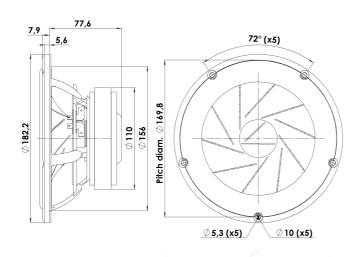




MIDWOOFER

18W/4531G00

The Revelator midrange and midwoofers, both well known for their sliced paper cone technology. The slices are filled with damping glue, which dramatically reduces break-up modes in the diaphragm. In combination with Scan-Speaks low-loss linear suspension and the patented Symmetrical Drive (SD-1) it represented a breakthrough in midrange clarity and overall smooth frequency response characteristics.





KEY FEATURES:

- Patented Symmetrical Drive Motor Design
- · Low-Loss linear suspension
- · Die cast Alu Chassis vented below spider
- Sliced Cone (Controls Cone Breakups)
- Low Damping SBR Rubber Surround
- Large Ferrite Magnet System

T-S Parameters

Resonance frequency [fs]	33 Hz
Mechanical Q factor [Qms]	5.20
Electrical Q factor [Qes]	0.38
Total Q factor [Qts]	0.35
Force factor [BI]	5.7 Tm
Mechanical resistance [Rms]	0.70 kg/s
Moving mass [Mms]	17.5 g
Suspension compliance [Cms]	1.33 mm/N
Effective diaph. diameter [D]	138 mm
Effective piston area [Sd]	150 cm ²
Equivalent volume [Vas]	41.9
Sensitivity (2.83V/1m)	90 dB
/-	
Ratio BI/√Re	3.09 N/√W
Ratio BI/VRe Ratio fs/Qts	3.09 N/√W 93 Hz

Notes:

IEC specs. refer to IEC 60268-5 third edition. All Scan-Speak products are RoHS compliant. Data are subject to change without notice. Datasheet updated: February 22, 2011.

Electrical Data

Unit weight

4 Ω
4.2 Ω
49.9 Ω
3.4 Ω
0.3 mH
70 W
- W
38 mm
17.5 mm
2
5 mm
± 6.5 mm
± 11 mm

1.7 kg

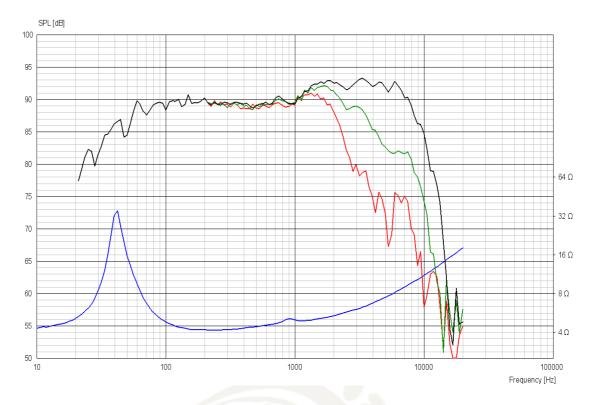




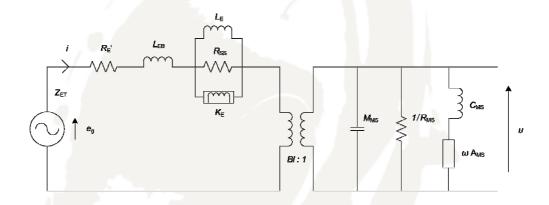


MIDWOOFER

18W/4531G00



Advanced Parameters (Preliminary)



Electrical data:

Resistance [Re']	3.70 Ω
Free inductance [Leb]	0.0885 mH
Bound inductance [Le]	0.631 mH
Semi-inductance [Ke]	0.0176 SH
Shunt resistance [Rss]	2289 Ω

Mechanical Data

Force Factor [BI]	5.02 Tm
Moving mass [Mms]	19.1 g
Compliance [Cms]	0.926 mm/N
Mechanical resistance [Rms]	0.036 kg/s
Admittance [Ams]	0.119 mm/N

