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:

- 56mm Peak Excursion, 25mm Linear
- Low Resonance Freq. 17Hz
- Magnet System w. Alu Ring
- High Output 89dB @ 2,83V
- Anodized Alu Cone, Fibre Glass Dust Cap
- Die cast Alu Chassis vented below spider

T-S Parameters

- Resonance frequency \([fs]\) 17 Hz
- Mechanical Q factor \([Qms]\) 5.01
- Electrical Q factor \([Qes]\) 0.34
- Total Q factor \([Qts]\) 0.32
- Force factor \([Bl]\) 10.5 Tm
- Mechanical resistance \([Rms]\) 2.88 kg/s

Moving mass \([Mms]\) 135 g

Compliance \([Cms]\) 0.65 mm/N

Effective diaph. diameter \([D]\) 244 mm

Effective piston area \([Sd]\) 466 cm²

Equivalent volume \([Vas]\) 197 l

Sensitivity (2.83V/1m) 89 dB

Ratio \(Bl/vRe\) 6.51 N/\(\sqrt{W}\)

Ratio \(fs/Qts\) 53 Hz

Electrical Data

- Nominal impedance \([Zn]\) 4 Ω
- Minimum impedance \([Zmin]\) 3.3 Ω
- Maximum impedance \([Zo]\) 40.9 Ω
- DC resistance \([Re]\) 2.6 Ω
- Voice coil inductance \([Le]\) 0.83 mH

Power Handling

- 100h RMS noise test (IEC 17.1) 150 W
- Long-term max power (IEC 17.3) 350 W

Voice Coil & Magnet Data

- Voice coil diameter 51 mm
- Voice coil height 33 mm
- Voice coil layers 4
- Height of gap 8 mm
- Linear excursion ± 12.5 mm
- Max mech. excursion ± 28 mm
- Unit weight 6.3 kg

Notes:

IEC specs. refer to IEC 60268-3 third edition. All Scan-Speak products are RoHS compliant. Data are subject to change without notice. Datasheet updated: January 30, 2013.
SUBWOOFER

30W/4558T00

Advanced Parameters (Preliminary)

Electrical data
- Resistance $[R_e']$ 2.72 Ω
- Free inductance $[L_{eb}]$ 0.280 mH
- Bound inductance $[L_e]$ 1.96 mH
- Semi-inductance $[K_e]$ 0.054 SH
- Shunt resistance $[R_{ss}]$ 260 Ω

Mechanical Data
- Force Factor $[B_l]$ 10.37 Tm
- Moving mass $[M_{ms}]$ 129.3 g
- Compliance $[C_{ms}]$ 0.68 mm/N
- Mechanical resistance $[R_{ms}]$ 1.80 kg/s
- Admittance $[A_{ms}]$ 0.07 mm/N

N.C. Madsensvej 1 · 6920 Videbæk · Denmark · Phone: +45 6040 5200 · www.scan-speak.dk