

Model No:: DX25BG60-04
Product Line: Tymphany

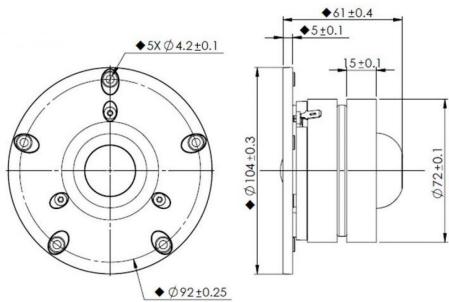
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Product Description

This DX family tweeter features a 4 ohm 25 mm ferrofluid-cooled voice coil, a damped silk diaphragm with large surround roll to produce a low resonant frequency, and a big ferrite magnet motor for power handling capacity. The faceplate features recessed mounting holes to minimize reflections.



Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3.47	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	4.25	7.5%	Moving Mass	Mms	g	0.3
Voice Coil Inductance	Le	mH	0.01		Suspension Compliance	Cms	um/N	475
Resonant Frequency	Fs	Hz	415.36	15%	Effective Cone diameter	D	cm	3.2
Mechanical Q Factor	Qms		1.4		Effective Piston Area	Sd	cm^2	8
Electrical Q Factor	Qes	0.48			Effective Volume	Vas	L	0.04
Total Q Factor	Qts		0.35		Motor Force Factor	BL	Tm	2.46
Ratio Fs/Qts	F	Fs/Qts	1186.74		Motor Efficiency Factor	ß	(T*M^2)/Ohms	1.7
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	93.99	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	91.2	+/- 1.0db	Voice coil inner diameter	VCd	mm	25.76
Gap Height	Gh	mm	2		Rated Noise Power	P	W	80
Maximum Linear Excursion	Xmax	mm	0.1		Test Spectrum Bandwidth		2.5kHz - 20kHz	
Ferrofluid Type	FF				Driver Size	Inch	25 mm	
Driver Mass	Kg	0.8						

Frequency and Impedance Response

