The Discovery series offer traditional design, superior sound, a solid construction, and a wide range of variants. Combining these elements - plus a wealth of technical features and finesses - it gives our customers the possibility of acquiring a tailor-made Scan-Speak solution with very good performance at a reasonable low price point!

**KEY FEATURES:**

- Black Anodized Alu Cone
- Magnet System w. Alu Ring
- Low Resonance Freq. 23Hz
- Coated Fibre Glass Dust Cap
- Die cast Alu Chassis vented below spider

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**Electrical Data**

- Nominal impedance \([Z_n]\) 4 Ω
- Minimum impedance \([Z_{min}]\) 4.5 Ω
- Maximum impedance \([Z_0]\) 87.2 Ω
- DC resistance \([R_{dc}]\) 3.8 Ω
- Voice coil inductance \([L_c]\) 0.70 mH

**Power Handling**

- 100h RMS noise test (IEC 17.1) 90 W
- Long-term max power (IEC 17.3) 175 W

**Voice Coil and Magnet Data**

- Voice coil diameter 38 mm
- Voice coil height 18 mm
- Voice coil layers 2
- Height of gap 6 mm
- Linear excursion ± 6 mm
- Max mech. excursion ± 12 mm
- Unit weight 2.9 kg

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**T-S Parameters**

- Resonance frequency \([f_s]\) 23 Hz
- Mechanical Q factor \([Q_{ms}]\) 9.57
- Electrical Q factor \([Q_{es}]\) 0.37
- Total Q factor \([Q_{ts}]\) 0.36
- Force factor \([B_l]\) 8.8 Tm
- Mechanical resistance \([R_{ms}]\) 0.80 kg/s
- Moving mass \([M_{ms}]\) 52 g
- Suspension compliance \([C_{ms}]\) 0.92 mm/N
- Effective diaph. diameter \([D]\) 211 mm
- Effective piston area \([S_d]\) 350 cm²
- Equivalent volume \([V_{as}]\) 156 l
- Sensitivity (2.83V/1m) 90.5 dB
- Ratio \(B_l/V/Re\) 4.51 N/V/W
- Ratio \(f_s/Q_{ts}\) 63.9 Hz

**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: April 14, 2011
**Advanced Parameters (Preliminary)**

**Electrical data**
- Resistance \([R_e']\) \(4.17 \Omega\)
- Free inductance \([L_{eb}]\) \(0.0227 \text{ mH}\)
- Bound inductance \([L_e]\) \(0.923 \text{ mH}\)
- Semi-inductance \([K_e]\) \(0.132 \text{ SH}\)
- Shunt resistance \([R_{ss}]\) \(2500 \Omega\)

**Mechanical Data**
- Force Factor \([B_l]\) \(8.09 \text{ Tm}\)
- Moving mass \([M_{ms}]\) \(51.50 \text{ g}\)
- Compliance \([C_{ms}]\) \(1.05 \text{ mm/N}\)
- Mechanical resistance \([R_{ms}]\) \(0.065 \text{ kg/s}\)
- Admittance \([A_{ms}]\) \(0.0997 \text{ mm/N}\)