TYMPHANY

Revelator 8″ Woofer

SCANSPEAK

Type Number: 22W/4851T00

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.

The latest generation of the Revelator woofers incorporates a new aluminum cone design, resulting in an impressive transient response. The output is incredibly natural sounding bass that challenges the listener to tell the difference between the real thing and its reproduction.

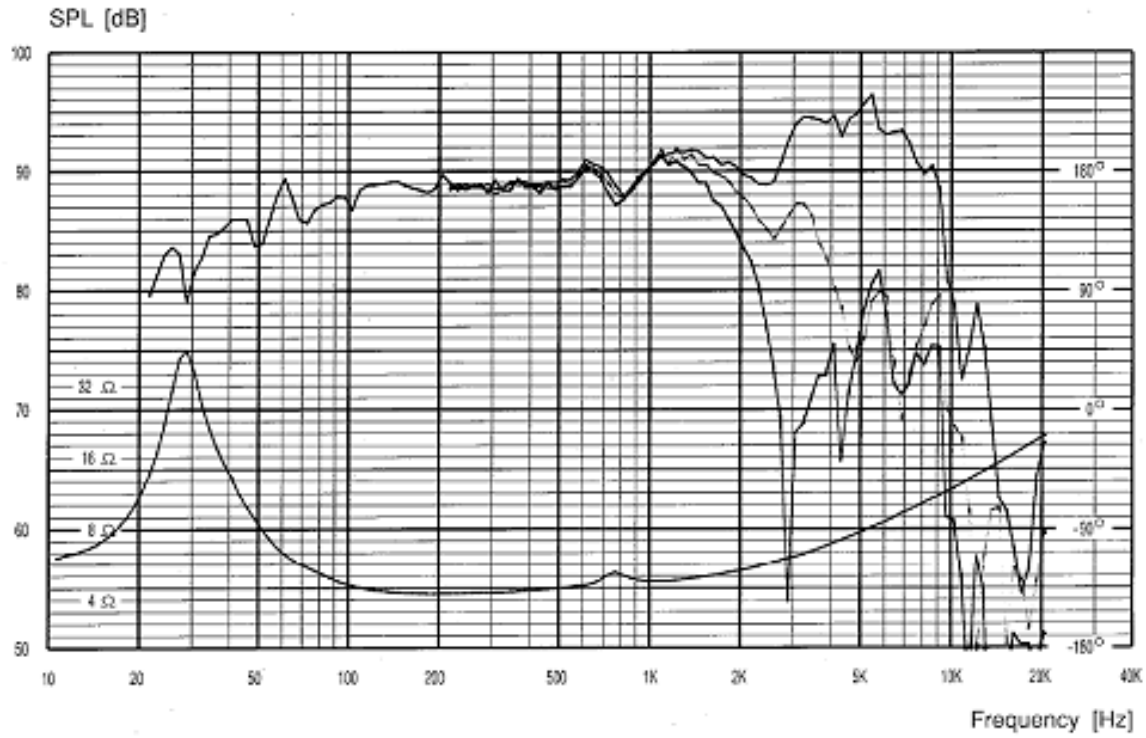
Driver Highlights: Low loss linear suspension, SD-1 motor system, hard paper cone

Specs:

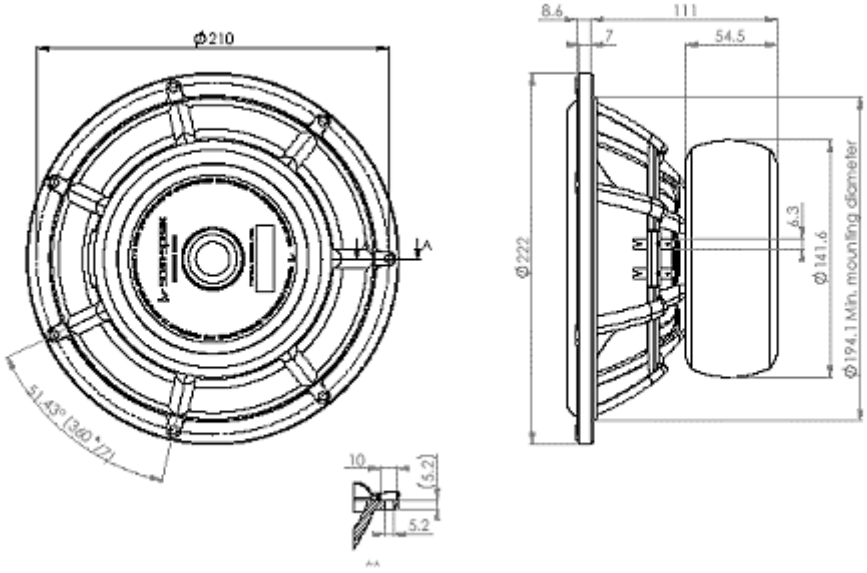
Electrical Data			
Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	--	ohm
Maximum impedance	Zo	--	ohm
DC resistance	Re	3.7	ohm
Voice coil inductance	Le	0.3	mH
T-S Parameters			
Resonance Frequency	fs	20.5	Hz
Mechanical Q factor	Qms	5.2	
Electrical Q factor	Qes	0.23	
Total Q factor	Qts	0.22	
Ratio fs/Qts	F	--	
Force factor	Bl	8.2	Tm
Mechanical resistance	Rms	0.8	Kg/s
Moving mass	Mms	32.5	g
Suspension compliance	Cms	--	mm/N
Effective cone diameter	D	--	cm
Effective piston area	Sd	220	cm^2
Equivalent volume	Vas	127	ltrs
Sensitivity		89	dB
Ratio BL/√(Re)		--	

Power handling		
100h RMS noise test (IEC)	170	W
Long-term Max System Power (IEC)	--	W
Max linear SPL (rms) @ power	--	dB/W
Short Term Max power	--	W
Voice Coil and Magnet Parameters		
Voice coil diameter	50	mm
Voice coil height	--	mm
Voice coil layers	--	
Height of the gap	--	mm
Linear excursion +/-	9	mm
Max mech. excursion +/-	14	mm
Flux density of gap	--	mWb
Total useful flux	--	mWb
Diameter of magnet	--	mm
Height of magnet	--	mm
Weight of magnet	--	Kg

Frequency:



Mechanical Dimensions:



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