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:**
- High Output 89dB @ 2.83V
- Coated NRSC Fibre Glass Cone
- Low Damping SBR Rubber Surround
- Low Resonance Freq. 30Hz
- Magnet System w. Alu Ring
- Die cast Alu Chassis vented below spider

**T-S Parameters**
- Resonance frequency \([f_s]\) 30 Hz
- Mechanical Q factor \([Q_{ms}]\) 4.14
- Electrical Q factor \([Q_{es}]\) 0.43
- Total Q factor \([Q_{ts}]\) 0.39
- Force factor \([B_l]\) 7.8 Tm
- Mechanical resistance \([R_{ms}]\) 1.05 kg/s
- Moving mass \([M_{ms}]\) 23.1 g
- Suspension compliance \([C_{ms}]\) 1.22 mm/N
- Effective diaph. diameter \([D]\) 173 mm
- Effective piston area \([S_d]\) 235 cm²
- Equivalent volume \([V_{as}]\) 94.2 l
- Sensitivity (2.83V/1m) 88.8 dB
- Ratio \([B_l/v_{Re}]\) 3.21 N/V
- Ratio \([f_s/Q_{ts}]\) 77 Hz

**Electrical Data**
- Nominal impedance \([Z_n]\) 8 Ω
- Minimum impedance \([Z_{min}]\) 6.8 Ω
- Maximum impedance \([Z_o]\) 62.7 Ω
- DC resistance \([R_e]\) 5.9 Ω
- Voice coil inductance \([L_e]\) 0.56 mH

**Power Handling**
- 100h RMS noise test (IEC 17.1) 70 W
- Long-term max power (IEC 17.3) 120 W

**Voice Coil and Magnet Data**
- Voice coil diameter 38 mm
- Voice coil height 17.5 mm
- Voice coil layers 2
- Height of gap 6 mm
- Linear excursion ± 5.8 mm
- Max mech. excursion ± 12 mm
- Unit weight 2.1 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 22, 2011.
Advanced Parameters (Preliminary)

Electrical data:
- Resistance [$\text{Re}'$] - Ω
- Free inductance [$\text{Leb}$] - mH
- Bound inductance [$\text{Le}$] - mH
- Semi-inductance [$\text{Ke}$] - SH
- Shunt resistance [$\text{Rss}$] - Ω

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