



## Specification

### Frequency Response

41 Hz – 30 kHz

### Average Impedance

6  $\Omega$

### Minimum Impedance

3.7  $\Omega$

### Recommended Power

25 - 200 W

### Distortion (120 Hz – 20 kHz)

0.2 %

### Crossover Frequency

2.5 kHz

### Mid Bass / Driver

2 x 165 mm

### High Frequency Unit

28 mm

### Size (W x H x D)

400 x 1150 x 350 mm

### Weight

42 kg

Links are provided to  
adjust the high frequency

+ or - 0.5 dB.



Explore the Concept 500

[www.qacoustics.co.uk/concept500](http://www.qacoustics.co.uk/concept500)



[www.qacoustics.co.uk](http://www.qacoustics.co.uk)

Q Acoustics  
Stortford Hall Industrial Park  
Dunmow Road  
Bishop's Stortford  
Hertfordshire CM23 5GZ

Tel: +44 (0)1279 501111  
Fax: +44 (0)1279 501080  
[www.armorhome.co.uk](http://www.armorhome.co.uk)  
[info@armorhome.co.uk](mailto:info@armorhome.co.uk)

ZB0239B

Our policy is one of continuous product improvement, we reserve the right to change the designs and specifications without notice. All information is given in good faith. The manufacturer accepts no responsibility for errors, omissions or incorrect assumptions. Armour Home Electronics 2017. E&OE.

Issue 2



ACOUSTICS

Concept 500



## EVOLUTION REFINEMENT PERFECTION

Founded in 2006, Q Acoustics quickly built a reputation for designing and manufacturing class-leading loudspeakers. Concept 500 is the culmination of Q Acoustics continual evolution and refinement resulting in what we believe is sonic perfection.

Designed to appeal to discerning audiophiles, the Concept 500 achieves a perfect balance between art and science. It is a loudspeaker that is at once, stylish, contemporary, fine-sounding and astonishingly accurate. It couples low directivity with wide bandwidth, good sensitivity and sensible impedance. This makes the new Concept 500 both room-friendly and an easy load to drive, allowing amplifiers to deliver their best performance.

To create a stereo soundstage which gives as good an impression of width, depth and height as that found in a live performance requires high quality drive units, a well designed crossover and an accurately constructed cabinet. To achieve this, Q Acoustics formed a truly talented team with many years of experience in the design, engineering and manufacture of world-class loudspeakers. A combination that resulted in a state-of-the-art loudspeaker worthy of any high-end system.

The objective of any good Hi-Fi system is to reproduce a convincing live performance in the comfort of your home.

The Concept 500 adopts some of the most advanced and innovative technologies to deliver pure audio excellence and a sensational sound stage.

Neutral, powerful and dynamic.



The Concept 500 delivers a deep and focused soundstage and a clear, uncoloured performance. A combination of unique and patented technology has been applied to ensure an exceptional delivery of sound.

## Crossover

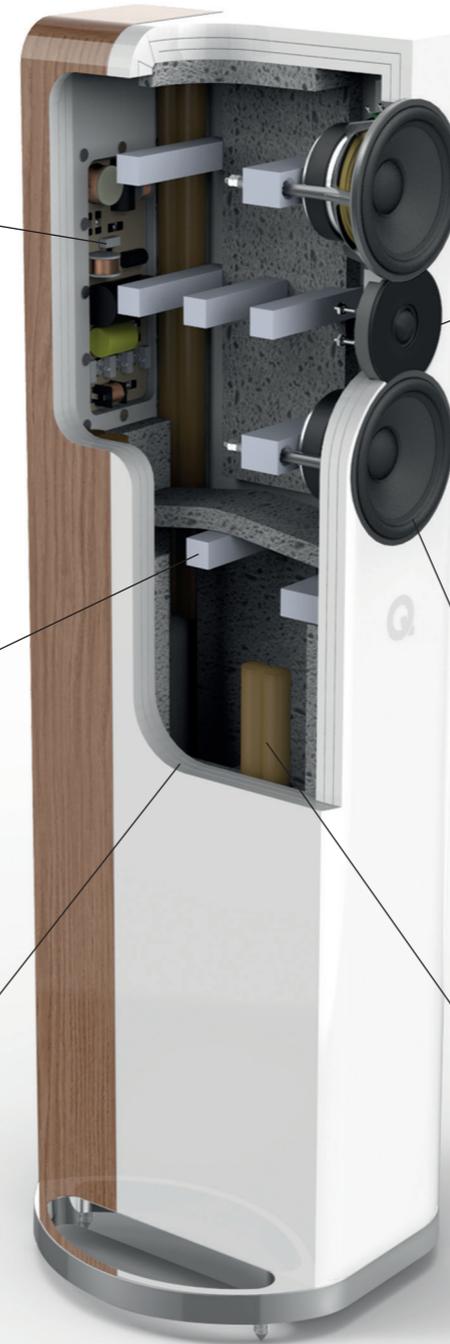
Great care has been taken in both the design of the crossover and the selection of high grade components, to introduce virtually zero noise and distortion. The 4th-order Linkwitz-Riley topology which gives an excellent response both on and off-axis.

## Cabinet Bracing

A method, known as P2P™ (Point to Point) bracing, supports the parts of the cabinet that need to be stiffened to deal with low frequency panel vibrations.

## Cabinet Walls

Constructed in three separate layers and filled under pressure with a non-setting gel, this damps the cabinet walls and converts higher frequency vibrations into heat.



## High Frequency Driver

Mechanically decoupled mounting which effectively isolates the HF driver and speaker cabinet from reciprocal vibrations that would otherwise be transmitted between them.



## Mid/Bass Drivers

The Mid/Bass voice coil has an uncommonly large diameter of 35mm which allows increased 'shove' and higher power handling - as well as reducing compression.

## Pressure Equalisers

Tall loudspeakers tend to suffer from resonances caused by unwanted pressure gradients. Specially designed Helmholtz Pressure Equalisers (HPE™) balance out these pressure irregularities.



## Terminals and Rear Access Panel

The rear access panel has been constructed to maintain the integrity of the Dual Gelcore™ cabinet. The Concept 500 is equipped for bi-wiring or bi-amping with terminals which can accept bare wires, spades or 4 mm banana plugs.



## Cabinet Plinth

The cast aluminium base of the Concept 500 is designed without large flat areas or additional adornments to discourage unwanted acoustic reflections. The resulting elegant design is underpinned with a choice of carefully engineered feet to immovably couple the loudspeaker to any surface.

The Concept 500 has retained Q Acoustics contemporary, clean and inimitable look.

To complement the high end performance, the Concept 500 seamlessly blends a modern solid colour, high-gloss front with contrasting traditional Italian real- wood veneer, which subtly distinguishes Concept 500 as a truly iconic design.



Concept 500 is the embodiment of elegant design, compatible with a contemporary living space and not specific to any particular style of interior. The appearance has been pared-back to be as clean looking as possible, with rear-mounted mid / bass drivers keeping the baffle uncluttered and embedded magnets securing the grille so no fixings are visible.

Gloss black or gloss white finishes have each been combined with Italian real-wood veneer, chosen for its consistency in colour and pattern. The veneer is used sparingly in a subtle strip to create a cabinet that is visually light and clean. The white gloss finish has been attractively paired with pale oak and the black gloss with deep rosewood. Multiple coats of lacquer have then been added to give a deep piano gloss finish.



**Explore the Concept 500**

[www.qacoustics.co.uk/concept500](http://www.qacoustics.co.uk/concept500)

