

Model No.: XT25SC90-04
 Product Line: Tymphany

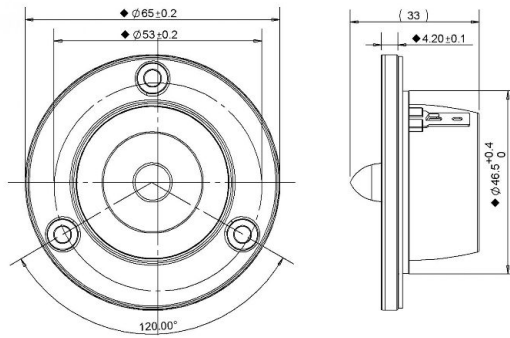
Rev: 1
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Product Description

This member of the XT tweeter family utilizes two Tymphany technologies to deliver exceptional sound quality: the ring radiator patent, and the central waveguide patent. This model features a 4 ohm 25 mm voice coil, mounted in a neodymium magnet motor. The tweeter also features a rear chamber to create extended low frequency response. The faceplate features recessed mounting holes which minimizes reflections off of mounting screws.



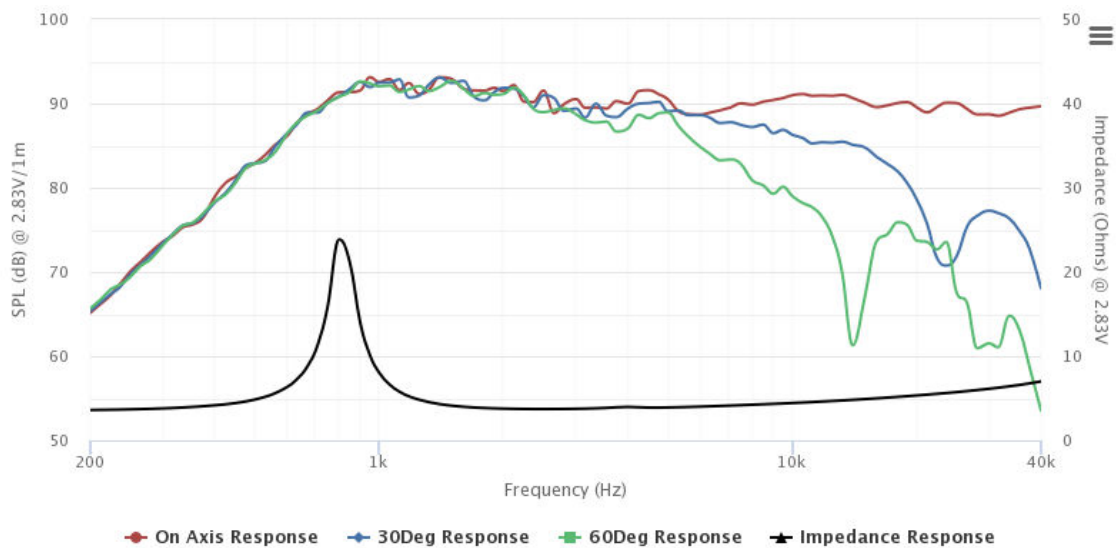
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3.13	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	3.72	7.5%	Moving Mass	Mms	g	0.3
Voice Coil Inductance	Le	mH	0.01		Suspension Compliance	Cms	um/N	118.5
Resonant Frequency	Fs	Hz	824.75	15%	Effective Cone diameter	D	cm	3.3
Mechanical Q Factor	Qms		7.17		Effective Piston Area	Sd	cm ²	8.6
Electrical Q Factor	Qes	1.07			Effective Volume	Vas	L	0.01
Total Q Factor	Qts	0.93			Motor Force Factor	BL	Tm	2.18
Ratio Fs/Qts	F	Fs/Qts	887.78		Motor Efficiency Factor	β	(T*M ²)/Ohms	1.5
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	90.14	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	86.8	+/- 1.0db	Voice coil inner diameter	VCd	mm	25.76
Gap Height	Gh	mm	2		Rated Noise Power	P	W	100
Maximum Linear Excursion	Xmax	mm	0.1		Test Spectrum Bandwidth		800Hz - 20kHz	
Ferrofluid Type	FF				Driver Size	Inch		25 mm
Driver Mass	Kg	0.07						

Frequency and Impedance Response



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