



DEGO

Definition of Sound

Eclipse 3000 MW 165

SPECIALLY HIGH-PERFORMANCE DESIGN

Instruction manual for 165 Midwoofer

Article-No. 970 0089 00

Designed, engineered & manufactured in Germany

CONGRATULATIONS!

You have just purchased the DEGO Reference Midwoofer Eclipse 3000 MW 165.

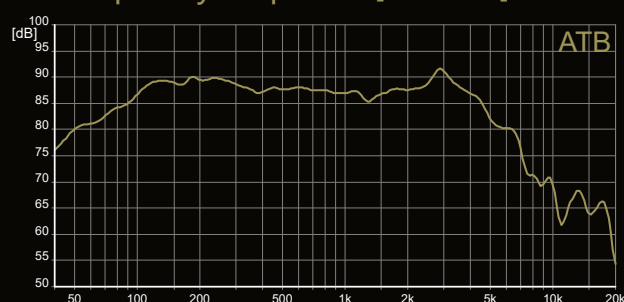
The newly developed midwoofer impresses with its elegant design and combines powerful performance with technical sophistication. The combination of a hand-coated 7-layer cone, a high-performance ferrite magnet system, and an optimized phase plug ensures a rich, well-defined, and exceptionally precise sound.



ECLIPSE 3000 MW 165 SPECIFICATIONS

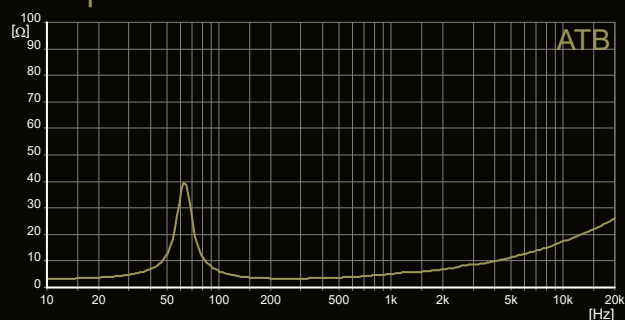
DC resistance	R_e	2.9	Ω
Nominal impedance	Z_N	3.5	Ω
Voice coil inductance	L_e	0.28	mH
Voice coil diameter		37	mm
Voice coil height		12	mm
Height of gap		6	mm
Linear excursion		± 3	mm
Max. mech. excursion		± 12	mm

Frequency response [1W/1m]



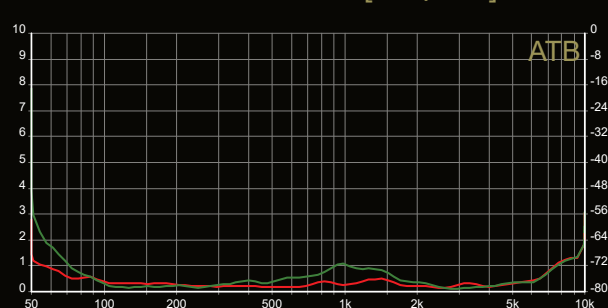
Resonance frequency	f_s	62	Hz
Mechanical Q factor	Q_{ms}	9.07	
Electical Q factor	Q_{es}	0.55	
Total Q factor	Q_{ts}	0.52	

Impedance



Moving mass	M_{ms}	17.8	g
Effective piston area	S_d	136	cm ²
Mechanical Resistance	R_{ms}	0.77	kg/s
Compliance	C_{ms}	0.36	mm/N
Force factor	Bl	6.06	Tm
Equivalent volume	V_{as}	9.46	dm ³
Efficiency	η	0.40	%
SPL 1W/1m		88.0	dB
SPL 2.83V/1m		92.4	dB

Harmonic Distortion [1W/1m]



rot / red: K2 grün / green: K3

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ECLIPSE 3000 MW 165 SPECIFICATIONS

Woofer	165	mm
Impedance	2,9	Ω
Nominal Power	100	W
Peak Power	120	W
Frequency Response	45 - 6k	Hz
Sensitivity 1W/1m	88	dB

Mounting Depth	67	mm
Outside Diameter	166	mm
Mounting Diameter	142	mm

