

Model No:: SBS-300F38CP01-04  
Product Line: Tymphany

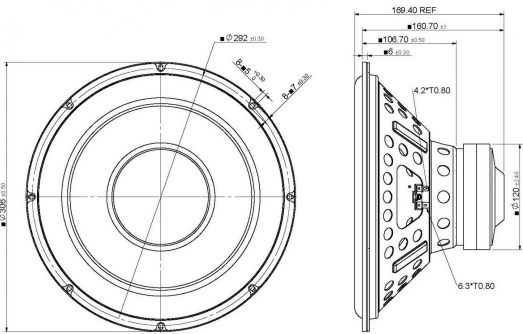
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Product Description

This 12inch 4ohm subwoofer, a member of the new SBS product family, with a coated paper cone, with NBR surround and steel basket, the motor features a double ferrite magnet motor. The product offers high power handling capacity, geared towards operation in smaller sealed powered systems.



Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3.82	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	6.09	7.5%	Moving Mass	Mms	g	150
Voice Coil Inductance	Le	mH	1.61		Suspension Compliance	Cms	um/N	152.4
Resonant Frequency	Fs	Hz	36.23	15%	Effective Cone diameter	D	cm	25.5
Mechanical Q Factor	Qms		4.78		Effective Piston Area	Sd	cm^2	510.7
Electrical Q Factor	Qes	0.7			Effective Volume	Vas	L	55.83
Total Q Factor	Qts	0.61			Motor Force Factor	BL	Tm	12.53
Ratio Fs/Qts	F	Fs/Qts	59.19		Motor Efficiency Factor	β	(T*M^2)/Ohms	41.1
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	86.63	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	85.4	+/- 1.0db	Voice coil inner diameter	VCd	mm	38.75
Gap Height	Gh	mm	8		Rated Noise Power	P	W	250
Maximum Linear Excursion	Xmax	mm	8.3		Test Spectrum Bandwidth	40Hz-200Hz		
Ferrofluid Type	FF				Driver Size	Inch	12 in	
Driver Mass	Kg	3.56						

Frequency and Impedance Response

