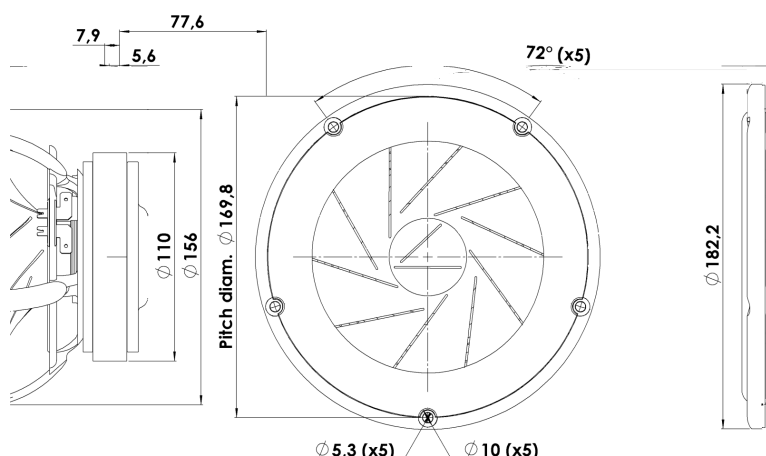


REVELATOR

MIDWOOFER

18W/4531G01

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
- Wood Fibre Cone
- Low Damping SBR Rubber Surround
- Sliced Cone (Controls Cone Breakups)
- Low-Loss linear suspension
- Large Ferrite Magnet System

T-S Parameters

| | |
|-------------------------------|---------------------|
| Resonance frequency [fs] | 34 Hz |
| Mechanical Q factor [Qms] | 4.90 |
| Electrical Q factor [Qes] | 0.38 |
| Total Q factor [Qts] | 0.35 |
| Force factor [Bl] | 5.7 Tm |
| Mechanical resistance [Rms] | 0.74 kg/s |
| Moving mass [Mms] | 16.9 g |
| Suspension compliance [Cms] | 1.3 mm/N |
| Effective diaph. diameter [D] | 142 mm |
| Effective piston area [Sd] | 157 cm ² |
| Equivalent volume [Vas] | 45.6 l |
| Sensitivity (2.83V/1m) | 89 dB |
| Ratio Bl/√Re | 3.05 N/√W |
| Ratio fs/Qts | 97 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: March 11, 2011.

Electrical Data

| | |
|----------------------------|---------|
| Nominal impedance [Zn] | 4 Ω |
| Minimum impedance [Zmin] | 4.4 Ω |
| Maximum impedance [Zo] | 40.0 Ω |
| DC resistance [Re] | 3.5 Ω |
| Voice coil inductance [Le] | 0.27 mH |

Power Handling

| | |
|--------------------------------|------|
| 100h RMS noise test (IEC 17.1) | 70 W |
| Long-term max power (IEC 17.3) | - W |

Voice Coil and Magnet Data

| | |
|---------------------|----------|
| Voice coil diameter | 38 mm |
| Voice coil height | 18 mm |
| Voice coil layers | 2 |
| Height of gap | 5 mm |
| Linear excursion | ± 6.5 mm |
| Max mech. excursion | ± 11 mm |
| Unit weight | 1.7 kg |



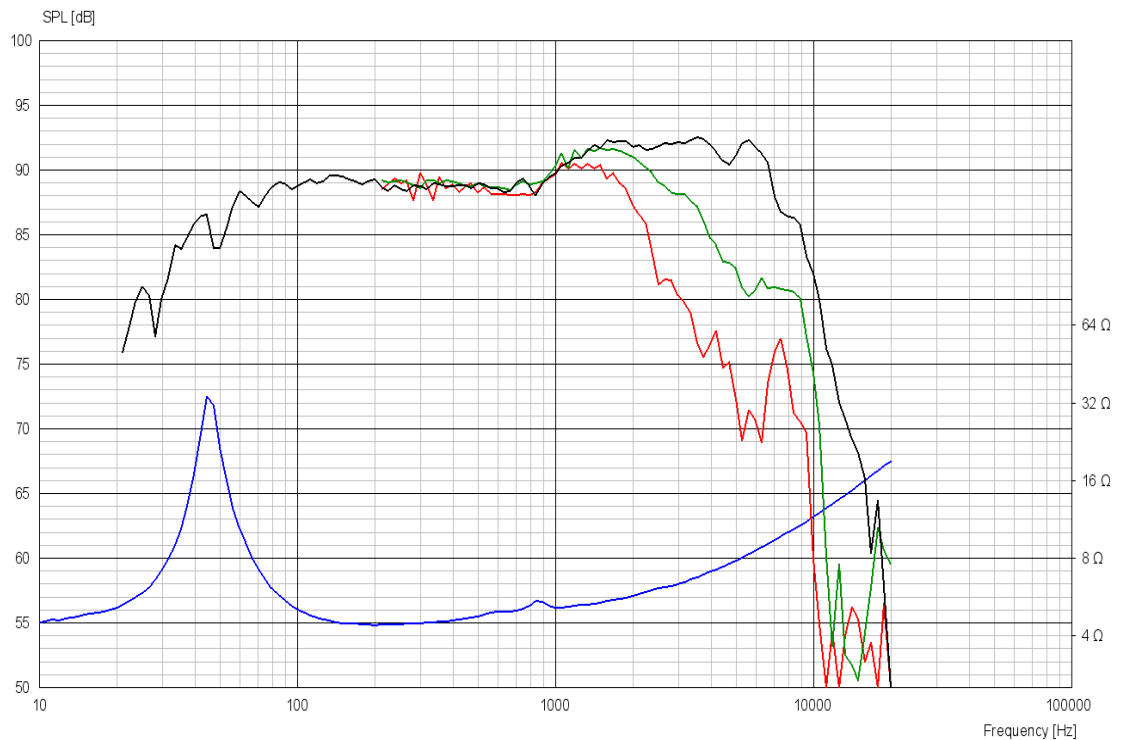
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Advanced Parameters (Preliminary)

