


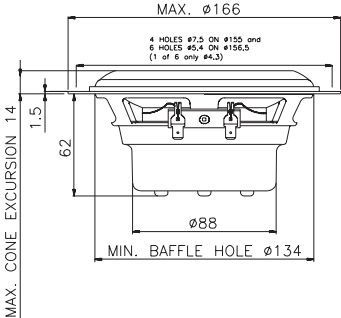
Woofer
Esotec MW 162 GT

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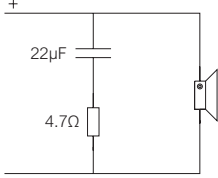
The new Esotec MW 162 GT is a smaller version of the MW 162 mid/bass driver, also a 17 cm (6.5 inch) diameter design with a 75 mm (3 inch) voice coil, housed in a slightly more compact yet rigid stamped steel basket to better allow it to fit into a wider range of drop-in factory automobile loudspeaker locations.


This is especially helpful in minimizing labor by eliminating otherwise necessary vehicle modifications during installations where space is limited. The Esotec mobile loudspeaker woofers all use glued and thermally bonded styrene butadiene rubber surrounds, which ensure excellent control and reliability, while providing added durability against the elements.

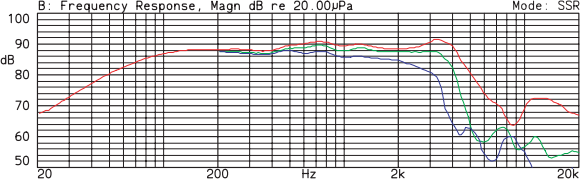
For more dynamic power delivery in the bass region, the 15, 17 and 20 cm diameter Esotec mid/bass drivers employ Dynaudio's traditional double-magnet motor system while featuring new, upgraded high-density ultra-compressed Ferrite magnets. The new magnet systems provide an extremely controlled and incredibly precise movement of the voice coil. The result is improved dynamics and greater fidelity to the original music signal. Dramatic musical passages are thus reproduced accurately and without compromise. And with increased cone excursion, even the most powerful transients are delivered without compression.

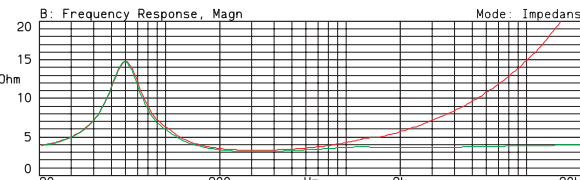
Thiele Small Parameters		
Nominal impedance	Znom	4 Ω
DC resistance	Re	3.0 Ω
Voice coil inductance	Le	0.22 mH
Resonance frequency	fs	60 Hz
Mechanical Q factor	Qms	2.1
Electrical Q factor	Qes	0.63
Total Q factor	Qts	0.48
Mechanical resistance	Rms	3 kg/s
Moving mass (incl. air load)	Mms	16.8 g
Suspension compliance	Cms	0.42 mm/N
Effective dome diameter	d	124 mm
Effective piston area	Sd	120 cm²
Equivalent volume	Vas	8.6 l
Force factor	BL	5.5 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		120 W
Transient (10 ms)		1000 W
Mechanical Properties		
Net weight		1.1 kg
Overall dimension		ø 166 x 71 mm

Impedance compensation circuit
 





B: Frequency Response, Magn dB re 20.00µPa  
 Mode: SSR  
 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



B: Frequency Response, Magn  
 Mode: Impedans  
 Red line: impedance, free air  
 Green line: impedance, free air with compensation  
 Measurement conditions:  
 Level: 2 V, 10 ohms  
 Driver in free air

**SPL**  
 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

**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  
 Materials and parameters are optimized for the harsh environmental conditions in a car  
 Smooth high-frequency roll-off  
 Natural midrange reproduction