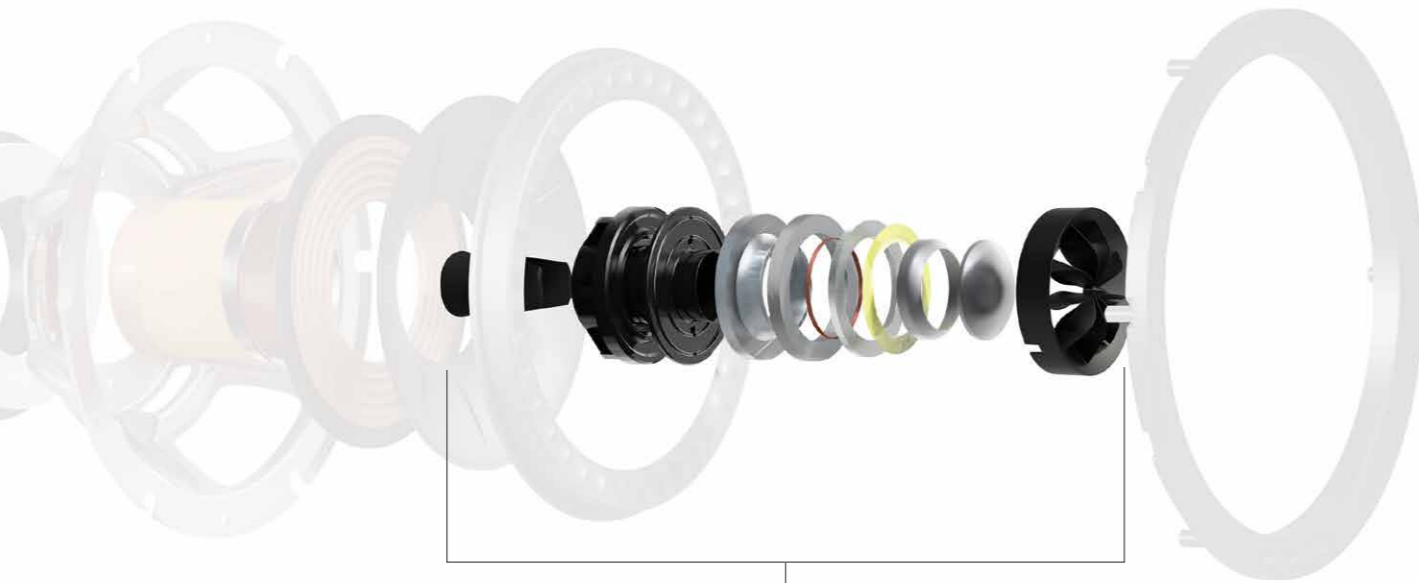
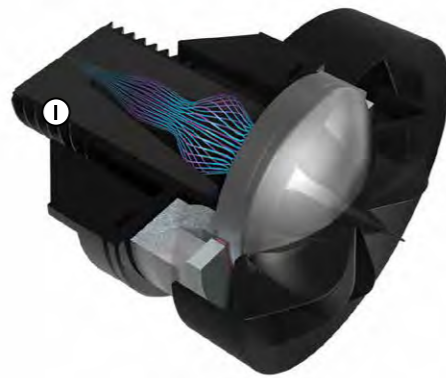


Q SERIES

Tweaking the tweeter



Tweeter assembly



After careful consideration and much debate we modified aspects of the Uni-Q driver array that is the centrepiece of Q Series speakers. The decisions of our engineers were informed by computational modelling, followed by many hours of exhaustive laboratory testing under stringent conditions.

Refinements to this generation of Uni-Q driver include a damped tweeter loading tube and a cone neck de-coupler. The cone neck de-coupler reduces output in the cone breakup region to improve high frequency performance.

The cone return has been removed to further improve breakup behaviour by reducing mass at the cone edge.

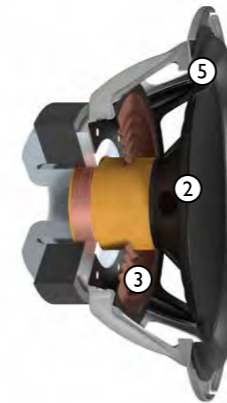
- ① **Damped tweeter loading tube** – This reduces any harshness in the lower treble frequencies by more gently terminating the sound produced from the rear.

A word about drums and bass

There's a magnetism in the lower tones. Few can resist the call of a primeval beat echoing from the dawn of humanity. For sheer gut-thumping energy, Q Series speakers will not disappoint. However there's more to bass than raw power: Much more.

The Q Series faithfully reproduces the subtleties of powerful bass instruments. Feel the twangy grunt of a round-wound bass guitar string thumped with a plectrum, the baritone bounce of a kettledrum, the multidimensional majesty of Bach blasted through a massive pipe organ. The nuances of these glories are emphasised with the beefier roll surrounds of the low frequency drivers and ABRs (Auxiliary Bass Radiators).

Low frequency driver



- ② **Cone structure** – This innovation reduces cone breakup and improves midrange performance.
- ③ **Suspension** – Optimised design allows more movement, better controlled excursion and lower distortion.

Auxiliary Bass Radiator



- ④ **Rubber suspension** – Superior to fabric, the new rubber rear suspension allows greater ABR excursion and a lower tuning frequency so that the speaker can play deeper and louder.
- ⑤ **Roll surround** – A larger roll surround allows a longer throw with less distortion at high sound pressure levels.

A rhapsody in ebony and ivory

Understanding that our products will be in use for many years, and very likely decades, KEF designers seek longevity in style. The sculpted Q Series finish epitomises our approach with seamless, sleek cabinets unblemished by visible fittings and joins.

Q Series speakers are coated with a fine satin finish in black or white with matching driver colours. Should you wish to conceal the drivers, optional magnetically attached speaker grilles are available. Wall mounting kits are a further option for the bookshelf models.



Specifications



Model	Q150	Q350	Q650c
Design	Two-way bass reflex	Two-way bass reflex	Two and a half-way bass reflex
Drive units	130mm (5.25in.) aluminium Uni-Q 25mm (1in.) vented aluminium dome HF	165mm (6.5in.) aluminium Uni-Q 25mm (1in.) vented aluminium dome HF	165mm (6.5in.) aluminium Uni-Q 25mm (1in.) vented aluminium dome HF 165mm (6.5in.) aluminium LF 165mm (6.5in.) aluminium ABR
Frequency range free field (-6dB)	47Hz	42Hz	55Hz
Frequency response (±3dB)	51Hz - 28kHz	63Hz - 28kHz	64Hz - 28kHz
Crossover frequency	2.5kHz	2.5kHz	2.5kHz
Amplifier requirements	10 - 100 W	15 - 120 W	15 - 150 W
Sensitivity (2.83V/1m)	86dB	87dB	87dB
Maximum output	108dB	110dB	110dB
Nominal impedance	8Ω (min.3.7Ω)	8Ω (min.3.7Ω)	8Ω (min.4.2Ω)
Weight *	5.6kg (12.3 lbs)	7.6kg (16.8 lbs)	13.6kg (30 lbs)
Dimension (H x W x D) *	303 x 180 x 278 mm	358 x 210 x 306 mm	210 x 629 x 304 mm
Dimension (H x W x D) with rubber feet *	307 x 180 x 278 mm	362 x 210 x 306 mm	214 x 629 x 304 mm
Colour	Black / White	Black / White	Black / White



Accessories	Q150 Black Cloth Grille	Q350 Black Cloth Grille	Q650c Black Cloth Grille
Weight	0.15kg (0.33 lbs)	0.2kg (0.44 lbs)	0.4kg (0.88 lbs)
Dimension (H x W x D)	274 x 173 x 9 mm	330 x 200 x 10 mm	617 x 202 x 9 mm
Colour	Black	Black	Black



Model	Q550	Q750	Q950
Design	Two and a half-way bass reflex	Two and a half-way bass reflex	Two and a half-way bass reflex
Drive units	130mm (5.25in.) aluminium Uni-Q 25mm (1in.) vented aluminium dome HF 130mm (5.25in.) aluminium LF 2 x 130mm (5.25in.) aluminium ABR	165mm (6.5in.) aluminium Uni-Q 25mm (1in.) vented aluminium dome HF 165mm (6.5in.) aluminium LF 2 x 165mm (6.5in.) aluminium ABR	200mm (8in.) aluminium Uni-Q 38mm (1.5in.) vented aluminium dome HF 200mm (8in.) aluminium LF 2 x 200mm (8in.) aluminium ABR
Frequency range free field (-6dB)	45Hz	42Hz	38Hz
Frequency response (±3dB)	58Hz - 28kHz	48Hz - 28kHz	44Hz - 28kHz
Crossover frequency	2.5kHz	2.5kHz	2.2kHz
Amplifier requirements	15 - 130 W	15 - 150 W	15 - 200 W
Sensitivity (2.83V/1m)	87dB	88dB	91dB
Maximum output	110dB	111dB	113dB
Nominal impedance	8Ω (min.3.5Ω)	8Ω (min.3.8Ω)	8Ω (min.3.2Ω)
Weight *	14.5kg (32 lbs)	16.5kg (36.4 lbs)	20.6kg (45.4 lbs)
Dimension (H x W x D) *	873 x 180 x 278 mm	923 x 210 x 306 mm	1062 x 244 x 328 mm
Dimension (H x W x D) with plinth *	926 x 299 x 310 mm	977 x 323 x 310 mm	1116 x 357 x 328 mm
Colour	Black / White	Black / White	Black / White



Accessories	Q550 Black Cloth Grille	Q750 Black Cloth Grille	Q950 Black Cloth Grille
Weight	0.5kg (1.1 lbs)	0.6kg (1.32 lbs)	0.8kg (1.76 lbs)
Dimension (H x W x D)	845 x 174 x 13 mm	898 x 204 x 10 mm	1035 x 236 x 10 mm
Colour	Black	Black	Black

* Measurement per unit