

Model No: GBS-85N25PR01-04
Product Line: Tymphany

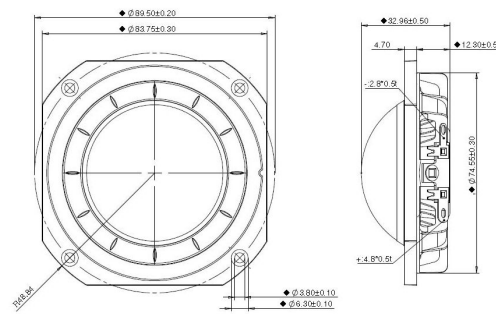
Rev: ES4
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Product Description

This 3.5 inch 4 ohm transducer member of the GBS family provides a very slim woofer capable of large excursion. A highly optimized neodymium magnet and unique suspension layout combine to give a cost effective solution in a previously unavailable package.



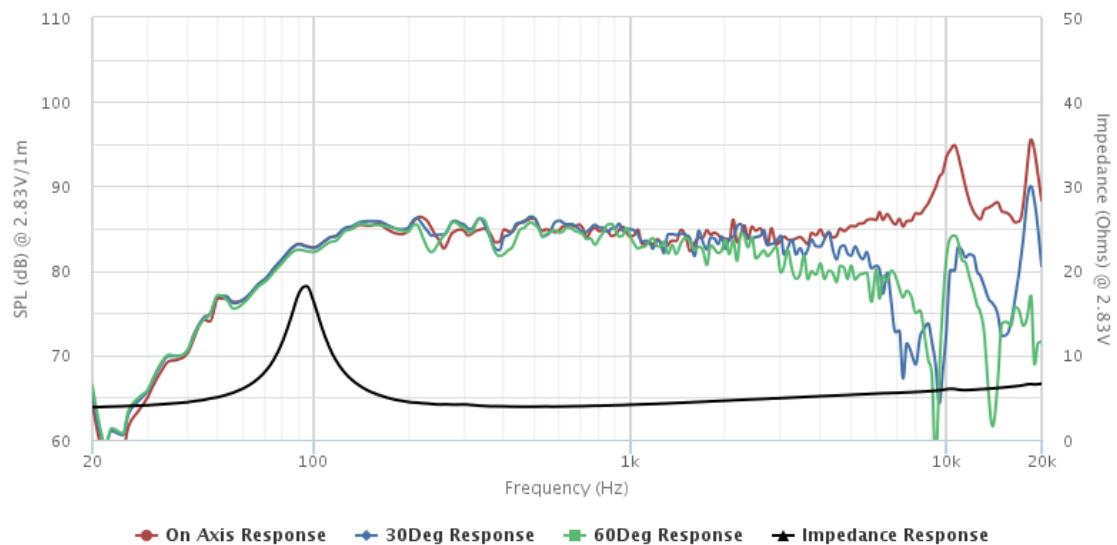
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3.15	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	3.92	7.5%	Moving Mass	Mms	g	3.5
Voice Coil Inductance	Le	mH	0.03		Suspension Compliance	Cms	um/N	824.9
Resonant Frequency	Fs	Hz	93.85	15%	Effective Cone diameter	D	cm	6
Mechanical Q Factor	Qms		3.31		Effective Piston Area	Sd	cm^2	28.3
Electrical Q Factor	Qes	0.86			Effective Volume	Vas	L	1.06
Total Q Factor	Qts		0.68		Motor Force Factor	BL	Tm	2.75
Ratio Fs/Qts	F	Fs/Qts	138.01		Motor Efficiency Factor	β	(T*M^2)/Ohms	2.4
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	85.65	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	82.5	+/- 1.0db	Voice coil inner diameter	Vcd	mm	25.73
Gap Height	Gh	mm	3		Rated Noise Power	P	W	5
Maximum Linear Excursion	Xmax	mm	2.1		Test Spectrum Bandwidth		250~20KHz	
Ferrofluid Type	FF				Driver Size	Inch	3.5 in	
Driver Mass	Kg	0.12						

Frequency and Impedance Response



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