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 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
- Long Throw Surround
- Ferrite Magnet System w. Rubber Boot
- Black Anodized Rigid Alu Cone
- Die cast Alu Chassis vented below spider
- Gold Binding Post Terminals

**T-S Parameters**

- Resonance frequency \([f_s]\) 21 Hz
- Mechanical Q factor \([Qms]\) 4.80
- Electrical Q factor \([Qes]\) 0.52
- Total Q factor \([Qts]\) 0.47
- Force factor \([Bl]\) 9.3 Tm
- Mechanical resistance \([Rms]\) 2.71 kg/s
- Moving mass \([Mms]\) 101 g
- Suspension compliance \([Cms]\) 0.60 mm/N
- Effective diaph. diameter \([D]\) 172 mm
- Effective piston area \([Sd]\) 232 cm²
- Equivalent volume \([Vas]\) 45.0 l
- Sensitivity (2.83V/1m) 82 dB
- Ratio \([Bl/vRe]\) 5.01 N/VW
- Ratio \([fs/Qts]\) 44 Hz

**Electrical Data**

- Nominal impedance \([Zn]\) 4 Ω
- Minimum impedance \([Zmin]\) 4.6 Ω
- Maximum impedance \([Zo]\) 35.3 Ω
- DC resistance \([Re]\) 3.45 Ω
- Voice coil inductance \([Le]\) 0.45 mH

**Power Handling**

- 100h RMS noise test (IEC 17.1) 225 W
- Long-term max power (IEC 17.3) - W

**Voice Coil and Magnet Data**

- Voice coil diameter 50 mm
- Voice coil height 34 mm
- Voice coil layers 2
- Height of gap 8 mm
- Linear excursion ± 13 mm
- Max mech. excursion ± 20 mm
- Unit weight 4.6 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: February 24, 2011.
Advanced Parameters (Preliminary)

Electrical data:
- Resistance [Re'] \(4.05 \Omega\)
- Free inductance [Leb] \(0.146 \text{ mH}\)
- Bound inductance [Le] \(0.823 \text{ mH}\)
- Semi-inductance [Ke] \(0.0346 \text{ SH}\)
- Shunt resistance [Rss] \(10126 \Omega\)

Mechanical Data:
- Force Factor [Bl] \(8.30 \text{ Tm}\)
- Moving mass [Mms] \(113 \text{ g}\)
- Compliance [Cms] \(0.395 \text{ mm/N}\)
- Mechanical resistance [Rms] \(1.893 \text{ kg/s}\)
- Admittance [Ams] \(0.00994 \text{ mm/N}\)