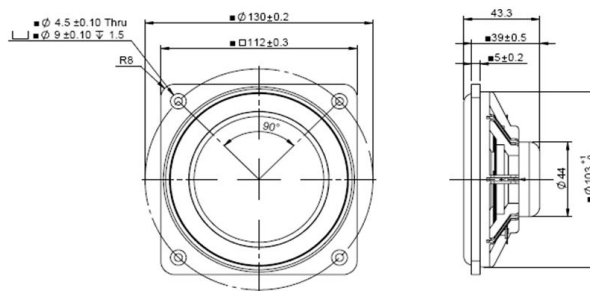
Rev: 4
 Last Update: 2017-11-20 21:44:58

Product Description

This 8ohm 4.5inch full range transducer is a member of the new BMR family. This driver features a powerful neodymium magnet, nestled within an innovative suspension system. The motor contains a copper cap to lower inductance and distortion. The flat cone is honeycomb paper material, with rubber surround, with plastic basket. Is designed to be a high performance full range driver. This family driver is used for shallow applications such as television soundbars and compact music system.



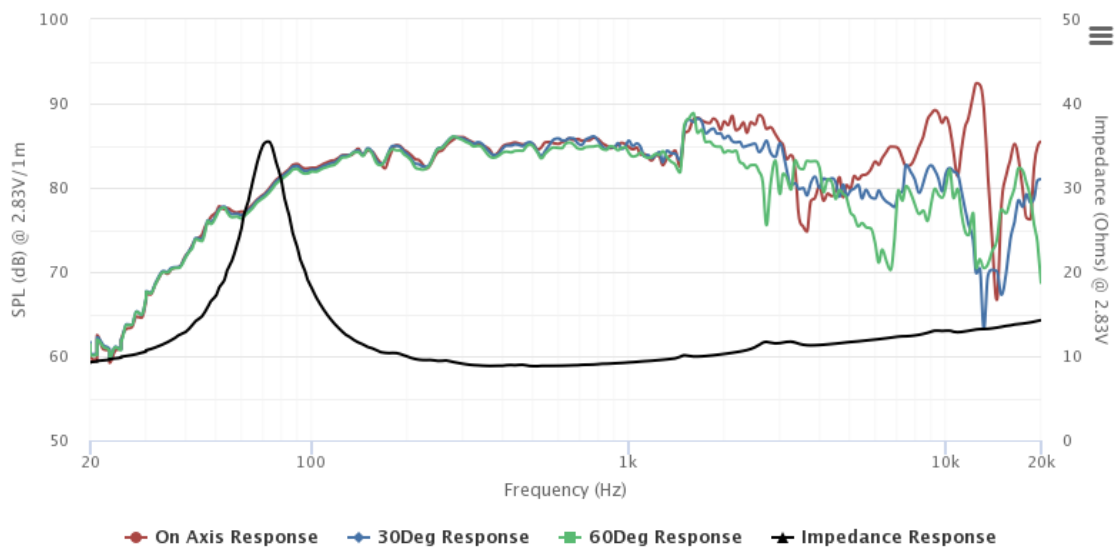
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	7.57	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs
Minimum Impedance	Zmin	Ohms	8.81	7.5%	Moving Mass	Mms	g
Voice Coil Inductance	Le	mH	0.04		Suspension Compliance	Cms	um/N
Resonant Frequency	Fs	Hz	86.75	15%	Effective Cone diameter	D	cm
Mechanical Q Factor	Qms		3.47		Effective Piston Area	Sd	cm ²
Electrical Q Factor	Qes	0.99			Effective Volume	Vas	L
Total Q Factor	Qts	0.77			Motor Force Factor	BL	Tm
Ratio Fs/Qts	F	Fs/Qts	112.8		Motor Efficiency Factor	β	(T*M ²)/Ohms
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	85.02	+/- 1.0db	Voice coil former Material	VCfm	ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	85.4	+/- 1.0db	Voice coil inner diameter	VCd	mm
Gap Height	Gh	mm	4		Rated Noise Power	P	W
Maximum Linear Excursion	Xmax	mm	0.7		Test Spectrum Bandwidth		20Hz-12KHz
Ferrofluid Type	FF				Driver Size	Inch	4 in
Driver Mass	Kg	0.22					

Frequency and Impedance Response



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