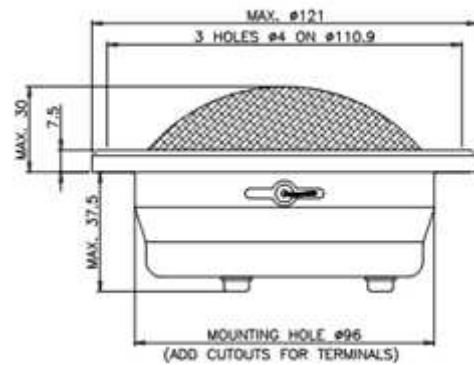


Dynaudio Esotec - Technical Specifications MD 142 Soft Dome Midrange



Thiele Small Parameters

Nominal impedance	Z _{nom}	8 Ω
DC resistance	R _e	5.3 Ω
Voice coil inductance	L _e	mH
Resonance frequency	f _s	475 Hz
Mechanical Q factor	Q _{ms}	-
Electrical Q factor	Q _{es}	-
Total Q factor	Q _{ts}	-
Mechanical resistance	R _{ms}	-kg/s
Moving mass (incl. air load)	M _{ms}	-g
Suspension compliance	C _{ms}	-mm/N
Effective dome diameter	d	-mm
Effective piston area	S _d	52cm ²
Equivalent volume	V _{as}	-l
Force factor	Bl	-Tm
Recommended frequency range		700 - 6000 Hz

Magnet and Voice Coil Properties

Voice coil diameter	dc	75 mm
Voice coil height	hc	5.5 mm
Voice coil layers	nc	2
Magnetic gap height	hg	3 mm
Linear excursion, peak to peak		2.5 mm
Max. excursion, peak to peak		5 mm
Magnet weight	w _m	0.24 kg

Power Handling

Nominal long term IEC (Depending on	100 W
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crossover)

Transient (10 ms)

1000 W

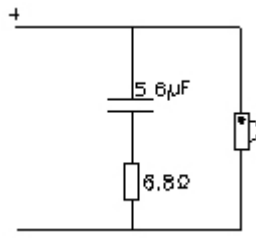
Mechanical Properties

Net weight

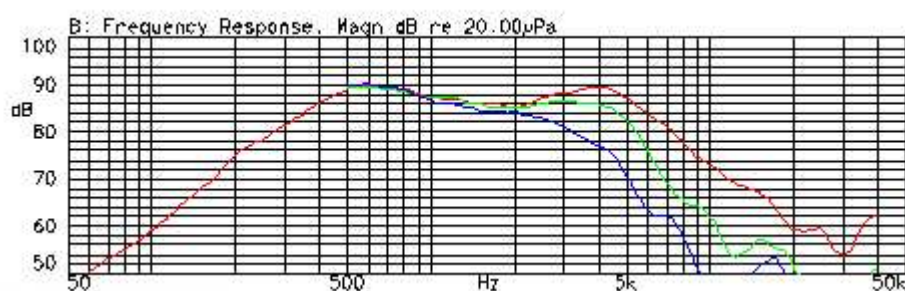
0.75 kg

Overall dimension

ø 121 x 66 mm



Typical impedance correction for MD 142



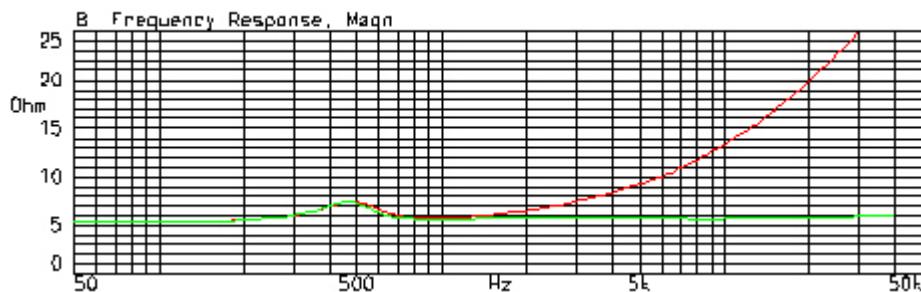
DSP

(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

Measured in a large baffle



Impedance

(with and without impedance correction circuit)

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

Measurement conditions:
Level: 3.16 V, 50 ohm

Driver in free air

Facts

- Coated textile dome
- Large 75 mm voice coil ensures high power handling and low compression
- Internal magnet structure with vented pole piece
- Aluminium voice coil wire results in a low moving mass
- Shallow mounting depth
- Integrated protective grille
- Ferrofluid adds damping and increases power handling

All specifications subject to change without notice

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