

Model No:: DX20BF00-08
Product Line: Tymphany

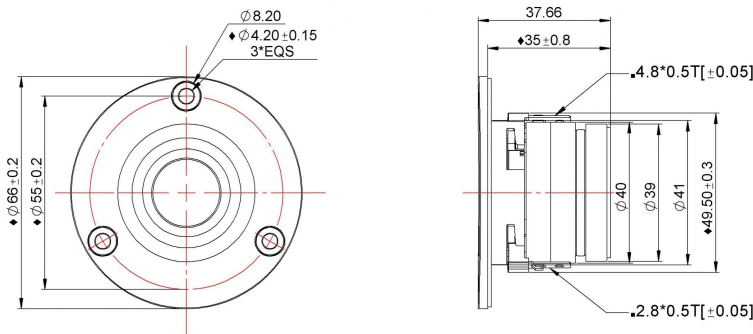
Rev: 1
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Product Description

This DX family tweeter features a 19 mm 8 ohm voice coil, a damped silk diaphragm with large surround roll to produce a low resonant frequency, and a ferrite magnet motor which adds heat sinking for power handling capacity. The faceplate features recessed mounting holes to minimize reflections.



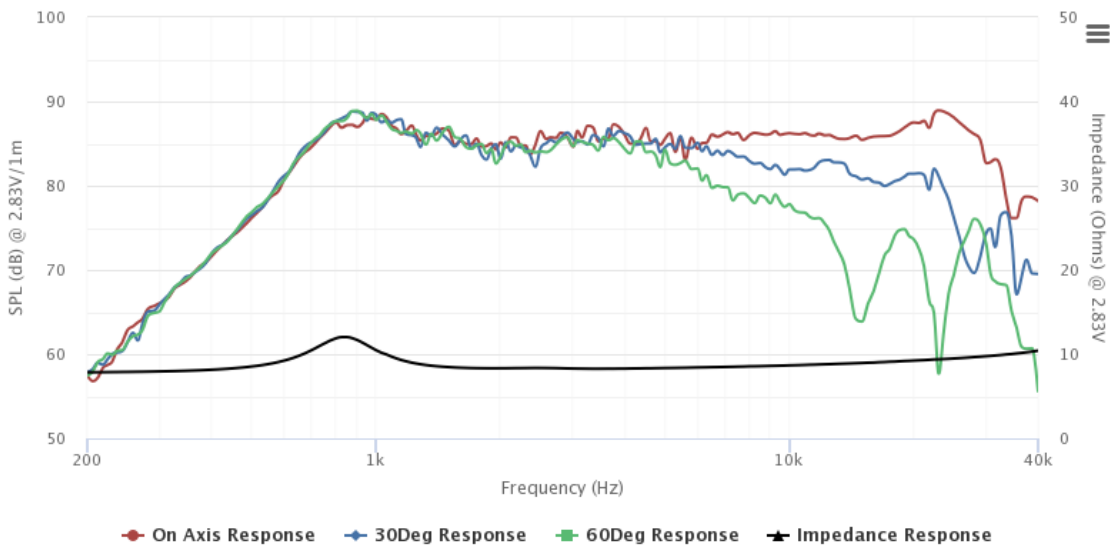
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	7.52	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	8.27	7.5%	Moving Mass	Mms	g	0.1
Voice Coil Inductance	Le	mH	0.02		Suspension Compliance	Cms	um/N	310
Resonant Frequency	Fs	Hz	810	15%	Effective Cone diameter	D	cm	2.5
Mechanical Q Factor	Qms		2.86		Effective Piston Area	Sd	cm^2	4.9
Electrical Q Factor	Qes	4.23			Effective Volume	Vas	L	0.01
Total Q Factor	Qts		1.71		Motor Force Factor	BL	Tm	1.06
Ratio Fs/Qts	F	Fs/Qts	474.24		Motor Efficiency Factor	β	(T*M^2)/Ohms	0.1
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	86.12	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	86.3	+/- 1.0db	Voice coil inner diameter	VCd	mm	19.3
Gap Height	Gh	mm	2		Rated Noise Power	P	W	60
Maximum Linear Excursion	Xmax	mm	0.1		Test Spectrum Bandwidth		2.5KHz-20KHz	
Ferrofluid Type	FF		APG O27N		Driver Size	Inch	20 mm	
Driver Mass	Kg		0.17					

Frequency and Impedance Response



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