# **Driver Specification Sheet**

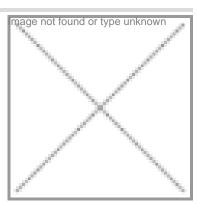
Rev:

Model No:: SBS-250F38CP01-04

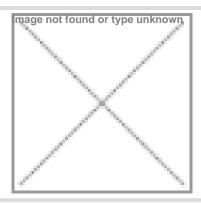
Product Line: Tymphany Last Update: 2017-04-25 21:32:09

#### **Product Description**

This 10inch 40hm 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 systerm.



### **Mechanical Drawing**



### **Specifications**

DC Resistance	Revc	Ohms	3.89	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	6.26	7.5%	Moving Mass	Mms	g	90.5
Voice Coil Inductance	Le	mH	1.16		Suspension Compliance	Cms	um/N	112.1
Resonant Frequency	Fs	Hz	49.96	15%	Effective Cone diameter	D	cm	20.8
Mechanical Q Factor	Qms		4.46		Effective Piston Area	Sd	cm^2	339.8
Electrical Q Factor	Qes	0.93			Effective Volume	Vas	L	18.18
Total Q Factor	Qts		0.77		Motor Force Factor	BL	Tm	10.88
Ratio Fs/Qts	F	Fs/Qts	64.72		Motor Efficiency Factor	ß	(T*M^2)/Ohms	30.4
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	86.61	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	85.5	+/- 1.0db	Voice coil inner diameter	VCd	mm	38.75
Gap Height	Gh	mm	8		Rated Noise Power	P	W	200
Maximum Linear Excursion	Xmax	mm	10.5		Test Spectrum Bandwidth	40Hz-200Hz		
Ferrofluid Type	FF				Driver Size	Inch	10 in	
Driver Mass	Kg	3.16						

## **Frequency and Impedance Response**

