



Definition of Sound

Star 3000 SW 250

SPECIALLY COATED PAPER CONE DRIVER

Instruction manual for Subwoofer

Article-No. 970 0085 00

Star Series

Designed, engineered & manufactured in Germany

CONGRATULATIONS!

You have just purchased the DEGO Subwoofer Star 3000 SW 250.

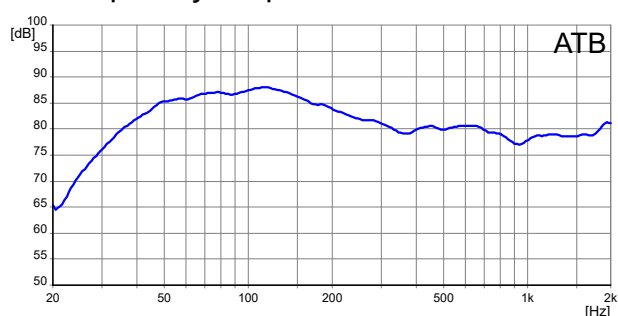
The well-balanced 250 mm Subwoofer with the torsionally rigid die-cast aluminum basket has a specially coated paper cone. The DEGO Star Subwoofer provides room-shaking, powerful bass reproduction and is one of the finest speakers in German engineering.



STAR 3000 SW 250 SPECIFICATIONS

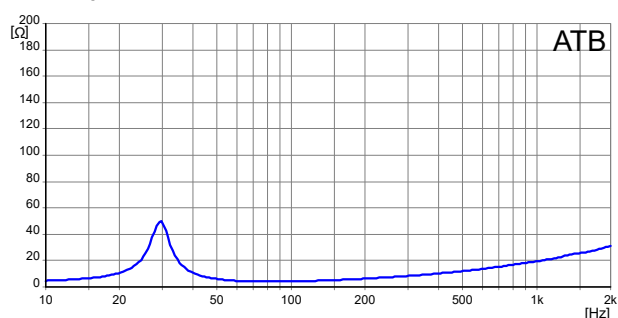
DC resistance	R_e	3.4	Ω
Nominal impedance	Z_N	4	Ω
Voice coil inductance	L_e	1.3	mH
Voice coil diameter		50	mm
Voice coil height		20.5	mm
Height of gap		8	mm
Linear excursion		± 6.3	mm
Max. mech. excursion		± 20	mm

Frequency response [1W/1m]



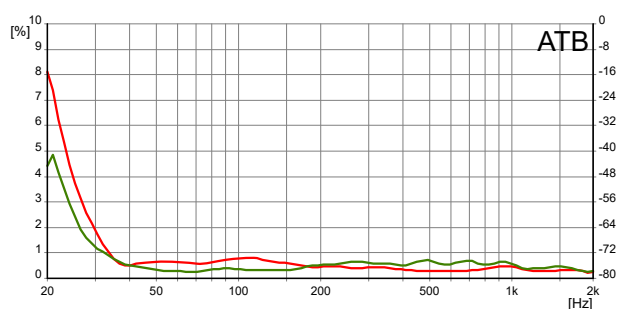
Resonance frequency	f_s	37	Hz
Mechanical Q factor	Q_{ms}	6.75	
Electical Q factor	Q_{es}	0.50	
Total Q factor	Q_{ts}	0.47	

Impedance



Moving mass	M_{ms}	88.9	g
Effective piston area	S_d	353	cm ²
Mechanical Resistance	R_{ms}	2.05	kg/s
Compliance	C_{ms}	0.35	mm/N
Force factor	Bl	10.4	Tm
Equivalent volume	V_{as}	61.5	dm ³
Efficiency	η	0.27	%
SPL 1W/1m		86.4	dB
SPL 2.83V/1m		90.0	dB

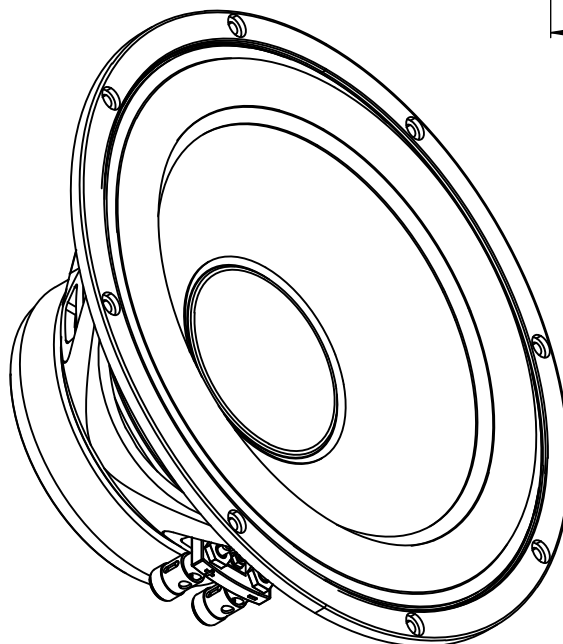
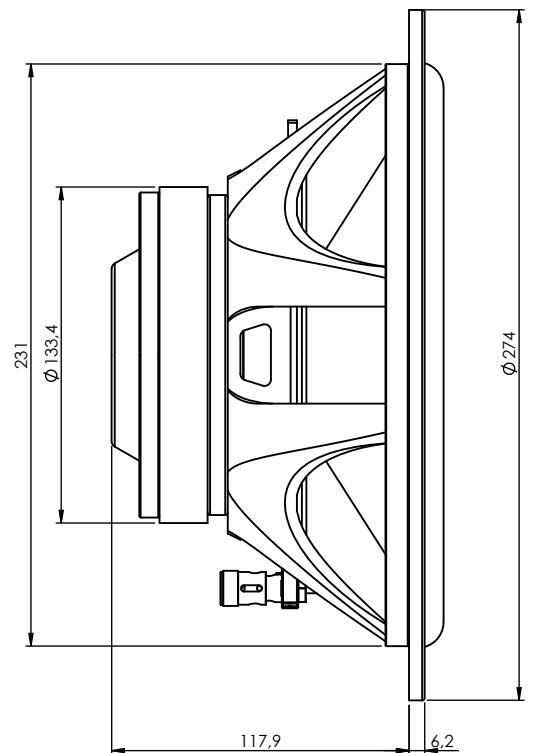
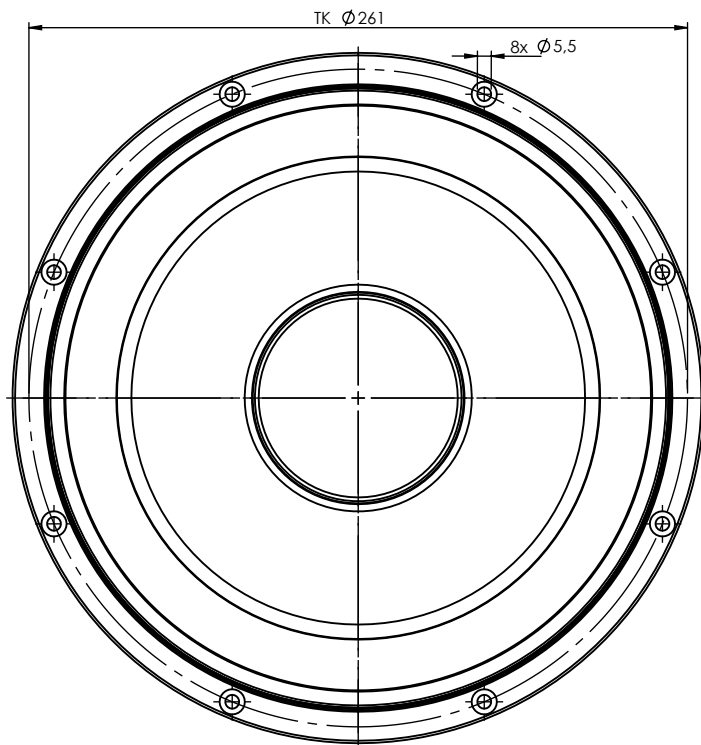
Harmonic Distortion [1W/1m]



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Woofer	250	mm	Mounting Depth	118	mm
Impedance	4	Ω	Outside Diameter	274	mm
Nominal Power	300	W	Mounting Diameter	231	mm
Peak Power	450	W			
Sensitivity 1W/1m	86.4	dB			



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