

Revelator 5¼ Midwoofer

SCANSPEAK

Type Number: 15W/8531K00

Features:

The Revelator series has for years been celebrated for producing the best sounding electro dynamic transducers in the world. Since ScanSpeak was founded in 1970, the audio engineers and R&D experts working on the line have been on a quest to create drivers that reveal all the sound in recordings, hiding nothing from the listener. This quest has resulted in several revolutionary inventions that remove distortion in the magnet systems and in the moving parts of the speaker. The philosophy is that the sound has to be very dynamic, giving a perfect transient response and providing tonal balance.

One of the latest inventions realized in the Revelator midrange design is the sliced paper cone, which reduces breakup modes in the membrane dramatically. The result is an undisputed clarity in sound.

Driver Highlights:

- Low loss linear suspension
- Sliced paper cone
- SD-1 motor



Specs:

Electrical Data

Nominal impedance	Zn	8 ohm
Minimum impedance	Zmin	- ohm
Maximum impedance	Zo	- ohm
DC resistance	Re	5.8 ohm
Voice coil inductance	Le	0.35 mH

T-S Parameters

Resonance Frequency	fs	32 Hz
Mechanical Q factor	Qms	5.23
Electrical Q factor	Qes	0.33
Total Q factor	Qts	0.31
Force factor	Bl	6.8 Tm
Mechanical resistance	Rms	0.5 Kg/s
Moving mass	Mms	13 g
Suspension compliance	Cms	- mm/N
Effective cone diameter	D	- cm
Effective piston area	Sd	95 cm ²
Equivalent volume	Vas	28 ltrs
Sensitivity (2.83V/1m)		85.5 dB

Power handling

100h RMS noise test (IEC)	60 W
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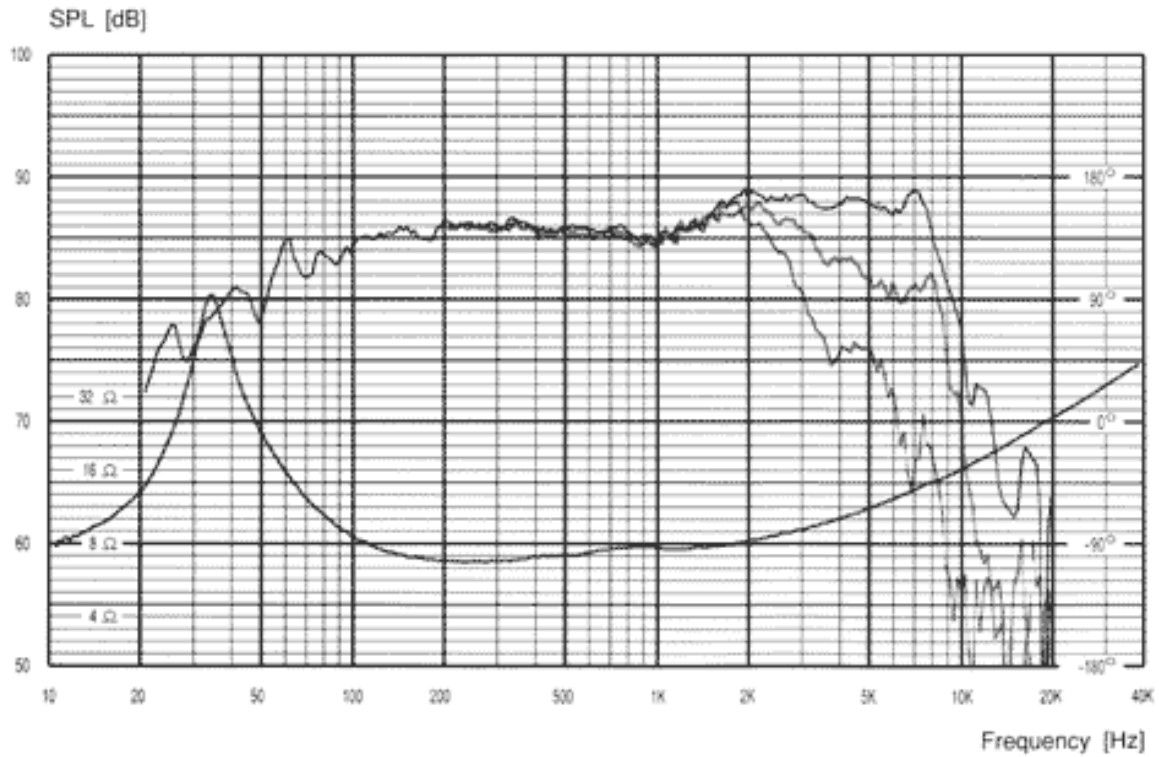
Voice Coil and Magnet Parameters

Voice coil diameter	38 mm
Voice coil height	18 mm
Voice coil layers	2
Height of the gap	5 mm
Linear excursion +/-	6.5 mm
Max mech. excursion +/-	9 mm

Diameter of magnet	110 mm
Height of magnet	18 mm
Weight of magnet	0.69 Kg
Unit net. weight	1.65 Kg

Notes:
IEC specs refer to IEC 60268-5 third edition.
All ScanSpeak products are RoHS compliant.

Frequency: 15W/8531K00



Mechanical Dimensions: 15W/8531K00

