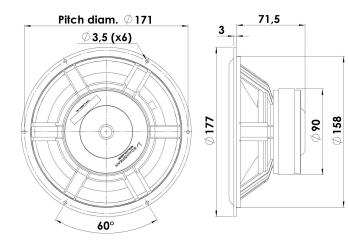


# CLASSIC

### MIDWOOFER

## 18W/8535-01

This unit is an improved version of the highly praised 18W/8535-00 midwoofer, where a new aluminum chassis and an updated cone as wells as a few other details are introduced, these updates improves mechanical stability and sound performance. High-quality magnet system design with patented Symmetric Drive(SD-1) continues to be key feature.





#### **KEY FEATURES:**

- Patented Symmetrical Drive Motor Design
- 38mm Voice Coil
- Low Damping SBR Rubber Surround

#### **T-S Parameters**

T O T di dificter 5	
Resonance frequency [fs]	25 Hz
Mechanical Q factor [Qms]	2.1
Electrical Q factor [Qes]	0.46
Total Q factor [Qts]	0.38
Force factor [BI]	5.9 Tm
Mechanical resistance [Rms]	1.33 kg/s
Moving mass [Mms]	17.2 g
Compliance [Cms]	2.30 mm/N
Effective diaph. diameter [D]	136 mm
Effective piston area [Sd]	145 cm <sup>2</sup>
Equivalent volume [Vas]	68.9 I
Sensitivity (2.83V/1m)	87.2 dB
Ratio BI/√Re	2.44 N/√W
Ratio fs/Qts	67.4 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: December 20, 2012.

- Coated Air Dried Paper/Carbon Fibre Cone
- Low-Loss linear suspension
- Aluminium Chassis

#### **Electrical Data**

Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.8 Ω
Maximum impedance [Zo]	32 Ω
DC resistance [Re]	5.85 Ω
Voice coil inductance [Le]	0.33 mH

#### **Power Handling**

100h RMS noise test (IEC 17.1)	70 W
Long-term max power (IEC 17.3)	190 W

#### Voice Coil & Magnet Data

Voice coil diameter	38 mm
Voice coil height	15 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 5 mm
Max mech. excursion	± 10 mm
Unit weight	1.1 kg

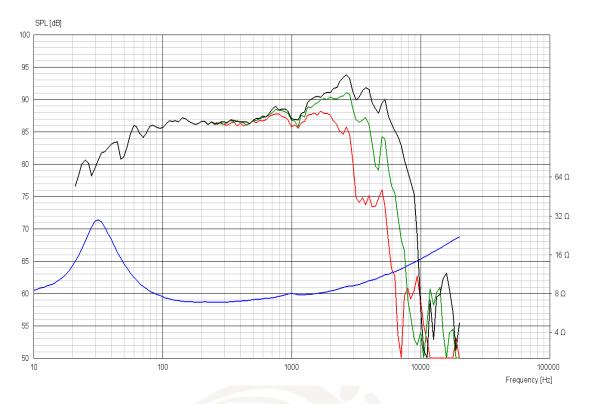
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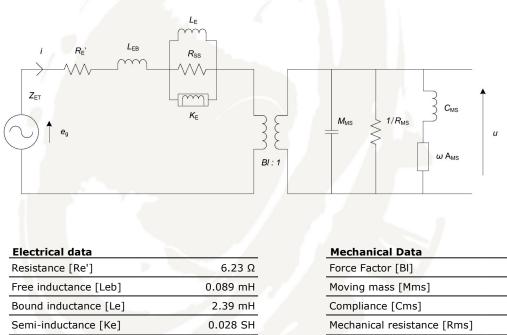
# CLASSIC

**MIDWOOFER** 

### 18W/8535-01



Advanced Parameters (Preliminary)



Admittance [Ams] 0.34 mm/N

5.93 Tm

2.28 mm/N

1.33 kg/s

17.2 g

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237 Ω

Shunt resistance [Rss]