

Type Number: 10F/4424G00

Features:

The Discovery 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 fiberglass 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: Aluminium Chassis, Fiber Glass cone, NR rubber surround, Neodymium Magnet



Specs:

**Electrical Data**

Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	3,8 / 596	ohm
Maximum impedance	Zo	31	ohm
DC resistance	Re	3,2	ohm
Voice coil inductance	Le	0,1	mH

**Power Handling**

100h RMS noise test (IEC)	15,0	W
Long-term Max Power (IEC18.3)	30,0	W
Max linear SPL (rms) @ power		dB/W
Short-term Max Power (IEC18.2)		W

**T-S Parameters**

Resonance Frequency	fs	90	Hz
Mechanical Q factor	Qms	3,21	
Electrical Q factor	Qes	0,32	
Total Q factor	Qts	0,30	
Force factor	Bl	3,92	Tm
Mechanical resistance	Rms	0,49	Kg/s
Moving mass	Mms	2,78	g
Suspension compliance	Cms	1,12	mm/N
Effective cone diameter	D	6,8	cm
Effective piston area	Sd	36,00	cm <sup>2</sup>
Equivalent volume	Vas	2,06	ltrs
Sensitivity (2.83V/1m)		89,76	dB

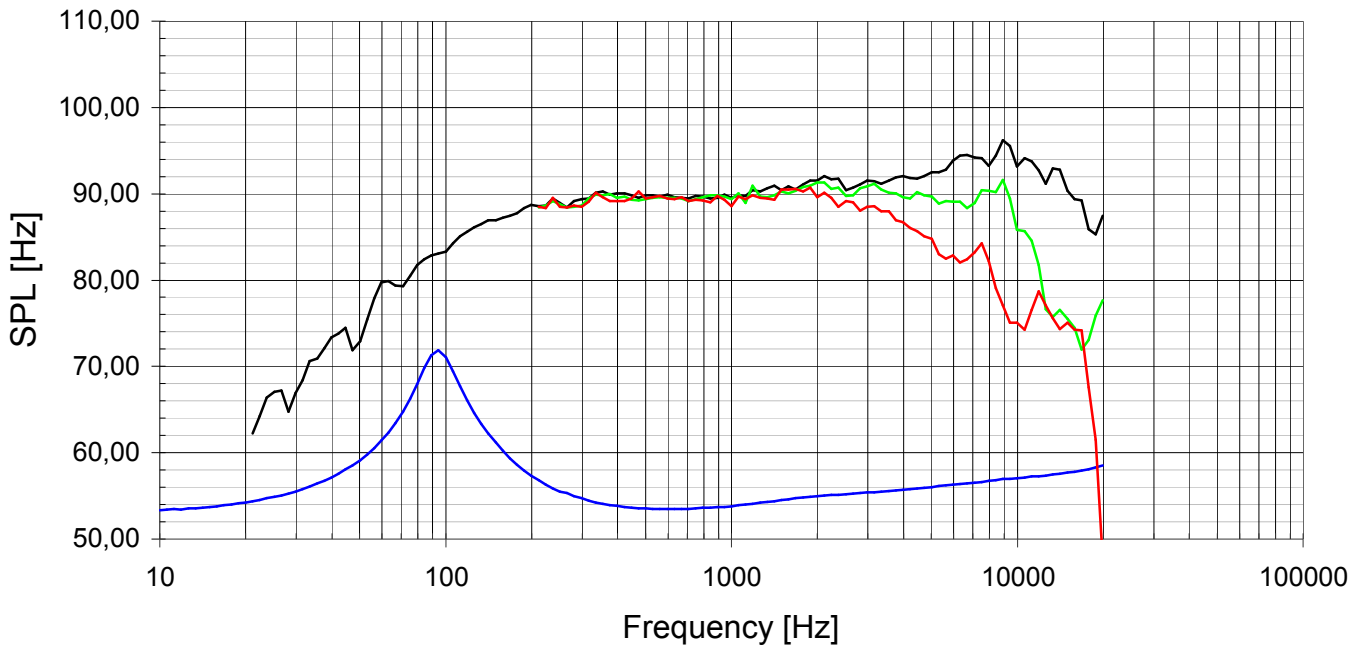
**Voice Coil and Magnet Parametres**

Voice coil diameter	20,0	mm
Voice coil height	9,2	mm
Voice coil layers	2,0	
Height of gap	4,0	mm
Linear excursion +/-	2,6	mm
Max mech. Excursion +/-	7,0	mm
Flux density of gap		mWb
Total useful flux		mWb
Diameter of magnet	58,0	mm
Height of magnet	6,0	mm
Weight of magnet	0,10	Kg
Unit net weight	0,3	Kg

**Notes:**

IEC Specs refer to IEC 60268,5 third sdition.  
All Scan Speak products are RoHS compliant

Frequency:



Mechanical Dimensions:

