



DEGO

Definition of Sound

SPECIALLY COATED PAPER CONE DRIVER

Owner's manual for the Midrange set

PO 3.0 MR

POWERLINE SERIES

Designed by German engineers, manufactured in Germany

GENERAL INFORMATION

Congratulations!

You have just purchased a high-grade midrange set of our DEGO Line. All speakers are made in Germany by Ehmann & Partner.

The 3" midrange speaker comes with treated paper cone and Neodymium magnet.

CONTENT

The complete set includes:

- 2 Midrange with specially coated paper cone
- Owner's manual

SPECIFICATIONS

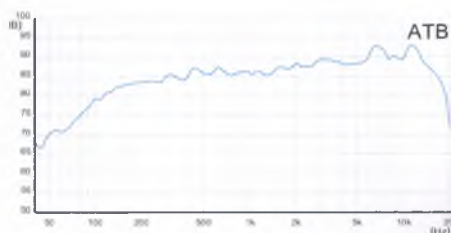
Woofer	(inch)	3.0
Impedance	(Ohm)	4
Nominal Power *	(Watt)	50
Peak Power	(Watt)	75
Frequency Response	(Hz)	90 - 15k
Sensitivity	(dB, 1W/1m)	87
Mounting Depth	(mm)	36.1
Outside Diameter	(mm)	82
Mounting Diameter	(mm)	71

*Filter: 2. order HP Butterworth, 300Hz

Speaker Specification

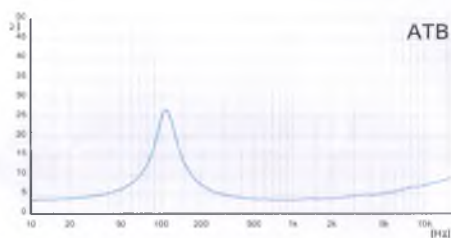
DC resistance	Re	3.4	Ω
Nominal impedance	Zn	4	Ω
Voice coil inductance	Le	0.10	mH
Voice coil diameter		25	mm
Voice coil height		5,0	mm
Height of gap		3.0	mm
Linear excursion		± 1	mm
Max. mech. excursion		± 4	mm

Frequency response [1W/1m]



Resonance frequency	fs	110	Hz
Mechanical Q factor	Qms	3.00	
Electrical Q factor	Qes	0.43	
Total Q factor	Qt	0.38	

Impedance



Moving mass	Mms	3.2	g
Effective piston area	Sd	35	cm ²
Mechanical Resistance	Rms	0.74	kg/s
Compliance	Cms	0.65	mm/N
Force factor	Bl	4.20	Tm
Equivalent volume	Vas	1.12	dm ³
Efficiency		0.33	%
SPL 1W/1m		87	dB
SPL 2,83V/1m		91	dB

Harmonic Distortion [1W/1m]

