

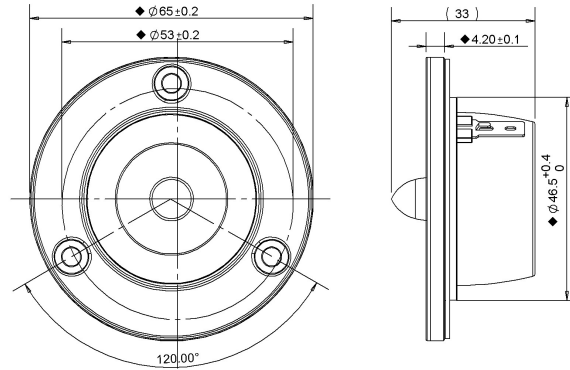
Tweeter

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.



XT25SC90-04

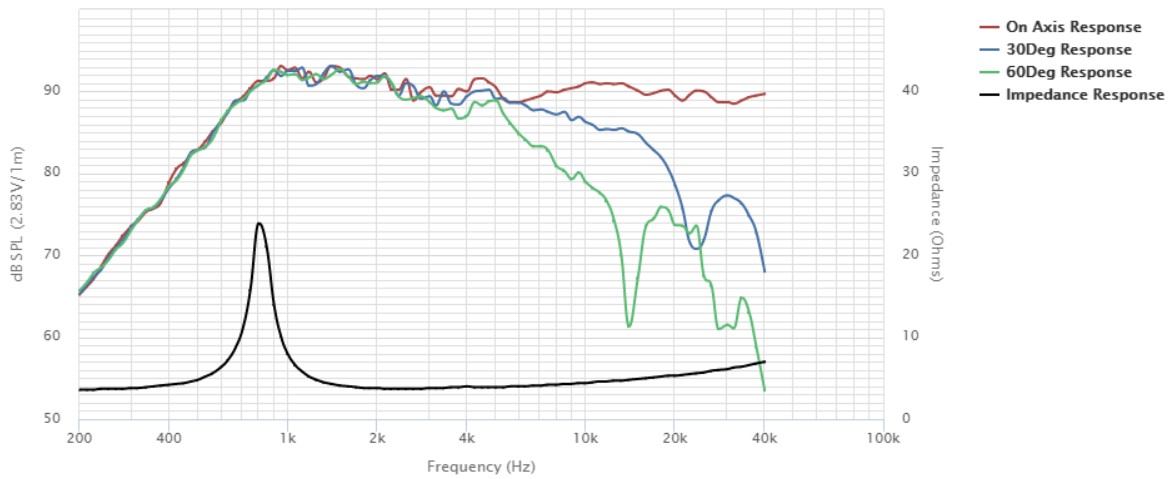
MECHANICAL 2D DRAWING



SPECIFICATIONS

DC Resistance	Revc	Ω	3.13	±5.0%	Moving Mass	Mms	g	0.3
Minimum Impedance	Zmin	Ω	3.72	±7.5%	Suspension Compliance	Cms	um/N	118.5
Voice Coil Inductance	Le	mH	0.01	-	Effective Cone Diameter	D	cm	3.3
Resonant Frequency	fs	Hz	824.75	15%	Effective Piston Area	Sd	cm ²	8.6
Mechanical Q Factor	Qms	-	7.17	-	Equivalent Volume	Vas	L	0.01
Electrical Q Factor	Qes	-	1.07	-	Motor Force Factor	BL	T•m	2.18
Total Q Factor	Qts	-	0.93	-	Motor Efficiency Factor	β	(T•m ²)/Ω	1.5
Ratio	fs/Qts	-	887.78	-	Voice Coil Former Material	VCfm	-	ASV
Half Space Sensitivity	dB@2.83V/1m	dB	90.14	±1.01	Voice Coil Inner Diameter	VCd	mm	25.76
Sensitivity	1W/1m	dB	86.8	±1.01	Gap Height	Gh	mm	2
Rated Noise Power (IEC 268-5 18.1)	P	W	100	-	Maximum Linear Excursion	Xmax	mm	0.1
Test Spectrum Bandwidth		12 dB/Oct	800Hz - 20kHz	-	Ferrofluid Type	FF	-	
Energy Bandwidth Product	EBP	(1/Qes)•fs		-	Transducer Size		-	25 mm
				-	Transducer Mass		Kg	0.07

FREQUENCY & IMPEDANCE RESPONSE



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