

# PL 6½" Woofer



Type Number: PL18WO09-04

#### Features:

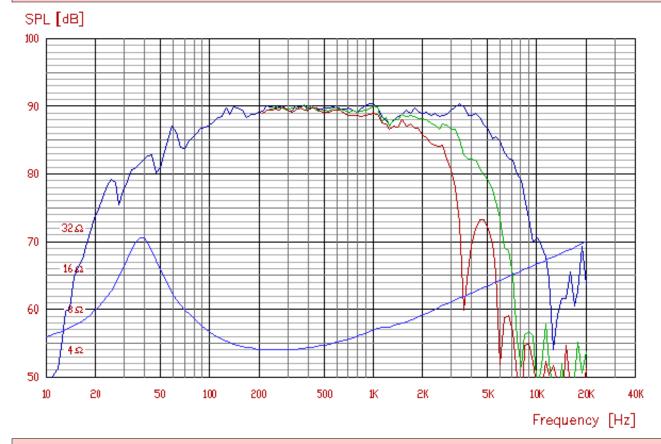
The PL series is designed for the discerning audiophile customer. To meet the needs of this audience, several new technologies were developed with the goal of lowering distortion and damping in the speaker. The coated paper cone reduces vibration and standing waves, and the vented motor system minimizes power compression. The combined result is a very open and dynamic sound.

Driver Highlights: Magnesium Chassis, NRSC cone, NR rubber surround

# Specs:

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Electrical Data				Power handling		
Nominal impedance	Zn	4	ohm	100h RMS noise test (IEC)		W
Minimum impedance	Zmin		ohm	Long-term Max Power (IEC 18.3)	300	W
Maximum impedance	Zo	29	ohm	Max linear SPL (rms) @ power		dB/W
DC resistance	Re	3	ohm	Short Term Max power (IEC 18.2)	400	W
Voice coil inductance	Le	0.56	mΗ	Voice Coil and Magnet Parameters		
T-S Parameters				Voice coil diameter	40	mm
Resonance Frequency	fs	37	Hz	Voice coil height	14	mm
Mechanical Q factor	Qms	2.53		Voice coil layers		
Electrical Q factor	Qes	0.33		Height of the gap	6	mm
Total Q factor	Qts	0.29		Linear excursion +/-		mm
Force factor	BI	6.3	Tm	Max mech. excursion +/-		mm
Mechanical resistance	Rms	1.75	Kg/s	Flux density of gap		mWb
Moving mass	Mms	18.5	g	Total useful flux		mWb
Suspension compliance	Cms	1.02	mm/N	Diameter of magnet		mm
Effective cone diameter	D		cm	Height of magnet		mm
Effective piston area	Sd	132	cm <sup>2</sup>	Weight of magnet	0.7	Kg
Equivalent volume	Vas	25	ltrs			
Sensitivity (2.83V/1m)		89	dB			
Ratio BL/√(Re)		3.64		Notes:		
Ratio fs/Qts	F	128		IEC specs refer to IEC 60268-5 third edition. All Tymphany products are RoHS compliant.		

## Frequency: PL18WO09-04



### Mechanical Dimensions:PL18WO09-04

