



DEGO

Definition of Sound

Master 3000 MW 165

HIGH TECH ALUMINIUM CONE DRIVER

Instruction manual for Midwoofer set

Article-No. 970 0073 00

Master Series

Designed, engineered & manufactured in Germany

CONGRATULATIONS!

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

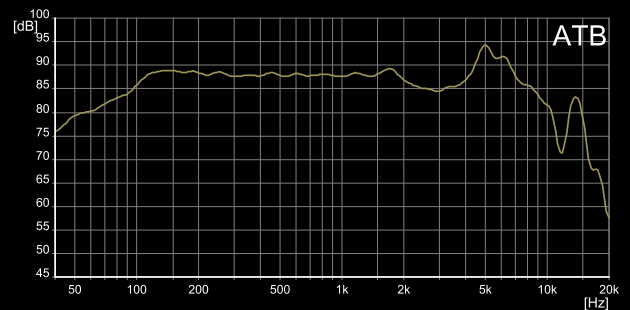
The totally new developed aluminium cone with R.A.C.E technology, a strong neodymium magnet, optimized rubber surround, vented basket and outstanding pillar design makes the DEGO Reference Midwoofer one of the finest speakers in German engineering.



MASTER 3000 MW SPECIFICATIONS

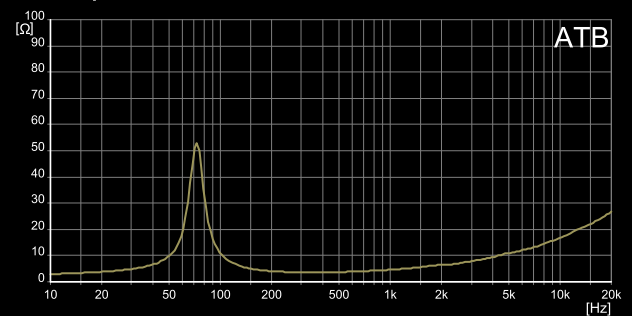
DC resistance	R_e	3.4	Ω
Nominal impedance	Z_N	4	Ω
Voice coil inductance	L_e	0.26	mH
Voice coil diameter		37	mm
Voice coil height		12	mm
Height of gap		6	mm
Linear excursion		± 3	mm
Max. mech. excursion		± 12	mm

Frequency response [1W/1m]



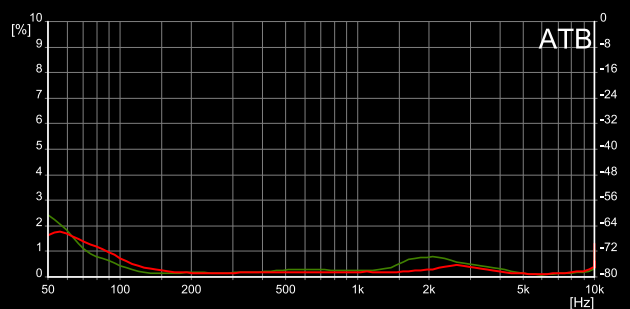
Resonance frequency	f_s	62	Hz
Mechanical Q factor	Q_{ms}	9.53	
Electical Q factor	Q_{es}	0.51	
Total Q factor	Q_{ts}	0.48	

Impedance



Moving mass	M_{ms}	15.0	g
Effective piston area	S_d	135	cm ²
Mechanical Resistance	R_{ms}	0.72	kg/s
Compliance	C_{ms}	0.32	mm/N
Force factor	Bl	6.74	Tm
Equivalent volume	V_{as}	8.25	dm ³
Efficiency	η	0.59	%
SPL 1W/1m		88.3	dB
SPL 2.83V/1m		92.4	dB

Harmonic Distortion [1W/1m]



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MASTER 3000 MW SPECIFICATIONS

Woofer	165	mm	Mounting Depth	67	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			

