



DEGO

Definition of Sound

Eclipse 3000 T 25

SPECIALLY HIGH-PERFORMANCE DESIGN

Instruction manual for 25 Tweeter

Article-No. 970 0087 00

Designed, engineered & manufactured in Germany

CONGRATULATIONS!

You have just purchased the DEGO Reference Tweeter Eclipse 3000 T 25.

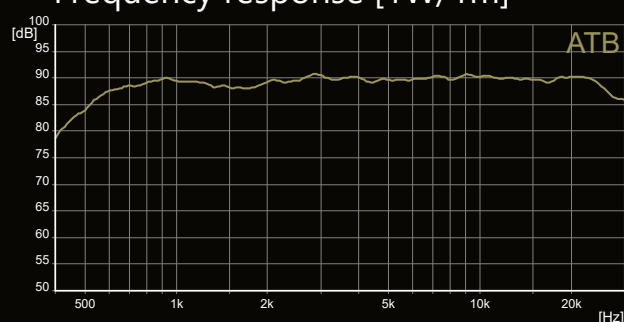
The newly developed tweeter impresses with its elegant design and dynamic sound reproduction, featuring the finest, silky-smooth high-frequency details. The hand-coated fabric dome and the optimized coupling volume ensure natural detail and spatial depth. The outstanding design and emerging sound stage makes it one of the finest speakers in German engineering.



ECLIPSE 3000 T 25 SPECIFICATIONS

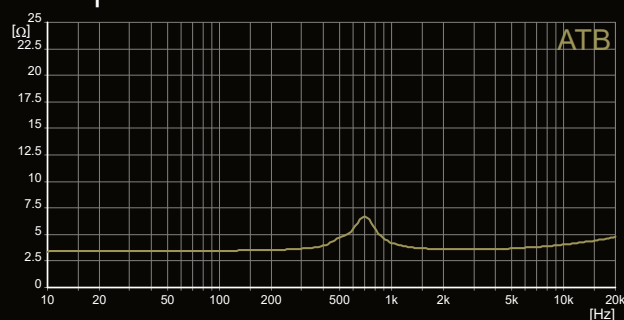
DC resistance	R_e	3.4	Ω
Nominal impedance	Z_N	4	Ω
Voice coil inductance	L_e	0.04	mH
Voice coil diameter		25	mm
Voice coil height		1.4	mm
Height of gap		2	mm

Frequency response [1W/1m]



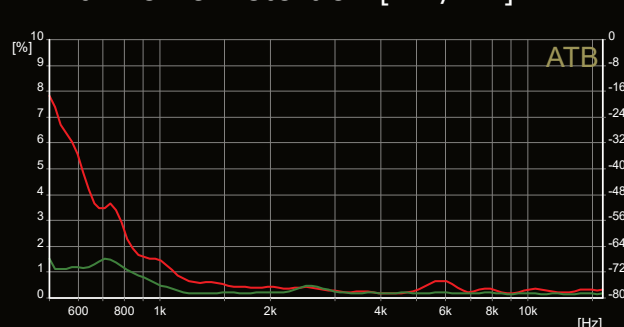
Resonance frequency	f_s	683	Hz
Mechanical Q factor	Q_{ms}	1.52	
Electrical Q factor	Q_{es}	1.76	
Total Q factor	Q_{ts}	0.81	

Impedance



Moving mass	M_{ms}	0.31	g
Effective piston area	S_d	8.15	cm ²
Mechanical resistance	R_{ms}	0.88	Kg/s
Compliance	C_{ms}	0.18	mm/N
Force factor	Bl	1.62	Tm
Equivalent air volume	V_{as}	0.017	dm ³
Efficiency	η	0.29	%
SPL 1W/1m		89.5	dB
SPL 2.83V/1m		93.2	dB

Harmonic Distortion [1W/1m]



rot / red: K2 grün / green: K3

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MASTER 3000 T SPECIFICATIONS

Tweeter	25	mm
Impedance	4	Ω
Nominal Power *	80	W
Peak Power	120	W
Frequency Response	1.5 - 23	kHz
Sensitivity 1W/1m	88.7	dB

Mounting depth	28.9	mm
Outside diameter	68	mm
Mounting diameter	47	mm

* Filter: 2. order HP Butterworth 2.5 kHz

