



Definition of Sound

Power 3000 MR 100

SPECIALLY COATED PAPER CONE DRIVER

Instruction manual for Midrange set

Article-No. 970 0521 00

Power Series

Designed, engineered & manufactured in Germany

CONGRATULATIONS!

You have just purchased the DEGO reference midrange Power 3000 MR 100.

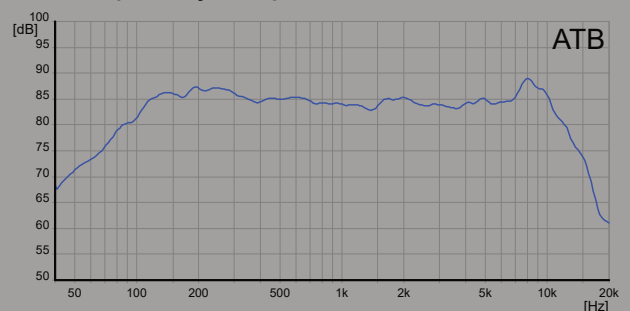
The 100 mm midrange speaker with paper dome, shallow mounting depth and a detailed and dynamic sound image makes the DEGO Power midrange one of the finest speakers in German engineering.



POWER 3000 MR 100 SPECIFICATIONS

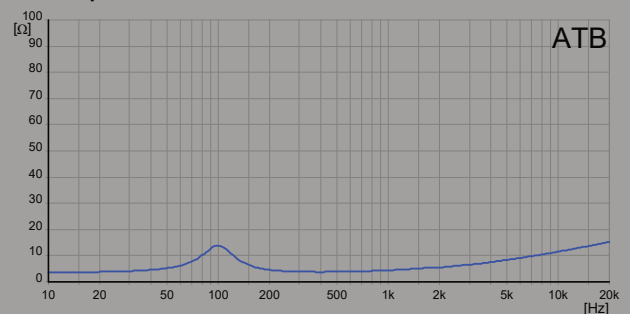
DC resistance	R_e	3.4	Ω
Nominal impedance	Z_N	4	Ω
Voice coil inductance	L_e	0.18	mH
Voice coil diameter		25	mm
Voice coil height		7	mm
Height of gap		5	mm
Linear excursion		± 1	mm
Max. mech. excursion		± 4.7	mm

Frequency response [1W/1m]



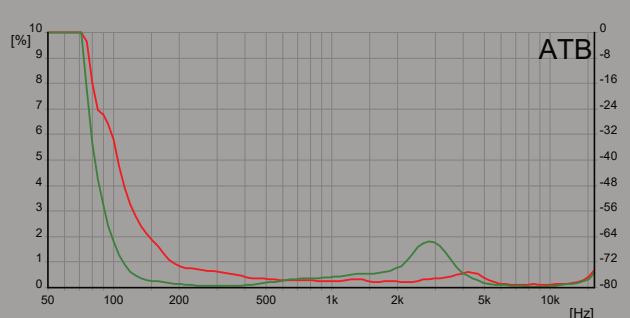
Resonance frequency	f_s	106.6	Hz
Mechanical Q factor	Q_{ms}	3.39	
Electrical Q factor	Q_{es}	0.97	
Total Q factor	Q_{ts}	0.75	

Impedance



Moving mass	M_{ms}	5.49	g
Effective piston area	S_d	54	cm ²
Mechanical resistance	R_{ms}	1.09	Kg/s
Compliance	C_{ms}	0.41	mm/N
Force factor	BL	3.59	Tm
Equivalent air volume	V_{as}	1.66	dm ³
Efficiency	η	0.20	%
SPL 1W/1m		85.0	dB
SPL 2.83V/1m		88.7	dB

Harmonic Distortion [1W/1m]

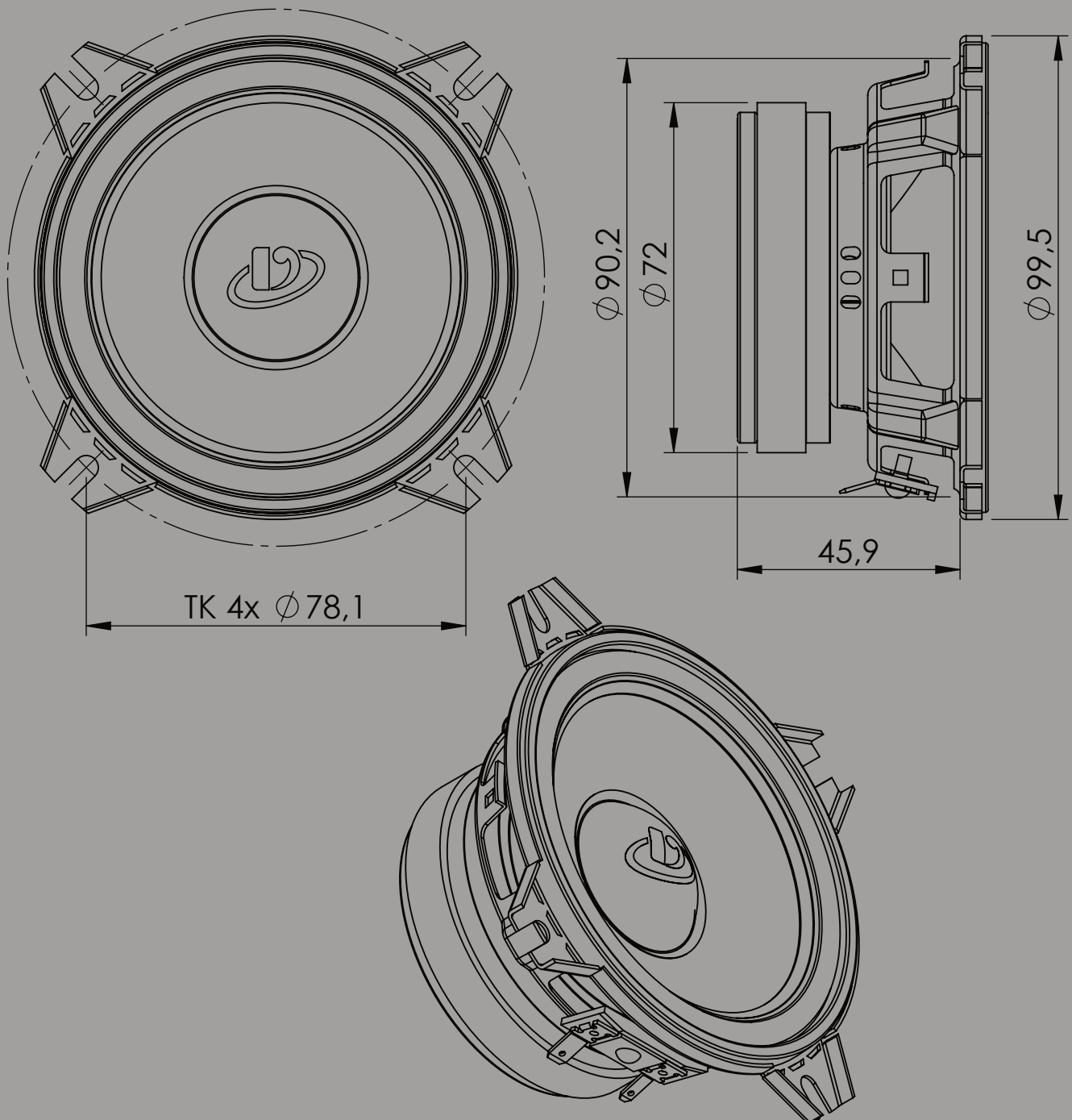


Designed, engineered & manufactured in Germany

POWER 3000 MW 100 SPECIFICATIONS

Midrange	100	mm
Impedance	4	Ω
Nominal Power	40	W
Peak Power	65	W
Frequency Response	150 - 10K	Hz
Sensitivity 1W/1m	85	dB

Mounting depth	45.9	mm
Outside diameter	99.5	mm
Mounting diameter	90.2	mm



Designed, engineered & manufactured in Germany