

Model No: XXLS-300F50AL01-04

Rev: 1

Product Line: Tymphany

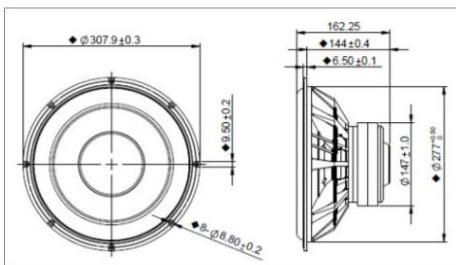
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## Product Description

XXLS 12inch subwoofer, ferrite magnet, cast aluminium basket, Aluminum cone, 4ohm



## Mechanical Drawing



## Specifications

DC Resistance	Revc	Ohms	2.63	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs
Minimum Impedance	Zmin	Ohms	3.03	7.5%	Moving Mass	Mms	g
Voice Coil Inductance	Le	mH	0.72		Suspension Compliance	Cms	um/N
Resonant Frequency	Fs	Hz	22.4	15%	Effective Cone diameter	D	cm
Mechanical Q Factor	Qms		9.79		Effective Piston Area	Sd	cm^2
Electrical Q Factor	Qes	0.42			Effective Volume	Vas	L
Total Q Factor	Qts	0.41			Motor Force Factor	BL	Tm
Ratio Fs/Qts	F	Fs/Qts	55.31		Motor Efficiency Factor	β	(T*M^2)/Ohms
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	89.24	+/- 1.0db	Voice coil former Material	VCfm	GSV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	85	+/- 1.0db	Voice coil inner diameter	VCd	mm
Gap Height	Gh	mm	8		Rated Noise Power	P	W
Maximum Linear Excursion	Xmax	mm	12.3		Test Spectrum Bandwidth	20HZ-4KHZ	
Ferrofluid Type	FF				Driver Size	Inch	12 in
Driver Mass	Kg	6.38					

## Frequency and Impedance Response



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