The Revelator woofers and subwoofers feature 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 \([f_s]\) 19 Hz
- Mechanical Q factor \([Q_{ms}]\) 5.20
- Electrical Q factor \([Q_{es}]\) 0.33
- Total Q factor \([Q_{ts}]\) 0.31
- Force factor \([B_l]\) 9.9 Tm
- Mechanical resistance \([R_{ms}]\) 1.00 kg/s
- Moving mass \([M_{ms}]\) 43.5 g
- Suspension compliance \([C_{ms}]\) 1.61 mm/N
- Effective diaph. diameter \([D]\) 202 mm
- Effective piston area \([S_d]\) 320 cm²
- Equivalent volume \([V_{as}]\) 231 l
- Sensitivity (2.83V/1m) 88.5 dB
- Ratio \(B_l/V_{Re}\) 3.98 N/V
- Ratio \(f_s/Q_{ts}\) 61 Hz

### Electrical Data
- Nominal impedance \([Z_n]\) 8 Ω
- Minimum impedance \([Z_{min}]\) 7.1 Ω
- Maximum impedance \([Z_o]\) 104 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 3.7 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 \([R']\) = 6.56 \(\Omega\)
- Free inductance \([L_{rb}]\) = 0.148 mH
- Bound inductance \([L_e]\) = 0.795 mH
- Semi-inductance \([K_e]\) = 0.0277 SH
- Shunt resistance \([R_{ss}]\) = 2290 \(\Omega\)

Mechanical Data:
- Force factor \([B_l]\) = 9.25 Tm
- Moving mass \([M_m]\) = 44.7 g
- Compliance \([C_m]\) = 1.27 mm/N
- Mechanical resistance \([R_m]\) = 0.630 kg/s
- Admittance \([A_m]\) = 0.0861 mm/N