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<sub>s</sub>] 19 Hz
- Mechanical Q factor [Qms] 4.50
- Electrical Q factor [Qes] 0.31
- Total Q factor [Qts] 0.29
- Force factor [Bl] 11.2 Tm
- Mechanical resistance [Rms] 1.51 kg/s
- Moving mass [Mms] 57 g
- Suspension compliance [Cms] 1.23 mm/N
- Effective diaph. diameter [D] 202 mm
- Effective piston area [Sd] 320 cm²
- Equivalent volume [Vas] 176 l
- Sensitivity (2.83V/1m) 87 dB
- Ratio Bl/√Re 4.65 N/√W
- Ratio fs/Qts 66 Hz

**Electrical Data**
- Nominal impedance [Zn] 8 Ω
- Minimum impedance [Zmin] 6.8 Ω
- Maximum impedance [Zo] 90.0 Ω
- DC resistance [Re] 5.8 Ω
- Voice coil inductance [Le] 0.4 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 3.7 kg

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**Notes:**
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Advanced Parameters (Preliminary)

**Electrical data:**
- Resistance $[R_e']$: 6.32 Ω
- Free inductance $[L_{eb}]$: 0.170 mH
- Bound inductance $[L_e]$: 0.823 mH
- Semi-inductance $[K_e]$: 0.0379 SH
- Shunt resistance $[R_{ss}]$: 2309 Ω

**Mechanical Data:**
- Force Factor $[B_l]$: 9.28 Tm
- Moving mass $[M_{ms}]$: 54.3 g
- Compliance $[C_{ms}]$: 1.12 mm/N
- Mechanical resistance $[R_{ms}]$: 0.086 kg/s
- Admittance $[A_{ms}]$: 0.210 mm/N