

Driver Specification Sheet

Model No.: TPY05W04O0089
Product Line: Tymphany

Rev: 1
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Product Description

This 5.25 inch 4 ohm driver is a member of the Heritage family.



Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3.74	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	5.08	7.5%	Moving Mass	Mms	g	8.6
Voice Coil Inductance	Le	mH	0.18		Suspension Compliance	Cms	um/N	386.4
Resonant Frequency	Fs	Hz	87.42	15%	Effective Cone diameter	D	cm	10.7
Mechanical Q Factor	Qms		3.53		Effective Piston Area	Sd	cm^2	89.9
Electrical Q Factor	Qes		0.73		Effective Volume	Vas	L	4.39
Total Q Factor	Qts		0.6		Motor Force Factor	BL	Tm	4.92
Ratio Fs/Qts	F	Fs/Qts	144.97		Motor Efficiency Factor	β	(T*M^2)/Ohms	6.5
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	89.21	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	87.2	+/- 1.0db	Voice coil inner diameter	VCd	mm	25.73
Gap Height	Gh	mm	6		Rated Noise Power	P	W	25
Maximum Linear Excursion	Xmax	mm	2.5		Test Spectrum Bandwidth		20Hz-4KHz	
Ferrofluid Type	FF				Driver Size	Inch	5.25 in	
Driver Mass	Kg		0.66					

Frequency and Impedance Response

