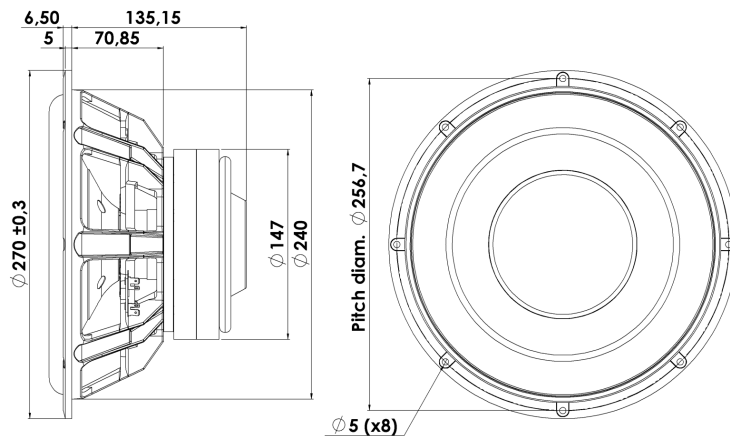




## SUBWOOFER

## 26W/4558T00

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. 21Hz
- Magnet System w. Alu Ring
- High Output 88dB @ 2,83V
- Anodized Alu Cone, Fibre Glass Dust Cap
- Die cast Alu Chassis vented below spider

#### T-S Parameters

Resonance frequency [fs]	21 Hz
Mechanical Q factor [Qms]	5.56
Electrical Q factor [Qes]	0.33
Total Q factor [Qts]	0.31
Force factor [Bl]	10.5 Tm
Mechanical resistance [Rms]	2.49 kg/s
Moving mass [Mms]	105 g
Suspension compliance [Cms]	0.55 mm/N
Effective diaph. diameter [D]	212 mm
Effective piston area [Sd]	352 cm <sup>2</sup>
Equivalent volume [Vas]	94.9 l
Sensitivity (2.83V/1m)	88 dB
Ratio Bl/√Re	6.51 N/√W
Ratio fs/Qts	68 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]	3.3 Ω
Maximum impedance [Zo]	46.8 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

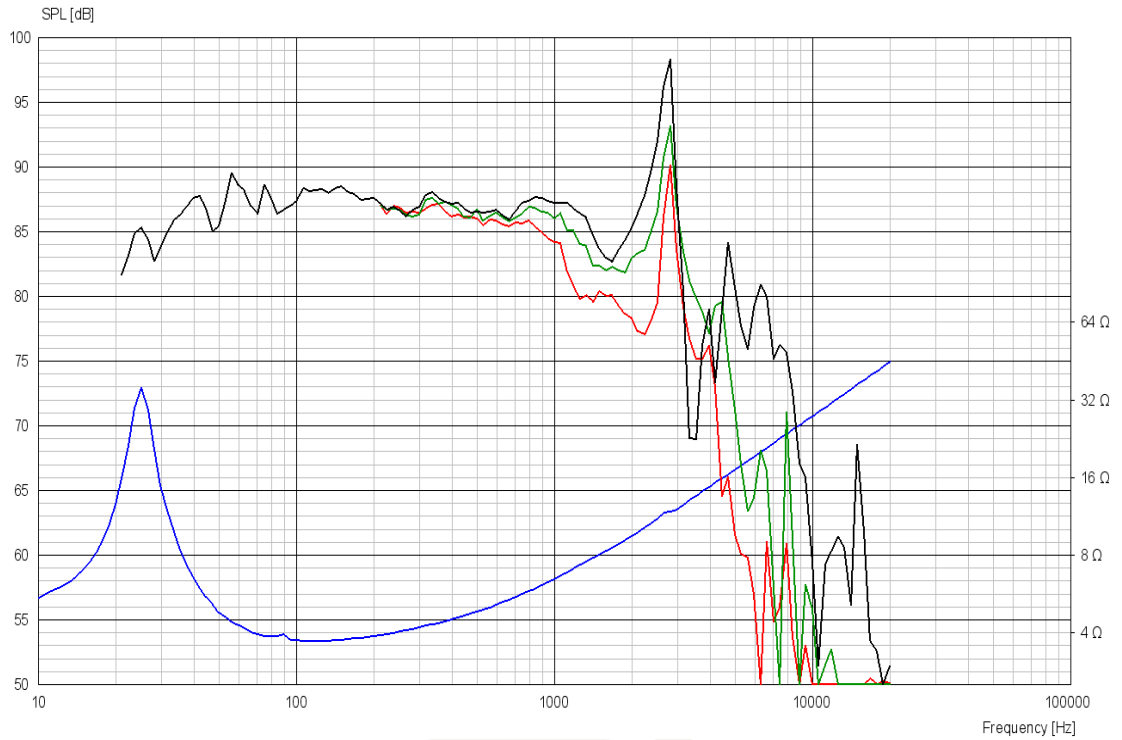
#### Voice Coil and Magnet Data

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	6.2 kg



# SUBWOOFER

# 26W/4558T00



## Advanced Parameters (Preliminary)



### Electrical data:

Resistance [R <sub>E'</sub> ]	3.06 Ω
Free inductance [L <sub>EB</sub> ]	0.141 mH
Bound inductance [L <sub>E</sub> ]	1.09 mH
Semi-inductance [K <sub>E</sub> ]	0.0863 SH
Shunt resistance [R <sub>SS</sub> ]	6889 Ω

### Mechanical Data

Force Factor [BI]	9.20 Tm
Moving mass [M <sub>MS</sub> ]	102 g
Compliance [C <sub>MS</sub> ]	0.508 mm/N
Mechanical resistance [R <sub>MS</sub> ]	0.746 kg/s
Admittance [A <sub>MS</sub> ]	0.0467 mm/N