

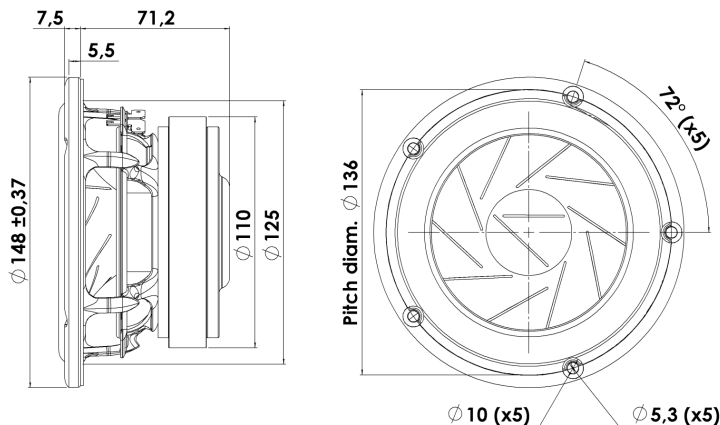


# REVELATOR

## MIDRANGE

## 15M/8631G00

This Revelator midrange has sliced paper cone technology. The slices are filled with damping glue, which dramatically reduces break-up modes in the diaphragm. In combination with the Scan-Speak low loss linear suspension and the patented symmetrical Drive SD-1 it represents a breakthrough in midrange clarity and overall smooth frequency response characteristics.



### KEY FEATURES:

- Patented Symmetrical Drive motor system
- Sliced cone technology
- Large ferrite magnet system
- Low loss, low damping linear suspension
- Die cast Alu chassis vented below spider

#### T-S Parameters

Resonance frequency [fs]	42 Hz
Mechanical Q factor [Qms]	5.8
Electrical Q factor [Qes]	0.37
Total Q factor [Qts]	0.35
Force factor [Bl]	6.8 Tm
Mechanical resistance [Rms]	0.5 kg/s
Moving mass [Mms]	10.9 g
Compliance [Cms]	1.28 mm/N
Effective diaph. diameter [D]	110 mm
Effective piston area [Sd]	95 cm <sup>2</sup>
Equivalent volume [Vas]	16.2 l
Sensitivity (2.83V/1m)	86.8 dB
Ratio Bl/√Re	2.8 N/√W
Ratio fs/Qts	120 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: May 6, 2019.

#### Electrical Data

Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	6.9 Ω
Maximum impedance [Zo]	96 Ω
DC resistance [Re]	5.9 Ω
Voice coil inductance [Le]	0.22 mH

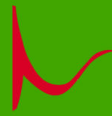
#### Power Handling

100h RMS noise test (IEC 17.1)	50 W
Long-term max power (IEC 17.3)	110 W

#### Voice Coil & Magnet Data

Voice coil diameter	38 mm
Voice coil height	11 mm
Voice coil layers	2
Height of gap	5 mm
Linear excursion	± 3 mm
Max mech. excursion	± 8 mm
Unit weight	1.7 kg

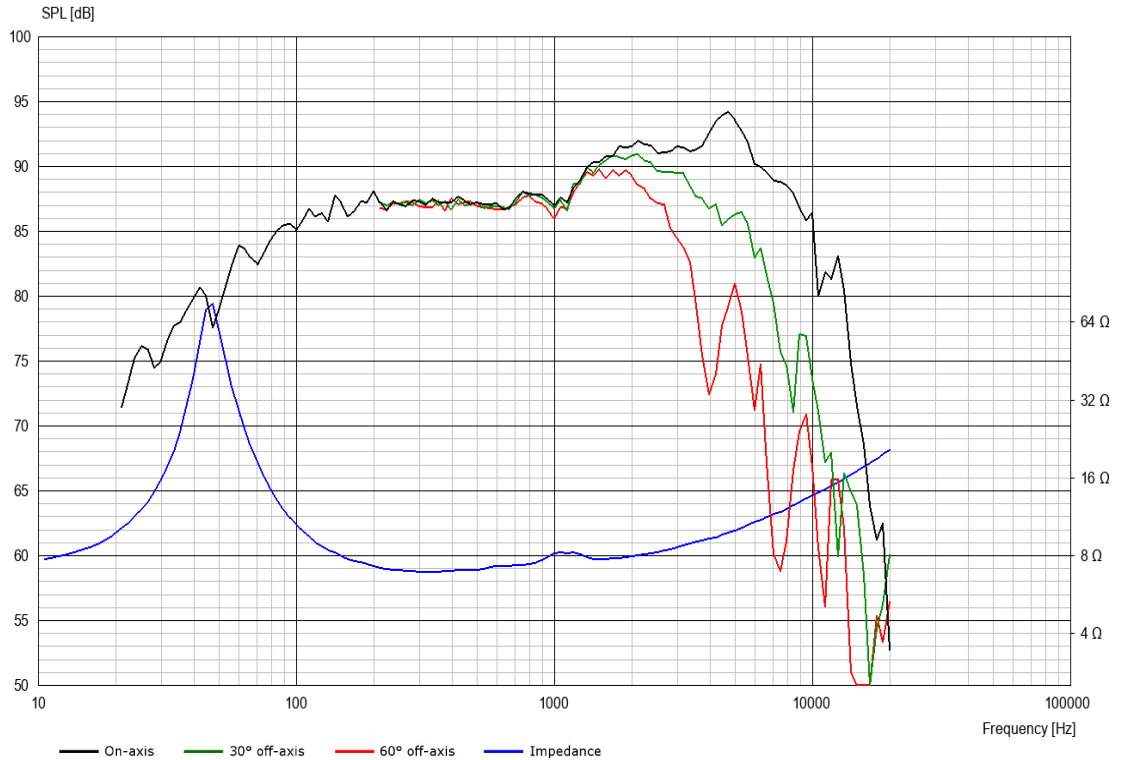




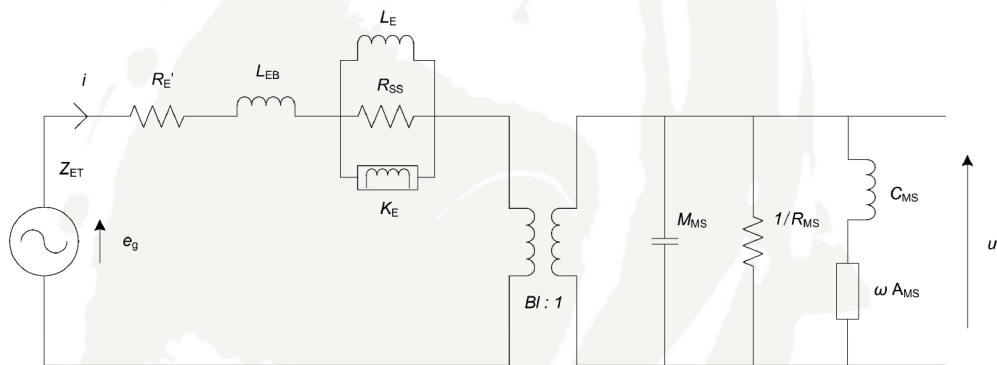
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### Advanced Parameters (Preliminary)



#### Electrical data

Resistance [ $R_{E'}$ ]	- $\Omega$
Free inductance [ $L_{EB}$ ]	- mH
Bound inductance [ $L_E$ ]	- mH
Semi-inductance [ $K_E$ ]	- SH
Shunt resistance [ $R_{SS}$ ]	- $\Omega$

#### Mechanical Data

Force Factor [ $Bl$ ]	- Tm
Moving mass [ $M_{MS}$ ]	- g
Compliance [ $C_{MS}$ ]	- mm/N
Mechanical resistance [ $R_{MS}$ ]	- kg/s
Admittance [ $A_{MS}$ ]	- mm/N