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 finesse - 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:**
- High Output 89dB @ 2.83V
- Magnet System w. Alu Ring
- Die cast Alu Chassis vented below spider
- Coated NRSC Fibre Glass Cone
- Low Damping SBR Rubber Surround

**Electrical Data**
- Nominal impedance [Zn] 8 Ω
- Minimum impedance [Zmin] 6.7 Ω
- Maximum impedance [Zo] 97.9 Ω
- DC resistance [Re] 5.6 Ω
- Voice coil inductance [Le] 0.55 mH

**Power Handling**
- 100h RMS noise test (IEC 17.1) 55 W
- Long-term max power (IEC 17.3) 170 W

**Voice Coil and Magnet Data**
- Voice coil diameter 32 mm
- Voice coil height 13.4 mm
- Voice coil layers 2
- Height of gap 5 mm
- Linear excursion ± 4.2 mm
- Max mech. excursion ± 8 mm
- Unit weight 1.3 kg

**T-S Parameters**
- Resonance frequency [fs] 50 Hz
- Mechanical Q factor [Qms] 7.58
- Electrical Q factor [Qes] 0.46
- Total Q factor [Qts] 0.43
- Force factor [Bl] 7.2 Tm
- Mechanical resistance [Rms] 0.57 kg/s
- Moving mass [Mms] 13.7 g
- Suspension compliance [Cms] 0.74 mm/N
- Effective diaph. diameter [D] 132 mm
- Effective piston area [Sd] 137 cm²
- Equivalent volume [Vas] 19.5 l
- Sensitivity (2.83V/1m) 88.7 dB
- Ratio Bl/√Re 3.05 N/V/W
- Ratio fs/√Qts 115 Hz

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

Electrical data:
- Resistance \([R_e']\): 5.83 \(\Omega\)
- Free inductance \([L_{eb}]\): 0.0968 mH
- Bound inductance \([L_e]\): 0.7944 mH
- Semi-inductance \([K_e]\): 0.0669 SH
- Shunt resistance \([R_{ss}]\): 2289 \(\Omega\)

Mechanical Data:
- Force Factor \([B_l]\): 6.75 Tm
- Moving mass \([M_{ms}]\): 13.7 g
- Compliance \([C_{ms}]\): 0.882 mm/N
- Mechanical resistance \([R_{ms}]\): 0.180 kg/s
- Admittance \([A_{ms}]\): 0.0920 mm/N