# MIDWOOFER                    15W/8534T00

Adding this 15 cm midwoofer to the Classic line provides a missing link in this series of well known and well established drivers with excellent sonic performance. The new driver uses a new cone material with a fine combination of stiffness and damping. It goes without saying that Symmetrical drive, low loss linear suspension and aluminium chassis is part of the package.
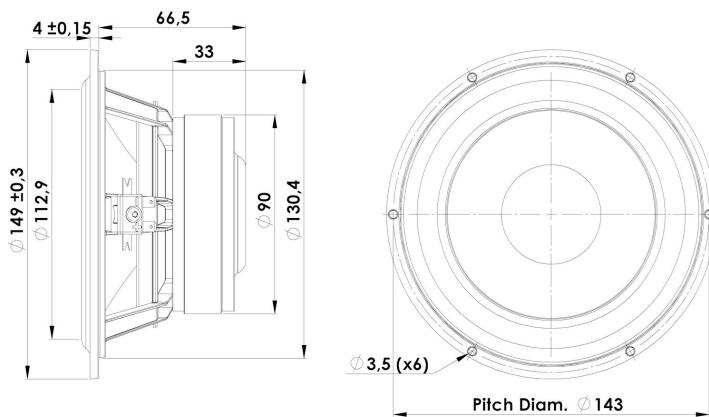
## KEY FEATURES:

- "Phenomax" cone material
- 38 mm voice coil
- Aluminium chassis
- Symmetrical drive motor system
- Low loss linear rubber suspension

### T-S Parameters

| | |
|---|---|
| Resonance frequency [fs] | 32 Hz |
| Mechanical Q factor [Qms] | 3.6 |
| Electrical Q factor [Qes] | 0.43 |
| Total Q factor [Qts] | 0.39 |
| Force factor [Bl] | 5.5 Tm |
| Mechanical resistance [Rms] | 0.6 kg/s |
| Moving mass [Mms] | 11 g |
| Compliance [Cms] | 2.2 mm/N |
| Effective diaph. diameter [D] | 112 mm |
| Effective piston area [Sd] | 98 cm² |
| Equivalent volume [Vas] | 30 l |
| Sensitivity (2.83V/1m) | 85.5 dB |
| Ratio Bl/√Re | 2.3 N/√W |
| Ratio fs/Qts | 84 Hz |

### Electrical Data

| | |
|---|---|
| Nominal impedance [Zn] | 8 Ω |
| Minimum impedance [Zmin] | 6.6 Ω |
| Maximum impedance [Zo] | 57 Ω |
| DC resistance [Re] | 5.8 Ω |
| Voice coil inductance [Le] | 0.26 mH |

### Power Handling

| | |
|---|---|
| 100h RMS noise test (IEC 17.1) | 60 W |
| Long-term max power (IEC 17.3) | 100 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 | ± 9 mm |
| Unit weight | 1.2 kg |

**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 17, 2019.

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Legend: On-axis · 30° off-axis · 60° off-axis · Impedance
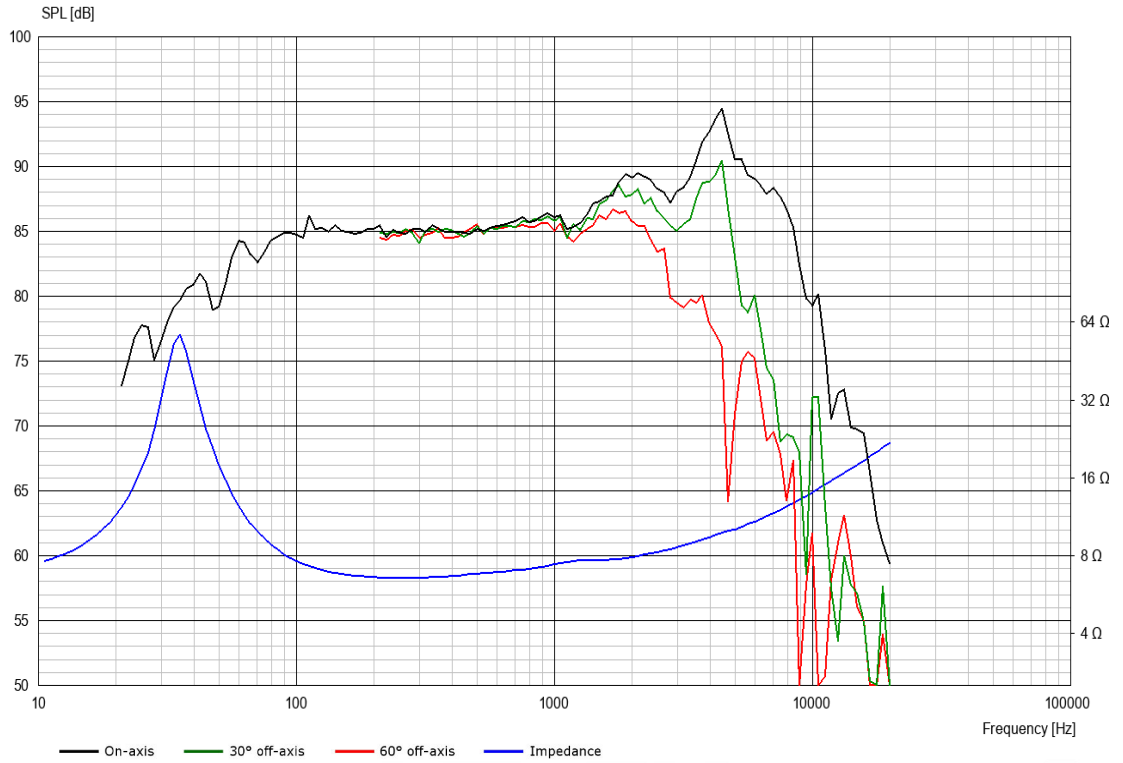
# Advanced Parameters (Preliminary)
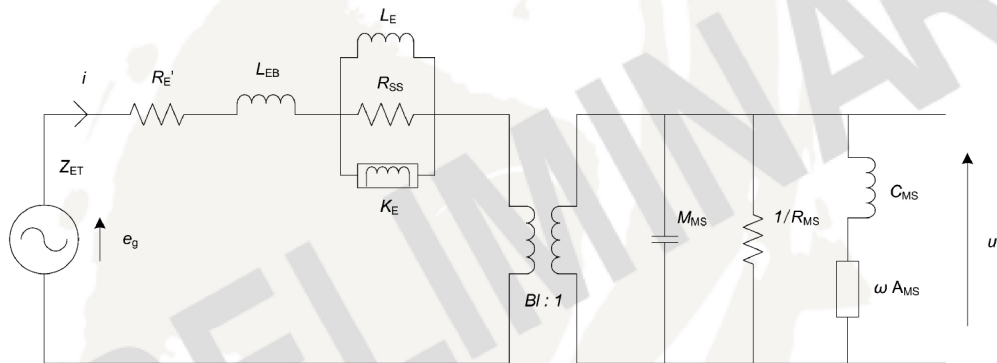


### Electrical data

| | |
|---|---|
| Resistance [Re'] | - Ω |
| Free inductance [Leb] | - mH |
| Bound inductance [Le] | - mH |
| Semi-inductance [Ke] | - SH |
| Shunt resistance [Rss] | - Ω |

### Mechanical Data

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