

Model No.: STW-350F188PR01-04

Rev: 1

Product Line: Tymphany

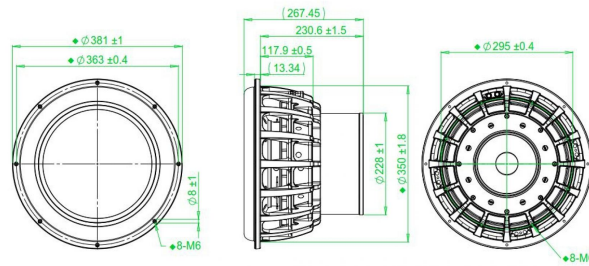
Last Update: 2019-02-21 09:14:21

Product Description

STW subwoofer, 15inch, 188mm voice coil, paper cone, ferrite motor, cast aluminium basket, 4ohm



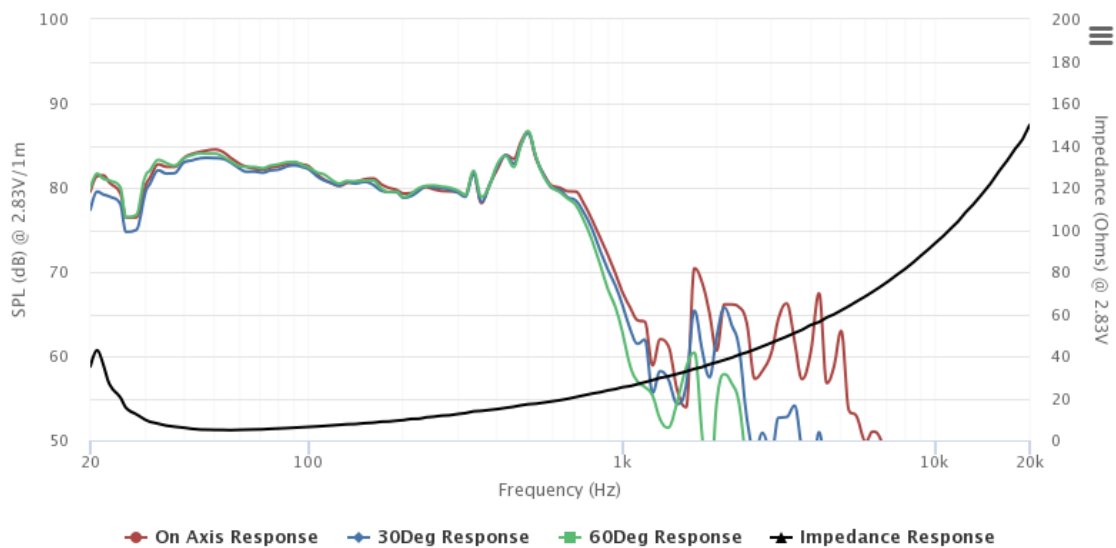
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3.2	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	4.86	7.5%	Moving Mass	Mms	g	546.1
Voice Coil Inductance	Le	mH	3.31		Suspension Compliance	Cms	um/N	69
Resonant Frequency	Fs	Hz	26.55	15%	Effective Cone diameter	D	cm	31.4
Mechanical Q Factor	Qms		11.39		Effective Piston Area	Sd	cm^2	774.4
Electrical Q Factor	Qes	0.5			Effective Volume	Vas	L	58.16
Total Q Factor	Qts	0.48			Motor Force Factor	BL	Tm	24.18
Ratio Fs/Qts	F	Fs/Qts	55.2		Motor Efficiency Factor	β	(T*M^2)/Ohms	182.7
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	83.54	+/- 1.0db	Voice coil former Material	VCfm		Til 0.2mm
Half Space Sensitivity @1W/1M	db@1W/1M	dB	81.4	+/- 1.0db	Voice coil inner diameter	VCd	mm	188
Gap Height	Gh	mm	36		Rated Noise Power	P	W	3500
Maximum Linear Excursion	Xmax	mm	10.4		Test Spectrum Bandwidth		20-20KHz	
Ferrofluid Type	FF				Driver Size	Inch	15 in	
Driver Mass	Kg	26.6						

Frequency and Impedance Response



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