The Revelator woofers and subwoofers features very rigid cones in paper or aluminium that operates as a piston over a wide frequency range, in combination with Scan-Speaks low-loss linear suspension and the patented Symmetrical Drive (SD-1) it results in very low distortion and a smooth and well behaved frequency response as well as perfect transient reproduction.

**KEY FEATURES:**
- Patented Symmetrical Drive Motor Design
- Low-Loss linear suspension
- Die cast Alu Chassis vented below spider
- Rigid Black Anodized Alu Cone
- Low Damping SBR Rubber Surround
- Ferrite Magnet System w. Rubber Boot

**T-S Parameters**
- Resonance frequency \([f_s]\) 23 Hz
- Mechanical Q factor \([Q_{ms}]\) 4.90
- Electrical Q factor \([Q_{es}]\) 0.32
- Total Q factor \([Q_{ts}]\) 0.30
- Force factor \([Bl]\) 10.1 Tm
- Mechanical resistance \([Rms]\) 1.09 kg/s
- Moving mass \([Mms]\) 37 g
- Suspension compliance \([Cms]\) 1.29 mm/N
- Effective diaph. diameter \([D]\) 167 mm
- Effective piston area \([S_d]\) 220 cm²
- Equivalent volume \([V_{as}]\) 87.7 l
- Sensitivity \((2.83 V/1m)\) 86 dB
- Ratio \([Bl/vRe]\) 4.06 N/V/W
- Ratio \([fs/Qts]\) 77 Hz

**Electrical Data**
- Nominal impedance \([Z_n]\) 8 Ω
- Minimum impedance \([Z_{min}]\) 7.2 Ω
- Maximum impedance \([Z_o]\) 101 Ω
- DC resistance \([R_e]\) 6.2 Ω
- Voice coil inductance \([L_e]\) 0.35 mH

**Power Handling**
- 100h RMS noise test (IEC 17.1) 170 W
- Long-term max power (IEC 17.3) - W

**Voice Coil and Magnet Data**
- Voice coil diameter 50 mm
- Voice coil height 24 mm
- Voice coil layers 2
- Height of gap 6 mm
- Linear excursion ± 9 mm
- Max mech. excursion ± 14 mm
- Unit weight 3.6 kg

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: May 5, 2011.
Advanced Parameters (Preliminary)

**Electrical data**
- Resistance \([R_{e}']\) \(6.33\ \Omega\)
- Free inductance \([L_{eb}]\) \(0.142\ \text{mH}\)
- Bound inductance \([L_{e}]\) \(4.37\ \text{mH}\)
- Semi-inductance \([K_{e}]\) \(0.0290\ \text{SH}\)
- Shunt resistance \([R_{ss}]\) \(3000\ \Omega\)

**Mechanical data**
- Force Factor \([B_{l}]\) \(8.57\ \text{Tm}\)
- Moving mass \([M_{ms}]\) \(36.3\ \text{g}\)
- Compliance \([C_{ms}]\) \(1.037\ \text{mm/N}\)
- Mechanical resistance \([R_{ms}]\) \(0.362\ \text{kg/s}\)
- Admittance \([A_{ms}]\) \(0.136\ \text{mm/N}\)