



DEGO

Definition of Sound

Nova 3000 SW 250 A

HIGH-PERFORMANCE ALUMINUM MEMBRANE

Instruction manual for 250 Subwoofer

Article-No. 970 0080 00

Designed, engineered & manufactured in Germany

CONGRATULATIONS!

55 years of experience in speaker development transferred into your high-end subwoofer masterpiece DEGO Nova 3000 SW 250 A.

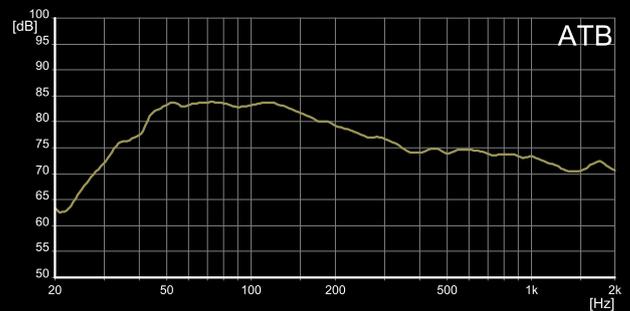
The completely newly designed 250 mm Subwoofer, featuring a rigid aluminum cone that perfectly complements the powerful, double-vented magnet system, delivering a deep, room-filling sound volume. Its outstanding sound quality makes DEGO Nova 3000 SW 250 A one of the finest Subwoofer in German engineering.



Nova 3000 SW 250 A SPECIFICATIONS

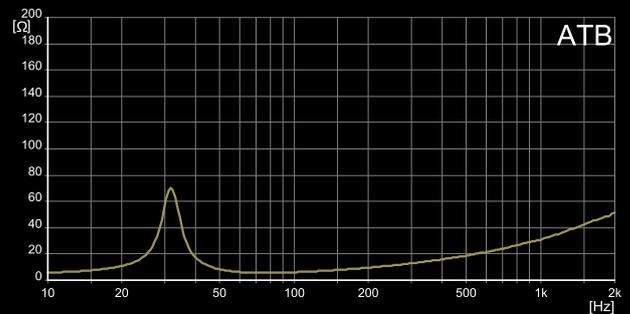
DC resistance	R_e	2 x 1.8	Ω
Nominal impedance	Z_N	2 x 2	Ω
Voice coil inductance	L_e	4.5	mH
Voice coil diameter		65	mm
Voice coil height		33	mm
Height of gap		8	mm
Linear excursion		± 12.5	mm
Max. mech. excursion		± 20	mm

Frequency response [1W/1m]



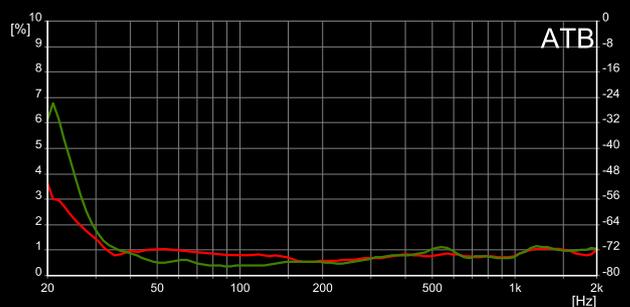
Resonance frequency	f_s	31.4	Hz
Mechanical Q factor	Q_{ms}	9.51	
Electical Q factor	Q_{es}	0.51	
Total Q factor	Q_{ts}	0.48	

Impedance



Moving mass	M_{ms}	158.6	g
Effective piston area	S_d	352	cm ²
Mechanical Resistance	R_{ms}	3.29	kg/s
Compliance	C_{ms}	0.16	mm/N
Force factor	Bl	15.9	Tm
Equivalent volume	V_{as}	28.2	dm ³
Efficiency	η	0.17	%
SPL 1W/1m		84.2	dB
SPL 2.83V/1m		87.1	dB

Harmonic Distortion [1W/1m]



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Subwoofer	250	mm	Mounting Depth	140.5	mm
Impedance	2 x 2	Ω	Outside Diameter	272	mm
Nominal Power	2 x 250	W	Mounting Diameter	234	mm
Peak Power	2 x 400	W			
Sensitivity 1W/1m	84.2	dB			

