



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.

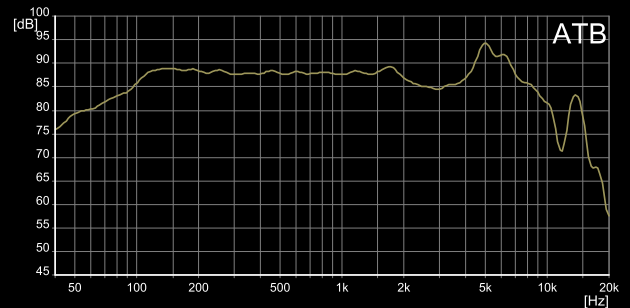
The totally new developed aluminium cone with R.A.C.E technology, a strong neodymium magnet, optimized rubber surround, vented basket and outstanding pillar design makes the DEGO Reference Midwoofer one of the finest speakers in German engineering.



## MASTER 3000 MW SPECIFICATIONS

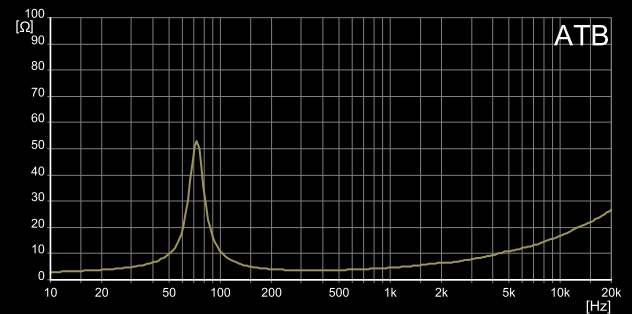
DC resistance	$R_e$	3.4	$\Omega$
Nominal impedance	$Z_N$	4	$\Omega$
Voice coil inductance	$L_e$	0.26	mH
Voice coil diameter		37	mm
Voice coil height		12	mm
Height of gap		6	mm
Linear excursion		$\pm 3$	mm
Max. mech. excursion		$\pm 12$	mm

Frequency response [1W/1m]



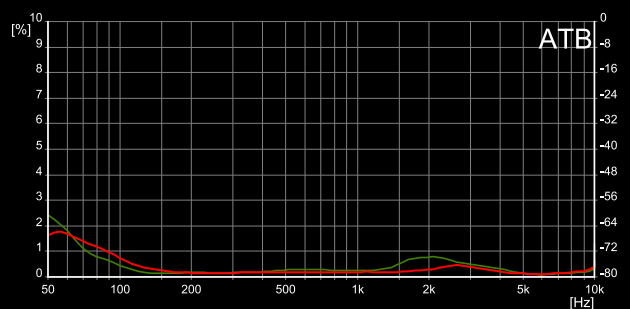
Resonance frequency	$f_s$	62	Hz
Mechanical Q factor	$Q_{ms}$	9.53	
Electical Q factor	$Q_{es}$	0.51	
Total Q factor	$Q_{ts}$	0.48	

Impedance



Moving mass	$M_{ms}$	15.0	g
Effective piston area	$S_d$	135	cm <sup>2</sup>
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 <sup>3</sup>
Efficiency	$\eta$	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	$\Omega$	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			

