

Model No.: FSL-0818R01-08  
 Product Line: Tymphany

Rev: 1  
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## Product Description

This 8 inch 8 ohm speaker features a FEA optimized ferrite magnet motor, a 1.8 inch high-temperature voice coil, vented yoke for motor colling, and a high strength stamped steel frame. Kevlar loaded non-pressed paper cone to help dampen and control cone resonance. The multi-roll surround and spider have been optimized to reduce distortion over the excursion range of this transducer.



## Mechanical Drawing



## Specifications

DC Resistance	Revc	Ohms	5.56	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	7.32	7.5%	Moving Mass	Mms	g	20.3
Voice Coil Inductance	Le	mH	0.48		Suspension Compliance	Cms	um/N	228.7
Resonant Frequency	Fs	Hz	73.93	15%	Effective Cone diameter	D	cm	16.7
Mechanical Q Factor	Qms		3.03		Effective Piston Area	Sd	cm^2	217.7
Electrical Q Factor	Qes	0.4			Effective Volume	Vas	L	15.04
Total Q Factor	Qts	0.35			Motor Force Factor	BL	Tm	11.49
Ratio Fs/Qts	F	Fs/Qts	210.62		Motor Efficiency Factor	β	(T*M^2)/Ohms	23.7
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	94.82	+/- 1.0db	Voice coil former Material	VCfm		KSV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	94.4	+/- 1.0db	Voice coil inner diameter	VCd	mm	45.5
Gap Height	Gh	mm	6		Rated Noise Power	P	W	220
Maximum Linear Excursion	Xmax	mm	2.2		Test Spectrum Bandwidth		70Hz-700Hz	
Ferrofluid Type	FF				Driver Size	Inch	8 in	
Driver Mass	Kg	2.4						

## Frequency and Impedance Response

