

SLS 5¼" Subwoofer



Type Number: 830945

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.

See architecture notes for [SLS Platform](#)

[Go to Architecture Notes](#)



Specs:

Electrical Data

Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	3.3	ohm
Maximum impedance	Zo	25.9	ohm
DC resistance	Re	2.9	ohm
Voice coil inductance	Le	0.8	mH
Capacitor in series with x ohm	Cc	--	uF

T-S Parameters

Resonance Frequency	fs	47.4	Hz
Mechanical Q factor	Qms	2.5	
Electrical Q factor	Qes	0.32	
Total Q factor	Qts	0.28	
Force factor	Bl	6.3	Tm
Mechanical resistance	Rms	1.75	Kg/s
Moving mass	Mms	14.7	g
Suspension compliance	Cms	0.77	mm/N
Effective cone diameter	D	10.4	cm
Effective piston area	Sd	85	cm ²
Equivalent volume	Vas	7.7	ltrs
Sensitivity (2.83V/1m)		87.8	dB
Ratio BL/√(Re)		3.7	
Ratio fs/Qts	F	168	

Power handling

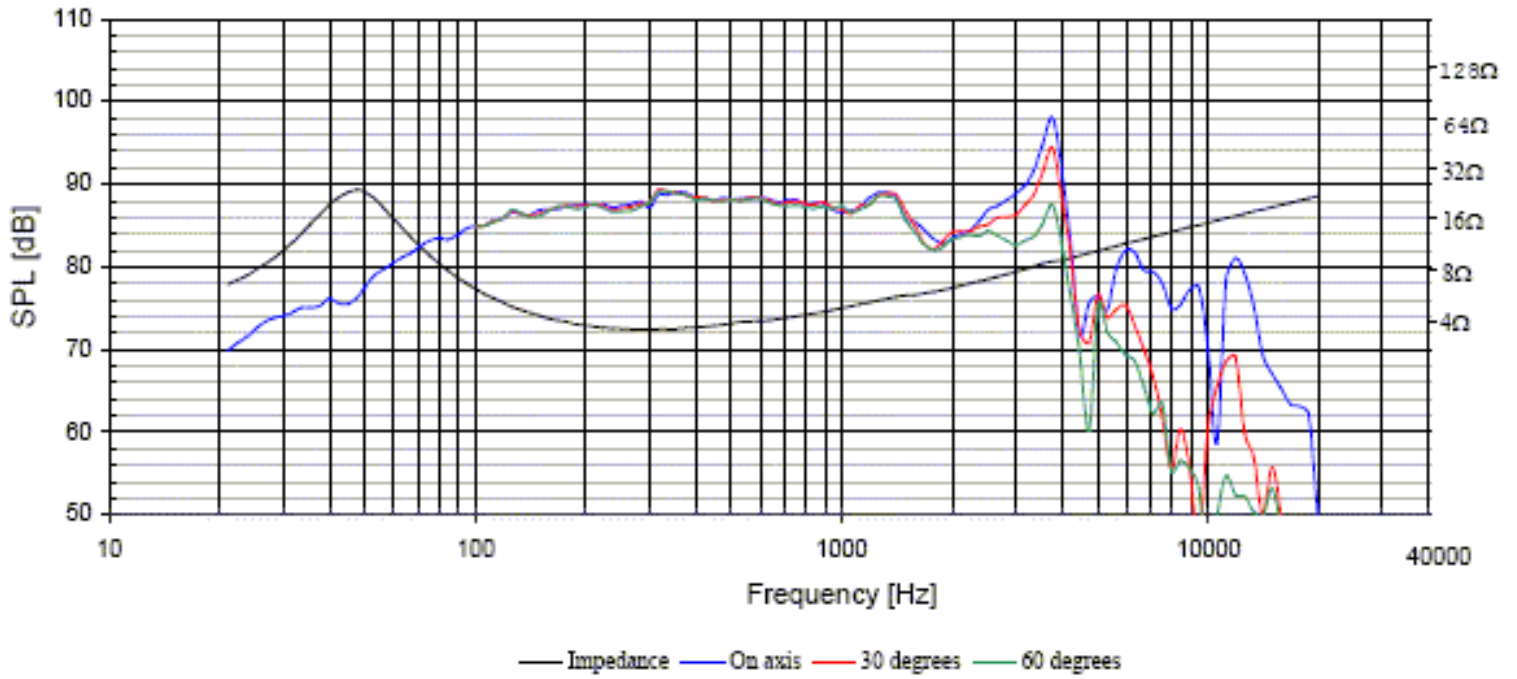
100h RMS noise test (IEC)	80	W
Long-term Max Power (IEC 18.3)	150	W
Max linear SPL (rms) @ power	--	dB/W
Short Term Max power (IEC 18.2)	--	W

Voice Coil and Magnet Parameters

Voice coil diameter	33	mm
Voice coil height	16	mm
Voice coil layers	4	
Height of the gap	6	mm
Linear excursion +/-	5	mm
Max mech. excursion +/-	--	mm
Flux density of gap	--	mWb
Total useful flux	1	mWb
Diameter of magnet	102	mm
Height of magnet	20	mm
Weight of magnet	0.64	Kg

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

Frequency: 830945



Mechanical Dimensions:830945

