



**DEGO**

*Definition of Sound*

HIGH TECH ALUMINIUM CONE DRIVER

Owner's manual for the Woofer set

SP 650MW

SPACELINE SERIES

Designed by German engineers, manufactured in Germany

## GENERAL INFORMATION

Congratulations!

You have just purchased a DEGO Midwoofer set made in Germany by Ehmann & Partner.

The midwoofer features a special high-tech aluminium cone.

## CONTENT

The complete set includes:

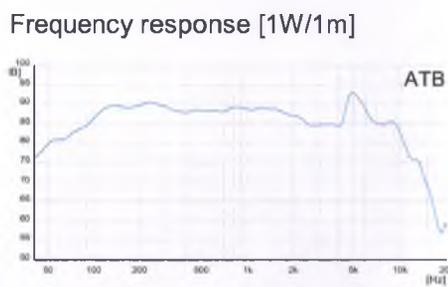
- 2 midwoofers with HIGH TECH aluminium cone
- Owner's manual

## SPECIFICATIONS

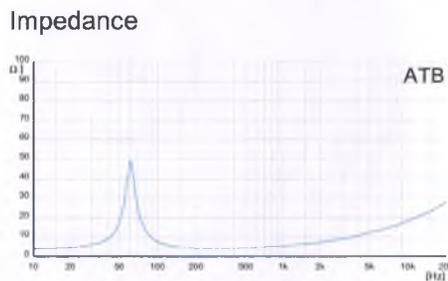
Woofer	(inch)	6.5
Impedance	(Ohm)	4
Nominal Power	(Watt)	100
Peak Power	(Watt)	120
Frequency Response	(Hz)	50 - 12k
Sensitivity	(dB, 1W/1m)	89
Mounting Depth	(mm)	66.5
Outside Diameter	(mm)	166
Mounting Diameter	(mm)	142

## Speaker Specification

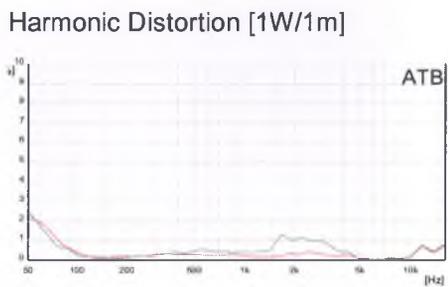
DC resistance	Re	3.4	$\Omega$
Nominal impedance	Zn	4	$\Omega$
Voice coil inductance	Le	0.30	mH
Voice coil diameter		37	mm
Voice coil height		12	mm
Height of gap		6	mm
Linear excursion		$\pm 3$	mm
Max. mech. excursion		$\pm 10$	mm

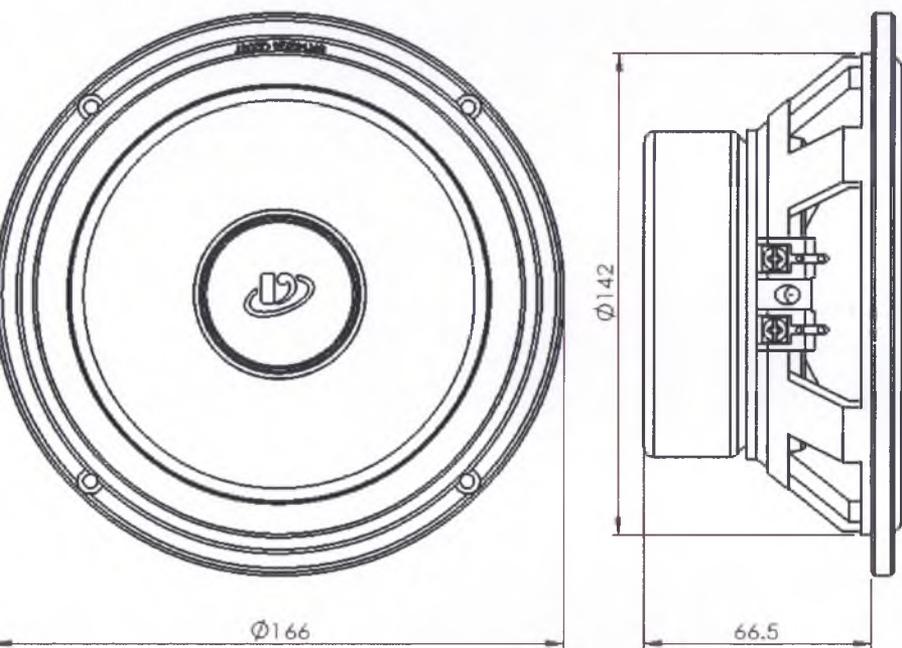


Resonance frequency	fs	61	Hz
Mechanical Q factor	Qms	8.00	
Electrical Q factor	Qes	0.53	
Total Q factor	Qt	0.50	



Moving mass	Mms	14.8	g
Effective piston area	Sd	135	cm <sup>2</sup>
Mechanical Resistance	Rms	0.7	kg/s
Compliance	Cms	0.44	mm/N
Force factor	Bl	6.6	Tm
Equivalent volume	Vas	11.3	dm <sup>3</sup>
Efficiency		0.50	%
SPL 1W/1m		89	dB
SPL 2,83V/1m		93	dB





Woofer drawing