

Model No.: TC7FD04-04

Rev: 1

Product Line: Tymphany

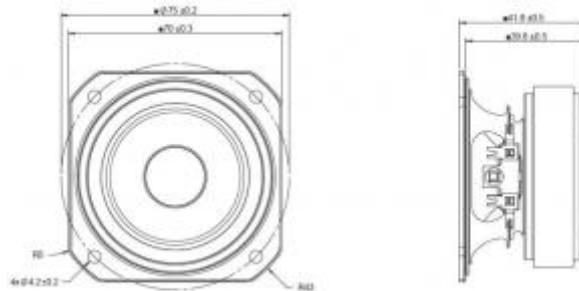
Last Update: 2017-04-25 14:32:09

## 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 and distortion. The product was designed with column speaker and other high sensitivity full range applications in mind.



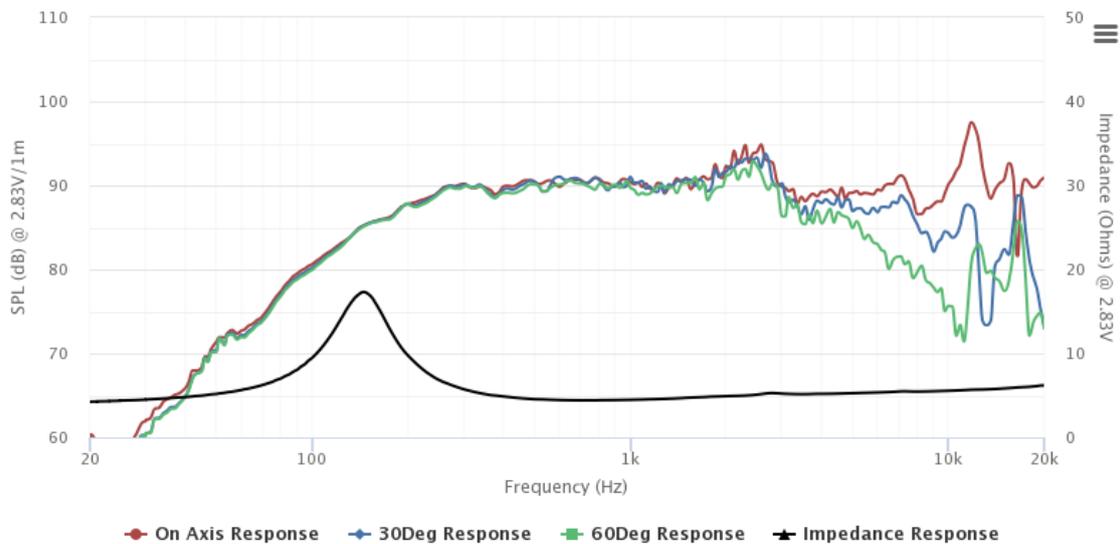
## Mechanical Drawing



## 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
Voice Coil Inductance	Le	mH	0.02		Suspension Compliance	Cms	um/N
Resonant Frequency	Fs	Hz	201.81	15%	Effective Cone diameter	D	cm
Mechanical Q Factor	Qms		3.39		Effective Piston Area	Sd	cm^2
Electrical Q Factor	Qes		0.88		Effective Volume	Vas	L
Total Q Factor	Qts		0.7		Motor Force Factor	BL	Tm
Ratio Fs/Qts	F	Fs/Qts	288.3		Motor Efficiency Factor	β	(T*M^2)/Ohms
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
Gap Height	Gh	mm	3		Rated Noise Power	P	W
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



Highcharts.com