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 sensitivity - 94dB
- Low Resonance Frequency - 475Hz
- Wide Dispersion
- Extended Frequency to Above 40KHz
- Low Distortion
- Textile Diaphragm, wide Surround

**T-S Parameters**
- Resonance frequency [fs] 475 Hz
- Mechanical Q factor [Qms] 2.55
- Electrical Q factor [Qes] 0.71
- Total Q factor [Qts] 0.55
- Force factor [Bl] 2.2 Tm
- Mechanical resistance [Rms] 0.49 kg/s
- Moving mass [Mms] 0.42 g
- Suspension compliance [Cms] 0.27 mm/N
- Effective diaph. diameter [D] 32 mm
- Effective piston area [Sd] 8 cm²
- Equivalent volume [Vas] 0.02 l
- Sensitivity (2.83V/1m) 94.1 dB
- Ratio Bl/√Re 1.31 N/√W
- Ratio fs/Qts 857 Hz

**Electrical Data**
- Nominal impedance [Zn] 4 Ω
- Minimum impedance [Zmin] 3.8 Ω
- Maximum impedance [Zo] 12.9 Ω
- DC resistance [Re] 2.8 Ω
- Voice coil inductance [Le] 0.04 mH

**Power Handling**
- 100h RMS noise test (IEC 17.1)* 100 W
- Long-term max power (IEC 17.3)* - W
*Filter: 2. order HP Butterworth, 2.5 kHz

**Voice Coil and Magnet Data**
- Voice coil diameter 26 mm
- Voice coil height 2 mm
- Voice coil layers 2
- Height of gap 2.5 mm
- Linear excursion ± 0.3 mm
- Max mech. excursion ± 1.6 mm
- Unit weight 0.8 kg
Advanced Parameters (Preliminary)

**Electrical data:**
- Resistance [Re'] - \( \Omega \)
- Free inductance [Leb] - mH
- Bound inductance [Le] - mH
- Semi-inductance [Ke] - SH
- Shunt resistance [Rss] - \( \Omega \)

**Mechanical Data:**
- Force Factor [Bl] - Tm
- Moving mass [Mms] - g
- Compliance [Cms] - mm/N
- Mechanical resistance [Rms] - kg/s
- Admittance [Ams] - mm/N