

Model No:: H25TG05-04

Product Line: Tymphany

Rev: 1

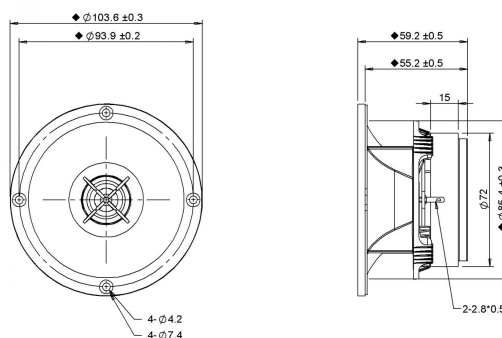
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Product Description

This is a 1 inch 4 ohm transducer, member of the H family. This family design features a treated Ti dome, large rear chamber for low resonant frequency, and a ferrofluid cooled the motor. The large motor allow for robust power handling capacity. The tweeter comes with a faceplate with recessed mounting holes, for easy installation into the desired application. The faceplate has a horn geometry for increased sensitivity.



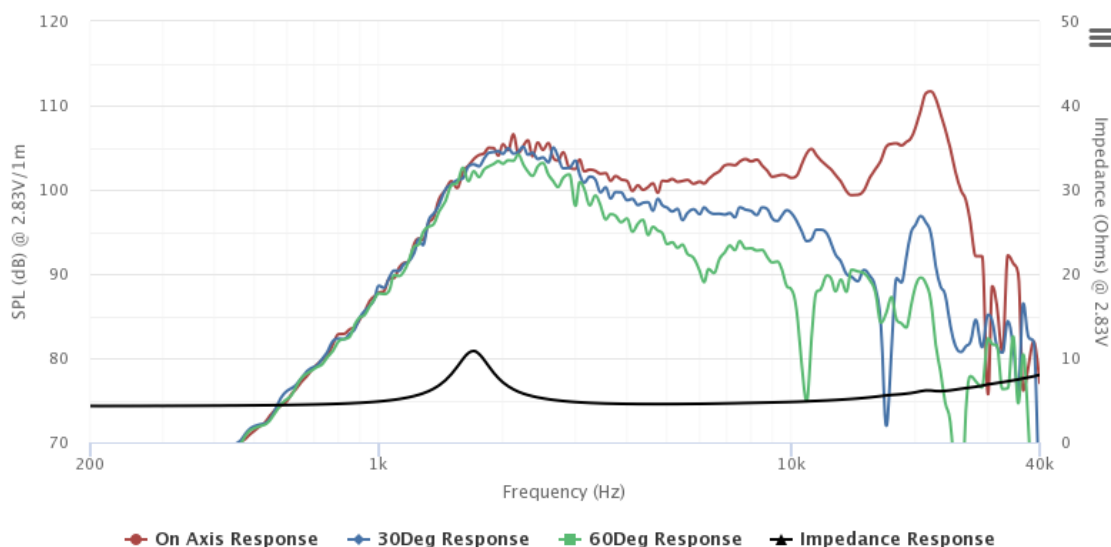
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3.69	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	4.55	7.5%	Moving Mass	Mms	g	0.4
Voice Coil Inductance	Le	mH	0.01		Suspension Compliance	Cms	um/N	23.5
Resonant Frequency	Fs	Hz	1738.33	15%	Effective Cone diameter	D	cm	2.58
Mechanical Q Factor	Qms		4.23		Effective Piston Area	Sd	cm^2	5.2
Electrical Q Factor	Qes	2.66			Effective Volume	Vas	L	0
Total Q Factor	Qts		1.63		Motor Force Factor	BL	Tm	2.33
Ratio Fs/Qts	F	Fs/Qts	1063.85		Motor Efficiency Factor	β	(T*M^2)/Ohms	1.5
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	100.56	+/- 1.0db	Voice coil former Material	VCfm		KSV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	98.1	+/- 1.0db	Voice coil inner diameter	VCd	mm	25.4
Gap Height	Gh	mm	3		Rated Noise Power	P	W	150
Maximum Linear Excursion	Xmax	mm	1		Test Spectrum Bandwidth		2KHz-20KHz	
Ferrofluid Type	FF				Driver Size	Inch	25 mm	
Driver Mass	Kg	0.56						

Frequency and Impedance Response



Highcharts.com