DYNAUDIO
AUTHENTIC FIDELITY

Dynaudio Esotec - Technical Specifications Woofer MW 162
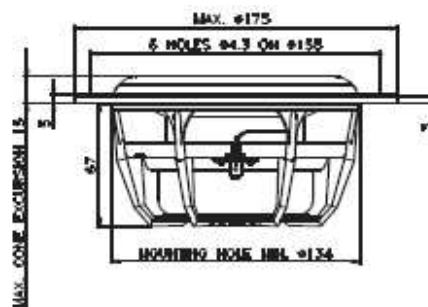
Thiele Small Parameters		
Nominal impedance	Znom	4 Ω
DC resistance	Re	3.1 Ω
Voice coil inductance	Le	0.22 mH
Resonance frequency	fs	55 Hz
Mechanical Q factor	Qms	2.2
Electrical Q factor	Qes	0.57
Total Q factor	Qts	0.45
Mechanical resistance	Rms	2.7 kg/s
Moving mass (incl. air load)	Mms	17.4 g
Suspension compliance	Cms	0.48 mm/N
Effective cone diameter	d	124 mm
Effective piston area	Sd	120 cm²
Equivalent volume	Vas	9.8 l
Force factor	Bl	5.7 Tm
Recommended frequency range		40 - 4000 Hz

Magnet and Voice Coil Properties		
Voice coil diameter	dc	75 mm
Voice coil height	hc	10.9 mm
Linear excursion, peak to peak		6 mm
Max. excursion, peak to peak		17 mm

Power Handling		
Nominal long term IEC (Depending on crossover)	120 W	
Transient (10 ms)	1000 W	

Mechanical Properties		
Net weight	1.2 kg	
Overall dimension	ø 175 x 77 mm	
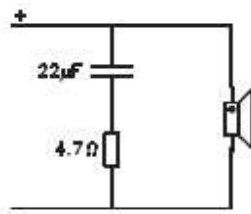
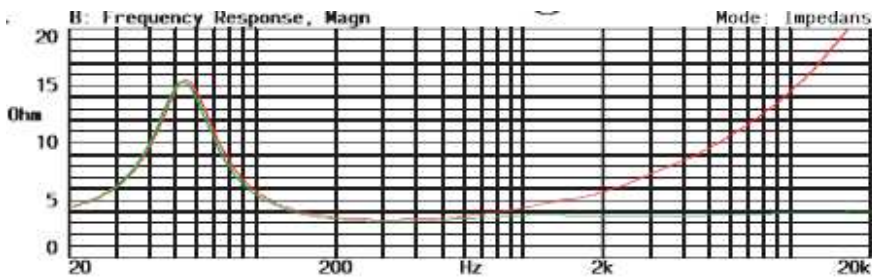Typical impedance correction for MW 162
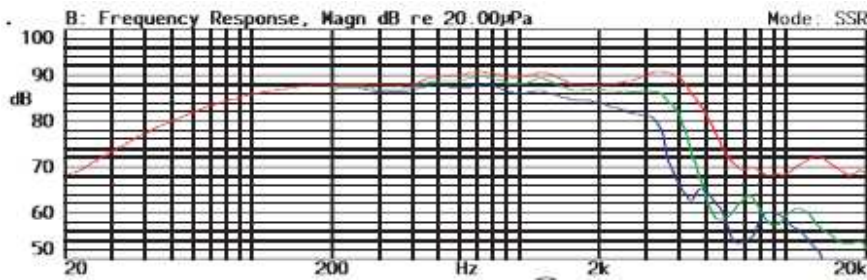
DSP

(Frequency response: on-axis, 30° and 60° off-axis)

Red line: on-axis response
Green line: 30° horizontal
Blue line: 60° horizontal

Measurement conditions:
Level: 2.83 V
Distance: 1 m
Box volume: 15.6 l

Impedance

(with and without impedance correction circuit)

Thick line: impedance, free air
Thin line: impedance, free air with compensation.

Measurement conditions:
Level: 2 V, 10 ohm

Driver in free air

Facts

Diaphragm and dust cap moulded as one piece
Large 75 mm voice coil ensures high power handling
Internal double magnet system with vented pole piece
Aluminium voice coil wire provides for a low moving mass
Rigid die-cast chassis with aerodynamically shaped ribs
Materials and parameters are optimized for the harsh environmental conditions in a car
Smooth high-frequency roll-off
Natural midrange reproduction

All specifications subject to change without notice