



Jordan Eikona technical specifications



The Eikona features:

- unique Controflex™ alloy cone
- refined, carefully-balanced performance parameters
- wide bandwidth performance from small enclosures
- no requirement for crossovers or tweeters
- natural-sounding high frequency response
- excellent low frequency performance in appropriate enclosure
- dependable, high-quality components and manufacture
- a circular, die-cast chassis for ease of mounting

Units are supplied in pairs and foam mounting gaskets are provided.

Full technical details of the Jordan Eikona full-range drive unit are shown below. Click on the images for a larger version.

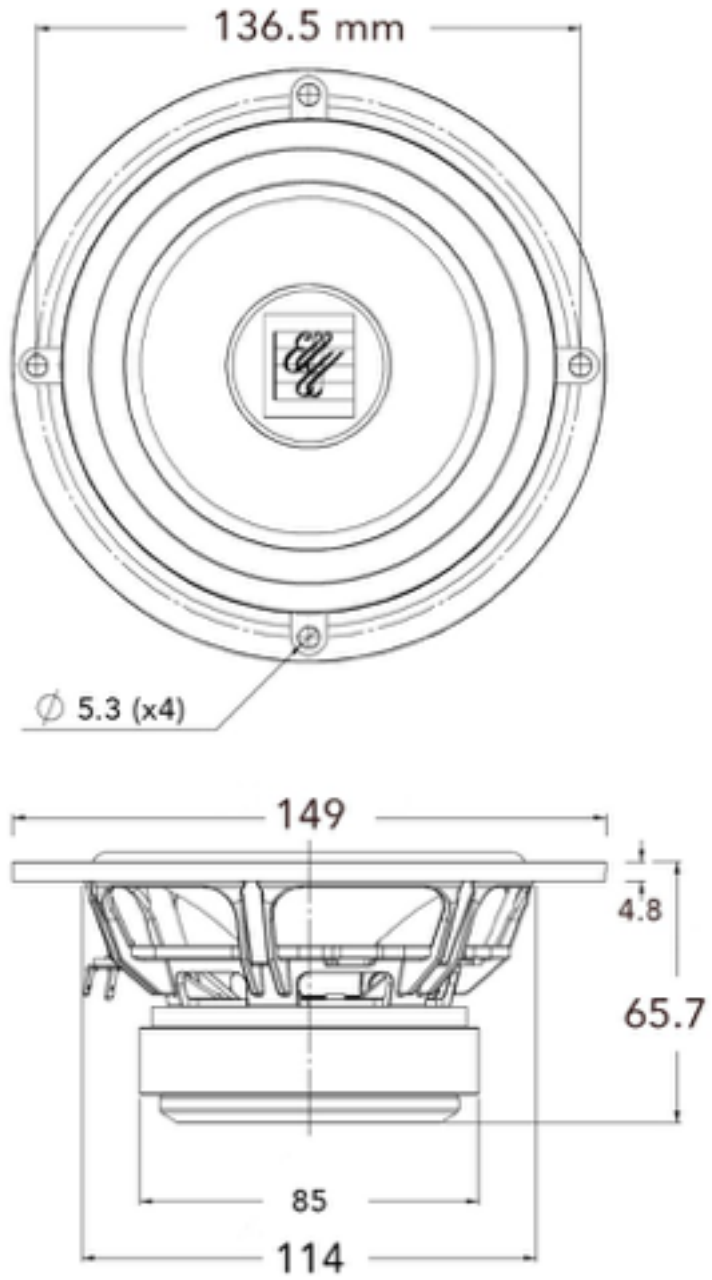
DIY cabinet plans are available for the Eikona and range from small, reflex enclosures to advanced transmission line designs. Many of our customers' projects are featured on our [blog](#). Don't hesitate to contact us if you have any questions about building loudspeakers with our Eikona drive unit – we are always happy to advise.

Loudspeaker cabinet plans

Eikona FAQ

Eikona Chassis size

(click for larger image)

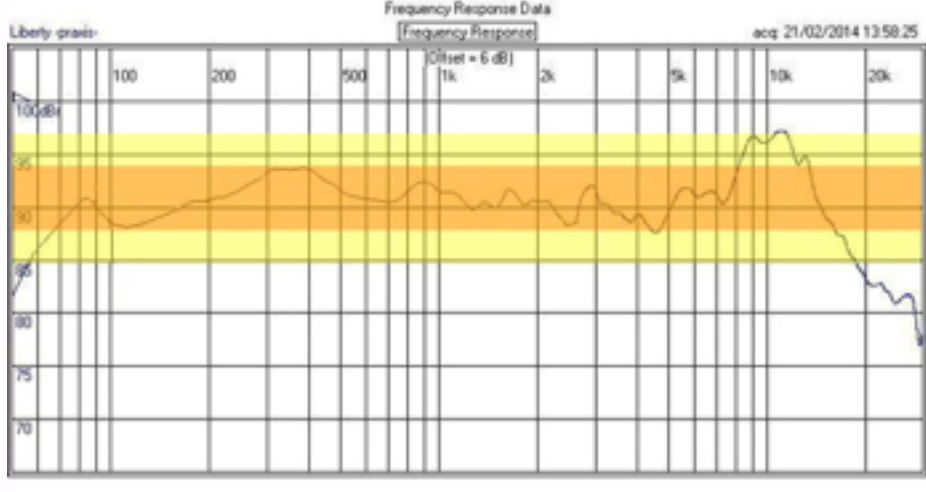


Eikona measured parameters

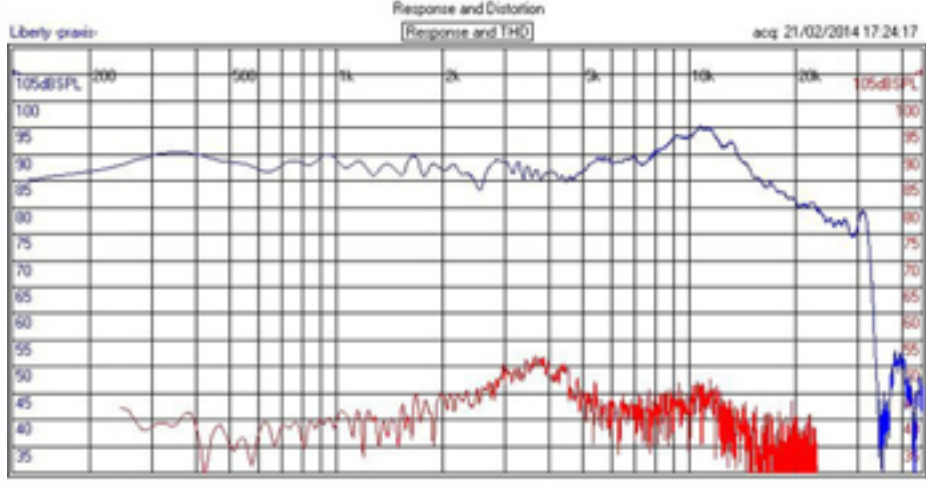
cone dia	100	mm
cone area	78.54	cm2
Zn	8.0	ohms, nominal impedance
Qms	2.816	mechanical Q
Qes	0.407	electrical Q
Qts	0.355	total Q
Fs	43	Hz, free air resonance
Re	6.0	ohms, DC resistance
Zo	46	ohms, maximum impedance
Ls	285.4	µH, series inductance
Lp	289.4	µH, lossy series inductance
Rp	4.279	ohms, loss across Lp
% shift	39.1	% resonance with box
Vas	10.99	litres, air volume displacement
mms	10.7	grams, effective mass
cms	1.269	m/N, compliance
bl	6.546	T*m, motor strength
n0	209.2	% max efficiency
SPL	85.2	dB, max 1w absorbed
xmax	+/- 5	mm, linear
	+/- 10	mm, maximum
power	50	watts, continuous
	100	watts, peak

Frequency response, on axis:

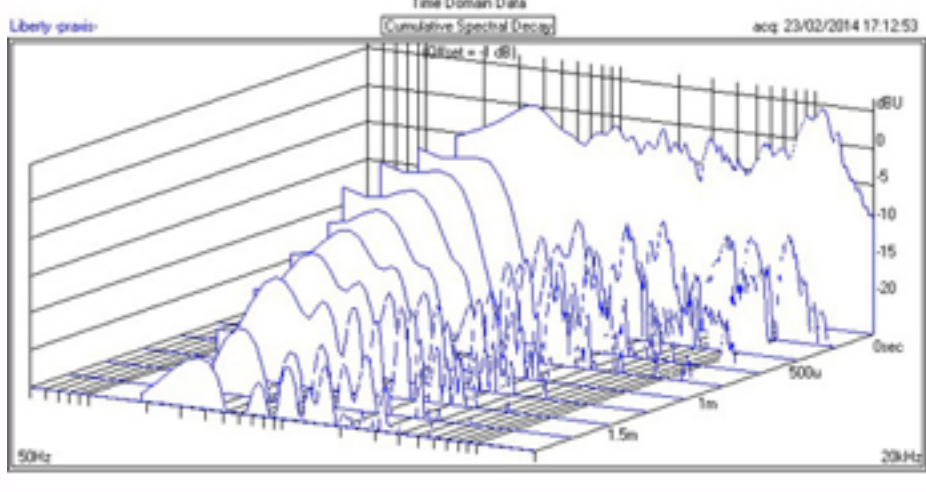
- orange band shows +/- 3 dB limits
- yellow band shows +/- 6 dB limits



Frequency response and distortion on axis



Cumulative spectral decay



Impedance

