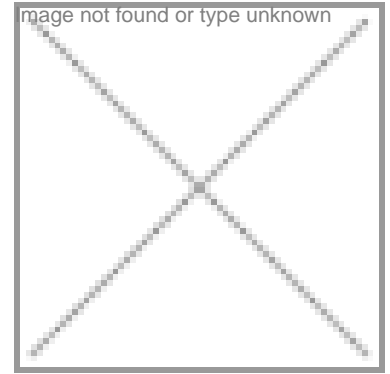


Model No.: TC7FD04-04  
 Product Line: Tymphany

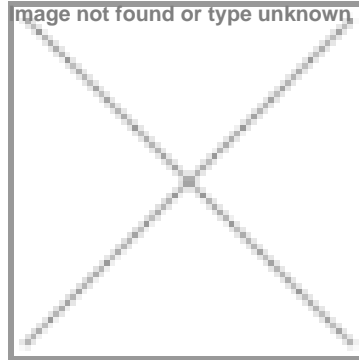
Rev: 1  
 Last Update: 2017-04-25 21:32:09

## Product Description

This TC family full-range driver, with 2.5 inch 4 Ohm paper cone and fabric surround, is designed to be a cost-effective high performance full range driver. The cone utilizes Tymphany-patented PentaCut NRSC cone technology to help dampen and control cone resonances, optimizing the listening experience. The motor contains a copper cap to lower inductance and distortion. The product was designed with column speaker and other high sensitivity full range applications in mind.



## Mechanical Drawing



## Specifications

DC Resistance	Revc	Ohms	3.45	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	4.41	7.5%	Moving Mass	Mms	g	1.2
Voice Coil Inductance	Le	mH	0.02		Suspension Compliance	Cms	um/N	518.7
Resonant Frequency	Fs	Hz	201.81	15%	Effective Cone diameter	D	cm	5.3
Mechanical Q Factor	Qms		3.39		Effective Piston Area	Sd	cm^2	22.1
Electrical Q Factor	Qes	0.88			Effective Volume	Vas	L	0.38
Total Q Factor	Qts	0.7			Motor Force Factor	BL	Tm	2.44
Ratio Fs/Qts	F	Fs/Qts	288.3		Motor Efficiency Factor	β	(T*M^2)/Ohms	1.7
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	90.56	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	88	+/- 1.0db	Voice coil inner diameter	VCd	mm	19.32
Gap Height	Gh	mm	3		Rated Noise Power	P	W	20
Maximum Linear Excursion	Xmax	mm	1		Test Spectrum Bandwidth		200Hz -10kHz	
Ferrofluid Type	FF				Driver Size	Inch	2.5 in	
Driver Mass	Kg	0.32						

## Frequency and Impedance Response

