DISCOVERY
18cm Midwoofer

SCANSPEAK

Type Number: 18W/4434G00

Features:

The GF 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.

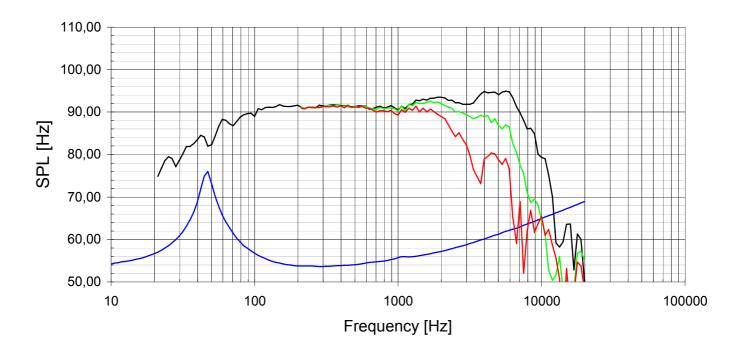Driver Highlights: Aluminium Chassis, Fiber Glass cone, NR rubber surround, Vented below Spider

Specs:

Electrical Data

Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	3,9 / 282	ohm
Maximum impedance	Zo	50,7	ohm
DC resistance	Re	3,0	ohm
Voice coil inductance	Le	0,39	mH

T-S Parameters

Resonance Frequency	fs	47,26	Hz
Mechanical Q factor	Qms	7,81	
Electrical Q factor	Qes	0,37	
Total Q factor	Qts	0,35	
Force factor	Bl	6,02	Tm
Mechanical resistance	Rms	0,57	Kg/s
Moving mass	Mms	14,41	g
Suspension compliance	Cms	0,79	mm/N
Effective cone diameter	D		cm
Effective piston area	Sd	137	cm2
Equivalent volume	Vas	20,86	ltrs
Sensitivity (2.83V/1m)		91,3	dB

Power Handling

100h RMS noice test (IEC)	55,0	W
Long-term Max Power (IEC18.3)	170,0	W
Max linear SPL (rms) @ power		dB/W
Short-term Max Power (IEC18.2)		W

Voice Coil and Magnet Parametres

Voice coil diameter	32,0	mm
Voice coil height	13,6	mm
Voice coil layers	2,0	
Height of gap	5,0	mm
Linear excursion +/-	4,3	mm
Max mech. Excursion +/-	8,0	mm
Flux density of gap		mWb
Total useful flux		mWb
Diameter of magnet	90,0	mm
Height of magnet	17,0	mm
Weight of magnet	0,42	Kg
Unit net weight	1,3	Kg

Notes:

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

Frequency:

Mechanical Dimensions:

Updated 2009.12.14