TYMPHANY

SLS
6½″ Subwoofer

Peerless

Type Number: 830946

Features:

The SLS line combines high quality performance with an affordable design. These transducers are ideal for use in systems with high power handling requirements, and are logically combined with the SDS line.

Go to Architecture Notes

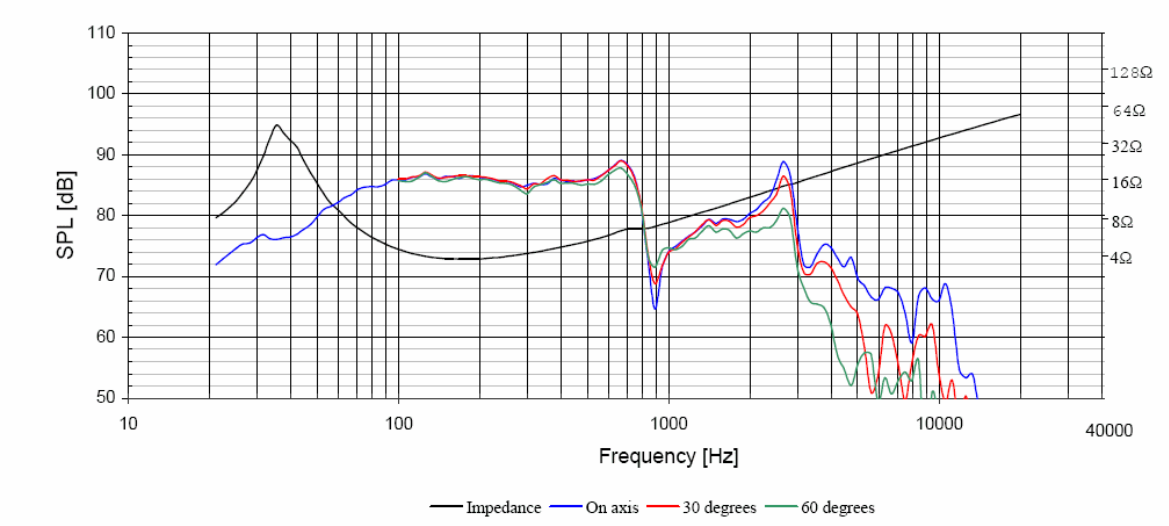
Specs:

Electrical Data			
Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	3.4	ohm
Maximum impedance	Zo	56.8	ohm
DC resistance	Re	2.8	ohm
Voice coil inductance	Le	1.5	mH
Capacitor in series with x ohm	Cc	--	uF
T-S Parameters			
Resonance Frequency	fs	36.1	Hz
Mechanical Q factor	Qms	6.2	
Electrical Q factor	Qes	0.33	
Total Q factor	Qts	0.31	
Force factor	Bl	8.3	Tm
Mechanical resistance	Rms	1.29	Kg/s
Moving mass	Mms	35.2	g
Suspension compliance	Cms	0.55	mm/N
Effective cone diameter	D	12.8	cm
Effective piston area	Sd	129	cm^2
Equivalent volume	Vas	12.7	ltrs
Sensitivity (2.83V/1m)		86.5	dB
Ratio BL/√(Re)		5	
Ratio fs/Qts	F	117	

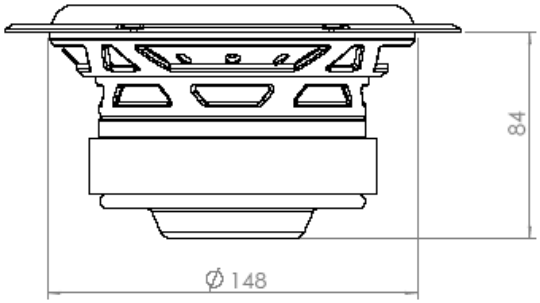
Power handling		
100h RMS noise test (IEC)	150	W
Long-term Max Power (IEC 18.3)	50	W
Max linear SPL (rms) @ power	--	dB/W
Short Term Max power (IEC 18.2)	--	W
Voice Coil and Magnet Parameters		
Voice coil diameter	39	mm
Voice coil height	24	mm
Voice coil layers	4	
Height of the gap	8	mm
Linear excursion +/-	8	mm
Max mech. excursion +/-	--	mm
Flux density of gap	--	mWb
Total useful flux	1.3	mWb
Diameter of magnet	115	mm
Height of magnet	22	mm
Weight of magnet	0.84	Kg

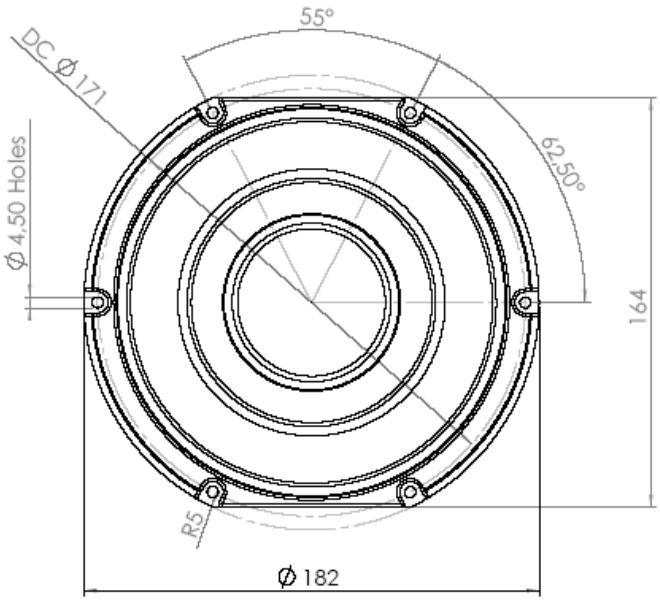
Notes:
IEC specs refer to IEC 60268-5 third edition.
All Tymphany products are RoHS compliant.

Frequency:



Mechanical Dimensions:





Drawing Dimensions
Outside Diameter
Flange Thickness
Magnet Diameter
Cutout Diameter
Interior Depth
Hole Diameter
Screw Circle Diameter