



DEGO

Definition of Sound

Eclipse 3000 MR 80

SPECIALLY HIGH-PERFORMANCE DESIGN

Instruction manual for 80 Midrange

Article-No. 970 0088 00

Designed, engineered & manufactured in Germany

CONGRATULATIONS!

You have just purchased the DEGO reference midrange Eclipse 3000 MR 80.

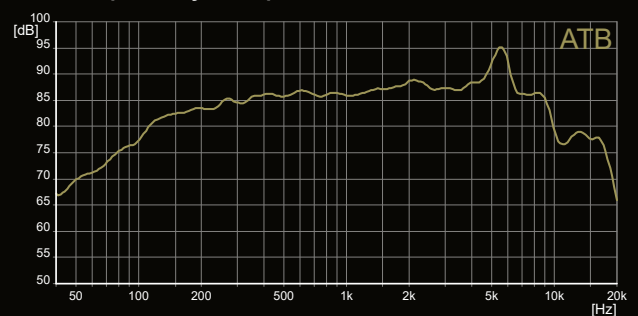
The newly developed midrange driver impresses with its elegant design and precise sound reproduction, featuring a nuanced, warm tonal character. The combination of a hand-coated 5-layer diaphragm, a powerful push-pull magnet system, and an optimized phase plug enables exceptionally precise and natural sound reproduction.



ECLIPSE 3000 MR 80 SPECIFICATIONS

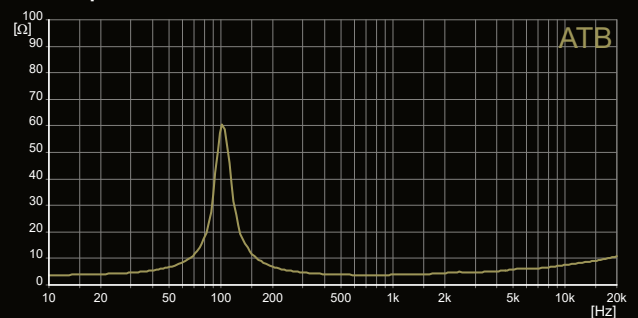
DC resistance	R_e	3.4	Ω
Nominal impedance	Z_N	4	Ω
Voice coil inductance	L_e	0.21	mH
Voice coil diameter		25	mm
Voice coil height		6.5	mm
Height of gap		3	mm
Linear excursion		± 1.75	mm
Max. mech. excursion		± 6	mm

Frequency response [1W/1m]



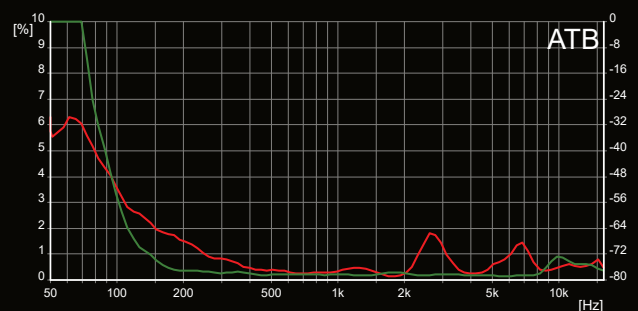
Resonance frequency	f_s	103	Hz
Mechanical Q factor	Q_{ms}	8.25	
Electrical Q factor	Q_{es}	0.40	
Total Q factor	Q_{ts}	0.38	

Impedance



Moving mass	M_{ms}	2.92	g
Effective piston area	S_d	34.2	cm ²
Mechanical resistance	R_{ms}	0.23	Kg/s
Compliance	C_{ms}	0.81	mm/N
Force factor	Bl	4.00	Tm
Equivalent air volume	V_{as}	1.34	dm ³
Efficiency	η	0.35	%
SPL 1W/1m		87.5	dB
SPL 2.83V/1m		91.2	dB

Harmonic Distortion [1W/1m]



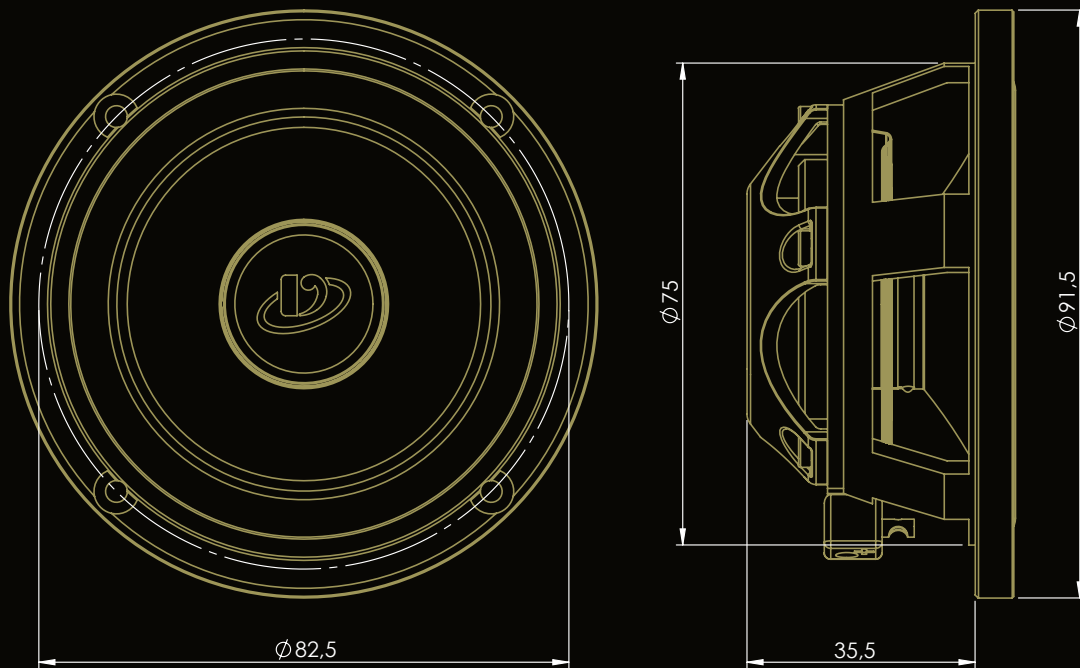
rot / red: K2 grün / green: K3

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MASTER 3000 MR 80 SPECIFICATIONS

Midrange	80	mm
Impedance	4	Ω
Nominal Power	40	W
Peak Power	65	W
Frequency Response	200 - 15K	Hz
Sensitivity 1W/1m	87.5	dB

Mounting depth	35.5	mm
Outside diameter	91.5	mm
Mounting diameter	75	mm



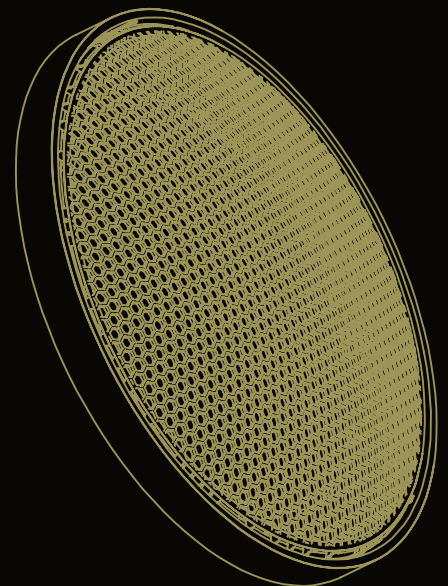
OPTIONAL ECLIPSE 3000 MR ACCESSORIES

SPEAKER GRILLE AND RINGS SET

ARTICLE-No. 970 0077 00

2x Metall hexagon grilles

2x Retaining rings



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