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 Paper Cone
- Low Damping SBR Rubber Surround
- Ferrite Magnet System w. Rubber Boot

**T-S Parameters**
- Resonance frequency \([f_s]\) 21 Hz
- Mechanical Q factor \([Q_{ms}]\) 5.20
- Electrical Q factor \([Q_{es}]\) 0.23
- Total Q factor \([Q_{ts}]\) 0.22
- Force factor \([B_I]\) 8.2 Tm
- Mechanical resistance \([R_{ms}]\) 0.81 kg/s
- Moving mass \([M_{ms}]\) 32.5 g
- Suspension compliance \([C_{ms}]\) 1.85 mm/N
- Effective diaph. diameter \([D]\) 167 mm
- Effective piston area \([S_d]\) 220 cm²
- Equivalent volume \([V_{as}]\) 126 l
- Sensitivity (2.83V/1m) 89 dB
- Ratio BS/\(\sqrt{\text{Re}}\) 4.26 N/\(\sqrt{\text{W}}\)
- Ratio \(f_s/Q_{ts}\) 93 Hz

**Electrical Data**
- Nominal impedance \([Z_n]\) 4 Ω
- Minimum impedance \([Z_{min}]\) 4.5 Ω
- Maximum impedance \([Z_o]\) 87.4 Ω
- DC resistance \([R_e]\) 3.7 Ω
- Voice coil inductance \([L_e]\) 0.3 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:**
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Advanced Parameters (Preliminary)

Electrical data:
- Resistance \( [R'] \) : 4.04  Ω
- Free inductance \( [L_{fb}] \) : 0.101  mH
- Bound inductance \( [L_e] \) : 0.473  mH
- Semi-inductance \( [K_e] \) : 0.0227  SH
- Shunt resistance \( [R_{ss}] \) : 2290  Ω

Mechanical Data:
- Force Factor \( [B_l] \) : 7.76  Tm
- Moving mass \( [M_{mm}] \) : 39.0  g
- Compliance \( [C_{ms}] \) : 1.21  mm/N
- Mechanical resistance \( [R_{ms}] \) : 0.100  kg/s
- Admittance \( [A_{ms}] \) : 0.183  mm/N