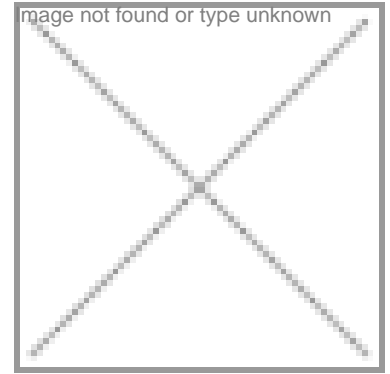


Model No.: XXLS-300F50AL01-04
 Product Line: Tymphany

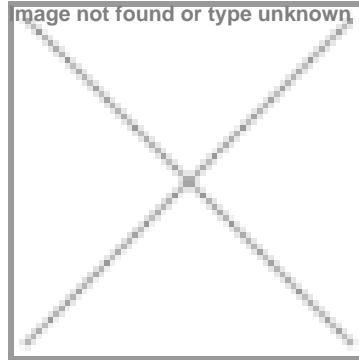
Rev: 1
 Last Update: 2017-01-05 06:20:43

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	138.4
Voice Coil Inductance	Le	mH	0.72		Suspension Compliance	Cms	um/N	366
Resonant Frequency	Fs	Hz	22.4	15%	Effective Cone diameter	D	cm	24.4
Mechanical Q Factor	Qms		9.79		Effective Piston Area	Sd	cm^2	467.6
Electrical Q Factor	Qes	0.42			Effective Volume	Vas	L	113.26
Total Q Factor	Qts	0.41			Motor Force Factor	BL	Tm	11.01
Ratio Fs/Qts	F	Fs/Qts	55.31		Motor Efficiency Factor	β	(T*M^2)/Ohms	46.1
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	51
Gap Height	Gh	mm	8		Rated Noise Power	P	W	120
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

