



DEGO

Definition of Sound

Space 3000 MW 165

HIGH TECH ALUMINIUM CONE DRIVER

Instruction manual for Midwoofer set

Article-No. 970 0052 00

Space Series

Designed, engineered & manufactured in Germany

CONGRATULATIONS!

You have just purchased the DEGO Reference Midwoofer Space 3000 MW.

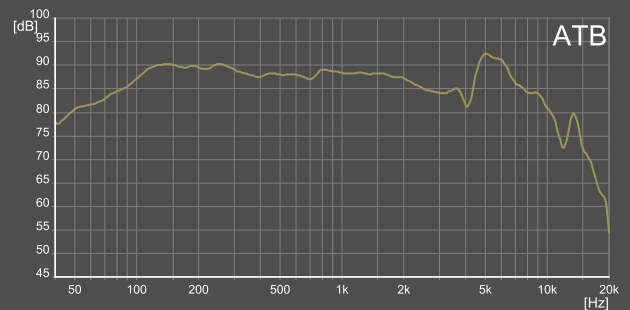
The 165 mm bass-midwoofer with resonance damping membrane embossing and aluminium dome. The R.A.C.E. technology reduces natural resonances of the aluminium cone. The solid aluminum die-cast basket offers an optimal pole core valve. The DEGO Space Midwoofer is one of the finest speakers in German engineering.



SPACE 3000 MW SPECIFICATIONS

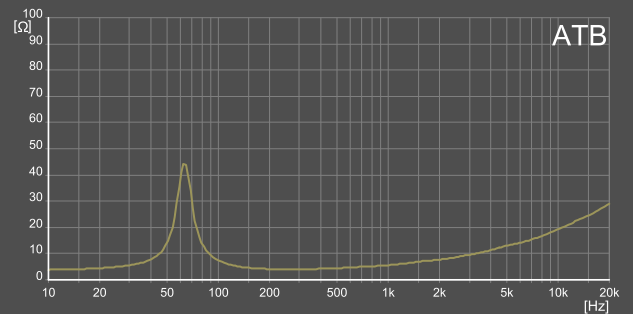
DC resistance	R_e	3.4	Ω
Nominal impedance	Z_N	4	Ω
Voice coil inductance	L_e	0.30	mH
Voice coil diameter		37	mm
Voice coil height		12	mm
Height of gap		6	mm
Linear excursion		± 3	mm
Max. mech. excursion		± 12	mm

Frequency response [1W/1m]



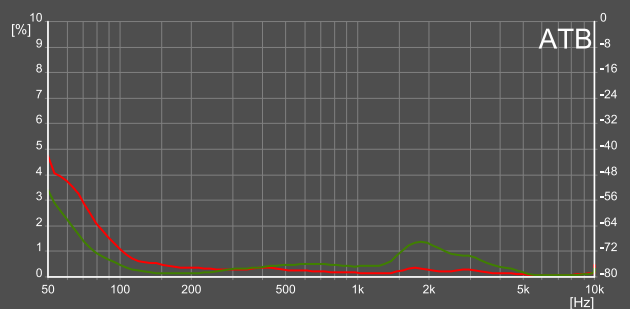
Resonance frequency	f_s	68	Hz
Mechanical Q factor	Q_{ms}	8.15	
Electical Q factor	Q_{es}	0.65	
Total Q factor	Q_{ts}	0.60	

Impedance



Moving mass	M_{ms}	14.9	g
Effective piston area	S_d	135	cm ²
Mechanical Resistance	R_{ms}	0.78	kg/s
Compliance	C_{ms}	0.36	mm/N
Force factor	Bl	5.88	Tm
Equivalent volume	V_{as}	9.32	dm ³
Efficiency	η	0.45	%
SPL 1W/1m		88.5	dB
SPL 2.83V/1m		92.1	dB

Harmonic Distortion [1W/1m]



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Woofer	165	mm	Mounting Depth	66.5	mm
Impedance	4	Ω	Outside Diameter	166	mm
Nominal Power	100	W	Mounting Diameter	142	mm
Peak Power	120	W			
Frequency Response	45 - 6k	Hz			
Sensitivity 1W/1m	90	db			

