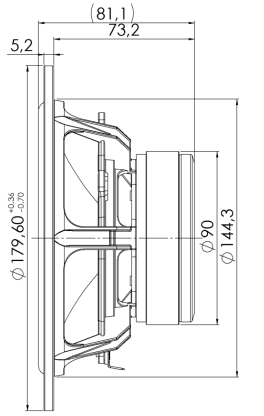
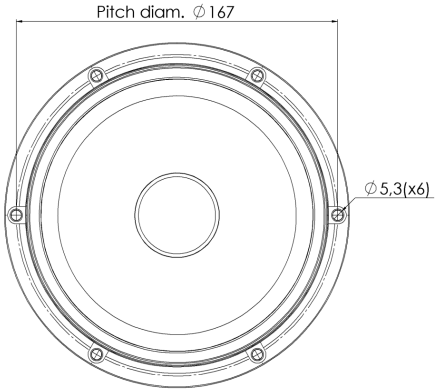


# DISCOVERY

## MIDWOOFER 18W/4434G00

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 91dB @ 2,83V
- Magnet System w. Alu Ring
- Die cast Alu Chassis vented below spider
- Coated NRSC Fibre Glass Cone
- Low Damping SBR Rubber Surround

| T-S Parameters | |
|---|---|
| Resonance frequency [fs] | 47 Hz |
| Mechanical Q factor [Qms] | 7.81 |
| Electrical Q factor [Qes] | 0.37 |
| Total Q factor [Qts] | 0.35 |
| Force factor [Bl] | 6.0 Tm |
| Mechanical resistance [Rms] | 0.55 kg/s |
| Moving mass [Mms] | 14.41 g |
| Suspension compliance [Cms] | 0.79 mm/N |
| Effective diaph. diameter [D] | 132 mm |
| Effective piston area [Sd] | 137 cm² |
| Equivalent volume [Vas] | 20.7 l |
| Sensitivity (2.83V/1m) | 91.3 dB |
| Ratio Bl/√Re | 3.48 N/√W |
| Ratio fs/Qts | 134 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: February 22, 2011.

| Electrical Data | |
|---|---|
| Nominal impedance [Zn] | 4 Ω |
| Minimum impedance [Zmin] | 3.9 Ω |
| Maximum impedance [Zo] | 66.3 Ω |
| DC resistance [Re] | 3 Ω |
| Voice coil inductance [Le] | 0.39 mH |

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

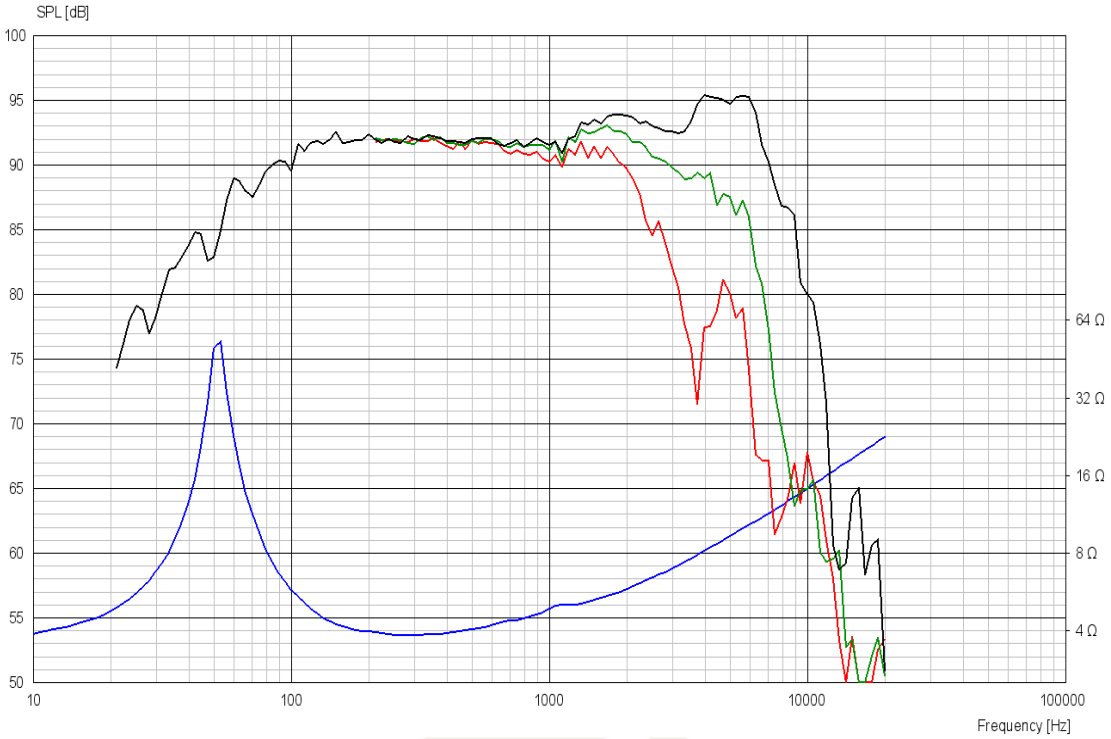
| Voice Coil and Magnet Data | |
|---|---|
| Voice coil diameter | 32 mm |
| Voice coil height | 13.6 mm |
| Voice coil layers | 2 |
| Height of gap | 5 mm |
| Linear excursion | ± 4.3 mm |
| Max mech. excursion | ± 8 mm |
| Unit weight | 1.3 kg |

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



DISCOVERY

# MIDWOOFER 18W/4434G00




## Advanced Parameters (Preliminary)

