TYMPHANY

New
1″ Tweeter

SCANSPEAK

Type Number: D3004/660000

Features:

The new D3004/660000 builds on the experience of the one-inch R29 ring radiator, resulting in low resonance frequency, but further provides the extended dispersion characteristics of a ¾-inch dome. Tymphany's unique AirCirc Magnet System -- named for the way it optimizes air flow within the chamber – rearranges the traditional magnet structure from a single magnet to an open magnetic circuit comprised of six separate neodymium slugs. This, in combination with the chamber, results in the elimination of the reflections and resonances that compromise the performance of traditional motors. The D3004/660000 gives engineers improved control over critical midrange performance, for superb vocal rendition and excellent imaging at all listening locations.

Driver Highlights: 1" soft dome, AirCirc Magnet System, aluminum faceplate

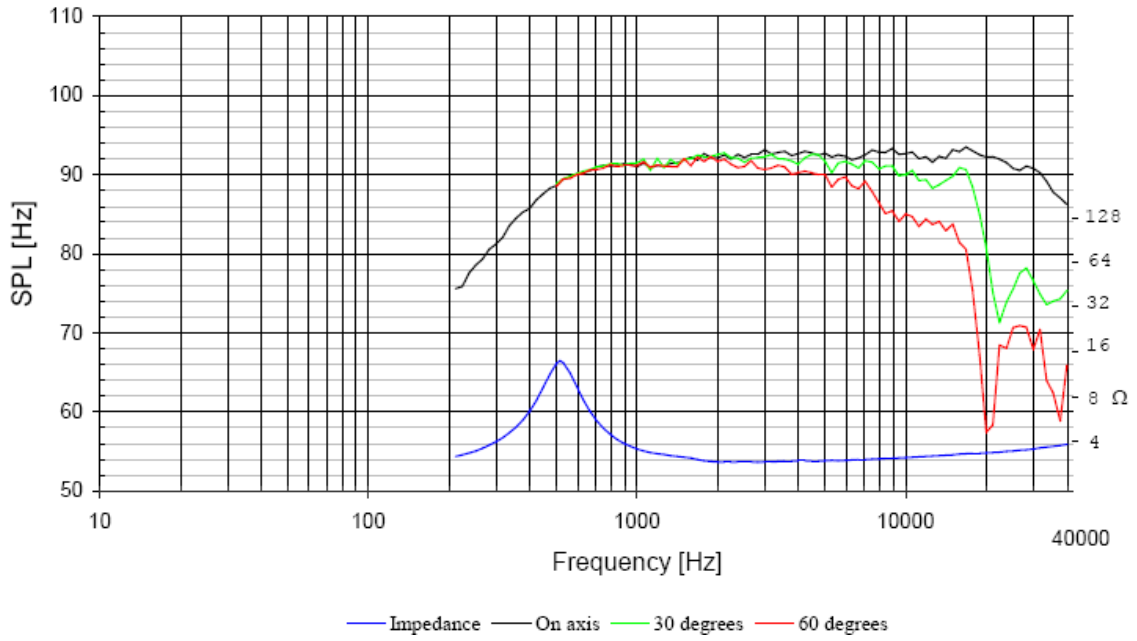
Specs:

Electrical Data			
Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	9	ohm
Maximum impedance	Zo	18.6	ohm
DC resistance	Re	3	ohm
Voice coil inductance	Le	0.03	mH
T-S Parameters			
Resonance Frequency	fs	500	Hz
Mechanical Q factor	Qms	--	
Electrical Q factor	Qes	--	
Total Q factor	Qts	--	
Force factor	Bl	2.3	Tm
Mechanical resistance	Rms	--	Kg/s
Moving mass	Mms	0.35	g
Suspension compliance	Cms	0.29	mm/N
Effective cone diameter	D	--	cm
Effective piston area	Sd	7	cm^2
Equivalent volume	Vas	--	ltrs
Sensitivity (2.83V/1m)		91.6	dB

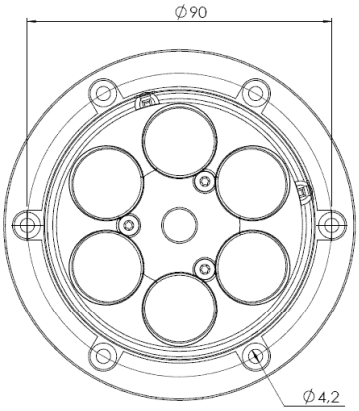
Power handling		
100h RMS noise test (IEC)	90	W
Long-term Max Power (IEC 18.3)	--	W
Short Term Max power (IEC 18.2)	--	W
Voice Coil and Magnet Parameters		
Voice coil diameter	26	mm
Voice coil height	2.1	mm
Voice coil layers	2	
Height of the gap	2.5	mm
Linear excursion +/-	0.2	mm
Max mech. excursion +/-	1.6	mm
Flux density of gap	--	mWb
Total useful flux	--	mWb
Diameter of magnet	--	mm
Height of magnet	--	mm
Weight of magnet	0.3	Kg

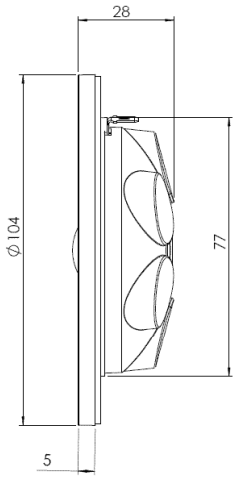
Notes:
IEC specs refer to IEC 60268-5 third edition.
All Tymphany products are RoHS compliant.

Frequency:



Mechanical Dimensions:





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