



C15, C25, C35, C45, C55  
C65, C75, C85, C200SW

## C15, C25, C35, C45, C55, C65, C75, C85, C95, C200SW

1988 saw the first use of Uni-Q technology in the C-Series.

### C15 (1988-91)

Small enough to hold in the palm of your hand, the C15 was more than capable of producing a satisfying, full range sound. Incorporating a new 110mm (5.25 inch) polymer cone bass/midrange unit and 19mm (0.75 inch) metal dome tweeter, as KEF's entry level miniature speaker it had a heritage extending back to the celebrated Cresta of the 1960s.

### C25 (1988-91)

KEF had been at the forefront in eliciting superb sound from tiny loudspeakers since the days of the first 'mini-monitor'. The C25 was a new expression of this great tradition. Bass was provided by KEF's new B160, a 160mm (6.5 inch) cone driver with lightweight polymer diaphragm. This bass unit plus the new 19mm (0.75 inch) tweeter produced impressive volume levels, good bass extension and uncommon accuracy. C25 was a logical choice for music lovers assembling their first high-quality audio system.

### C35 (1988-91)

C35 was a bookshelf two-way system using the new 200\_19 format Uni-Q: incorporating a 200mm (8 inch) polymer cone bass/midrange unit with a 19mm (0.75 inch) fabric dome tweeter.

It is ironic that the sound of most bookshelf speakers changes when they are placed on their side, as so many bookshelves dictate. This is due to the speaker's asymmetrical dispersion. Thanks to KEF's new Uni-Q array the C35 achieves symmetrical dispersion both horizontally and vertically making it ideally suited to this application. In either orientation, the result is superior stereo sound throughout the listening room.

### C55 (1988-91)

The C55 combined the type 200\_19 Uni-Q array with a 200mm passive radiator in a compact two-way system with bass extension to 48Hz (-6dB). Mounted in matched die-cast housings, the passive radiator and Uni-Q array were covered by a clip on injection-moulded grille specially profiled to minimize 'tunnel' effects. Whilst small enough for bookshelf mounting, the C55 would perform equally well on dedicated stands. The symmetrical dispersion of the Uni-Q array means that mounting orientation, horizontal or vertical, is not critical to the sound – so the user has increased flexibility with installation.

### C75 (1988-91)

In the C75 and 95 the Uni-Q array is a type 200\_25 - comprising a 200mm (8inch) polymer cone midrange and a coincident mounted 25mm (1 inch) soft dome tweeter. In the C75 this is crossed over to a closed box loaded bass driver to create a floor-standing three way system where the traditional KEF clean and extended bass is matched to the uniform and symmetrical dispersion of the new Uni-Q array.

### C95 (1988-91)

In the C75 and 95 the Uni-Q array is a type 200\_25 - comprising a 200mm (8inch) polymer cone midrange and a coincident mounted 25mm (1 inch) soft dome tweeter. The woofer and tweeter not only share the same axis, but also have their acoustic centres in the same plane. And, as both units have similar directivity in the crossover region, you experience pin-point stereo imaging with reduced tonal colouration throughout a broader area of your listening room.

From the award winning Reference Model 104/2 the C95 inherits coupled cavity bass loading which allows the efficiency of a reflex system with the superior transient behaviour of a closed box. The addition of conjugate load matching provides the amplifier with a pure resistive load with subsequent benefits in ease of drive and in exploiting the full power output of the amplifier.

### C200SW (1989-91)

The C200SW was a passive stereo subwoofer system designed specifically to operate with the C-Series models C15 and C25. Two matched enclosures derive their power for the existing amplifier – no additional amplification is required.

Combining the C200SW with either the C15 or C25 produces a full-range three-way system with bass response extending down to nearly 35Hz. As the C200SW relieves the C15 and C25 of the need to reproduce the lowest frequencies, the system's overall dynamic capabilities are increased, with improved clarity and definition in the midrange.

### C45 (1990-91)

In 1990, the C45 was added to the C-Series to strengthen and expand the range. It was a two-way closed box system with a 200mm (8inch) bass unit matched with the SPI260 metal dome tweeter.

## C65 (1990-91)

In 1990, the C65 was added to the C-Series to strengthen and expand the range. Based on the C45 drivers and crossover it was a two-way passive radiator system with a 200mm (8inch) bass unit, 200 mm passive radiator, matched with the SP1260 metal dome tweeter.

## C85 (1990-91)

In 1990, the C85 was added to the C-Series to strengthen and expand the range. It was a three-way ported system with a 200mm (8inch) bass driver and a type 200\_25 Uni-Q array.

Specification	C15	C25	C35
<b>System Type</b>	Two-way, bookshelf/stand-mount	Two-way, bookshelf/stand-mount	Two-way, bookshelf/stand-mount
<b>Enclosure type</b>	Closed box	Closed box	Closed box
<b>Size</b>	265 x 180 x 150mm (10.4 x 7.1 x 5.9 inches)	340 x 205 x 175mm (13.4 x 8.1 x 6.9 inches)	376 x 246 x 206mm (14.8 x 9.7 x 8.1 inches)
<b>Weight</b>	3.2kg (7 lb)	4.1kg (9 lb)	4.8kg (10.6 lb)
<b>Nominal Impedance</b>	4ohms	4ohms	4ohms
<b>Rated maximum power</b>	80W programme (into 4 ohms)	110W programme (into 4 ohms)	150W programme (into 4 ohms)
<b>Frequency response</b>	68Hz to 20kHz +/-3dB (-6dB at 57Hz)	65Hz to 20kHz +/-3dB (-6dB at 55Hz)	64Hz to 20kHz +/-3dB (-6dB at 54Hz)
<b>Sensitivity</b>	85dB for a pink noise input of 2.83V (anechoic conditions)	87dB for a pink noise input of 2.83V (anechoic conditions)	88dB for a pink noise input of 2.83V (anechoic conditions)
<b>Maximum output</b>	100dB on programme peaks under typical listening conditions	106dB on programme peaks under typical listening conditions	108dB on programme peaks under typical listening conditions
<b>System</b>	SP3091	SP3092	SP3093
<b>Drive units</b>	B110 bass unit (SP1234), 19mm tweeter (SP1241)	B160 bass unit (SP1235), 19mm tweeter (SP1241)	B200 bass unit (SP1242), NT19 tweeter (SP1239)
<b>Crossover</b>	SP2131	SP2132	SP2133
<b>System</b>	SP3091	SP3092	/
<b>Drive units</b>	B110 bass unit (SP1234), 19mm tweeter (SP1241)	B160 bass unit (SP1235), 19mm tweeter (SP1241)	/
<b>Crossover</b>	SP2144	SP2145	/
<b>System</b>	SP3091	SP3092	/

Drive units	BI10 bass unit (SPI234), 19mm tweeter (SPI254)	BI60 bass unit (SPI235), 19mm tweeter (SPI255)	/
Crossover	SP2144	SP2145	/
New Graphic	/	/	/
System	SP3127	SP3126	/
Drive units	BI10 bass unit (SPI234), 19mm tweeter (SPI254)	BI60 bass unit (SPI235), 19mm tweeter (SPI255)	/
Crossover	SP2144	SP2145	/
System	SP3127	SP3126	/
Drive units	BI10 bass unit (SPI234), 19mm tweeter (SPI241)	BI60 bass unit (SPI235), 19mm tweeter (SPI255)	/
Crossover	SP2144	SP2141	/

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Specification	C55	C75	C95
System Type	Two-way, bookshelf/stand-mount	Three-way, floor standing	Three-way, floor standing
Enclosure type	Passive radiator	Closed Box	Coupled cavity
Size	479 x 246 x 256mm (18.9 x 9.7 x 10.1 inches)	720 x 246 x 256mm (28.4 x 9.7 x 10.1 inches)	870 x 246 x 316mm (34.3 x 9.7 x 12.4 inches)
Weight	7.2kg (15.8 lb)	12.9kg (28.4 lb)	18.9kg (41.6 lb)
Nominal Impedance	4ohms	4ohms	4ohms resistive
Rated maximum power	150W programme (into 4 ohms)	150W programme (into 4 ohms)	250W programme (into 4 ohms)
Frequency response	60Hz to 20kHz +/-3dB (-6dB at 48Hz)	57Hz to 20kHz +/-3dB (-6dB at 47Hz)	50Hz to 20kHz +/-3dB (-6dB at 39Hz)
Sensitivity	90dB for a pink noise input of 2.83V (anechoic conditions)	91dB for a pink noise input of 2.83V (anechoic conditions)	90dB for a pink noise input of 2.83V (anechoic conditions)
Maximum output	109dB on programme peaks under typical listening conditions	112dB on programme peaks under typical listening conditions	112dB on programme peaks under typical listening conditions
System	SP3094	SP3095 (Vinyl finish), SP3096 (veneer)	SP3097
Drive units	B200 bass unit (SPI243), BD200 passive radiator (SPI236), NT19 tweeter (SPI239)	B200 bass unit (SPI237), B200 midrange unit (SPI244), NT25 tweeter (SPI240)	B200 bass unit (SPI238), B200 midrange unit (SPI245) and NT25 tweeter (SPI240)
Crossover	SP2134	SP2135	SP2136, 2137, 2138

Specification	C200SW (each channel)	C45	C65
System Type	Stereo floor-standing passive subwoofer	Two-way bookshelf/stand-mount	Two-way, floor standing
Enclosure type	Coupled cavity	Closed box	Passive radiator
Dimensions (H x W x D)	/	475x280x240mm (18.7 x 11 x 9.5in.)	/
Size	487 x 249 x 249mm (19.25 x 9.75 x 9.75 inches)	/	/
Weight	7.7kg (17 lb)	8.5kg (18.7 lbs)	/
Nominal Impedance	4ohms	/	/
Rated maximum power	150W programme (into 4 ohms)	/	/
Frequency response	40Hz to 120kHz +/-3dB	/	/
Sensitivity	87dB at 1m for a pink noise input of 2.83V (92dB if corner located)	/	/
Maximum output	107dB on programme peaks under typical listening conditions (112dB if corner located)	/	/
System	SP3110	SP3115	SP3120
Drive units	B200 bass unit (SP1238)	B200 bass unit (SP1259), 19mm tweeter (SP1260)	B200 bass unit (SP1259), BD200 passive radiator (SP1266), 19mm tweeter (SP1241)
Crossover	SP2154	SP2158	SP2158
New Graphic	/	/	/
System	/	SP3125	/
Drive units	/	B200 bass unit (SP1259), 19mm tweeter (SP1260)	/
Crossover	/	SP2158	/
System	/	SP3125	/
Drive units	/	B200 bass unit (SP1259), 19mm tweeter (SP1241)	/
Crossover	/	SP2158/	/

Specification	C85
System Type	Three-way, floor standing
Enclosure Type	bass reflex
Dimensions (H x W x D)	880x250x320mm (34.6 x 9.84 x 12.6in.)
Weight	19kg (41.8 lbs)
System	SP3121
Drive units	B200 bass unit (SP1264), B200 midrange unit (SP1267), NT25 tweeter (SP1262)
Crossover	SP2136 and 2168

# KEF C SERIES

C15

C25

C45

C65

C200SW







### Introducing KEF C Series



For close on 30 years, music lovers and audiophiles alike have turned to the KEF C Series when seeking the finest in performance and value. Here KEF, the speaker engineers, present four C Series models which exemplify the most advanced standards of affordable quality and performance.

Metal dome technology, heavy cast chassis, polypropylene diaphragms and computer optimised dividing networks with carefully chosen low-frequency alignments, are features common to all four of these outstanding loudspeakers. Performance of the C15 and C25 can be considerably enhanced by adding the C200SW stereo subwoofer.







**C15.** *Compromised on space? No need to compromise on sound.* Small enough to hold in the palm of your hand, the C15 is more than capable of satisfying, full range sound. There is no compromise on build quality, either. The KEF C15 incorporates 110mm (5") polymer bass cone bass unit with die-cast chassis, 19mm (3/4") metal dome tweeter, and recessed, gold-plated terminals. The tweeter's fluid cooling and the bass unit's high temperature voice coil handle up to 60 watts (programme) and produce listening levels in excess of 100dB.

**C25.** *The latest embodiment of the 'mini-monitor'.* KEF has been at the forefront in eliciting superb sound from tiny loudspeakers since the days of the first 'mini-monitor'. The C25 is a new expression of this great tradition. Bass is provided by KEF's new B160, a 160mm (6 1/2") cone driver with lightweight polymer diaphragm. This bass unit plus the

new 19mm (3/4") metal dome tweeter produce impressive volume levels, good bass extension and uncommon accuracy. The C25 is the ideal choice for music lovers assembling their first high-quality music system.

**C45.** *Superior performance standards in a classic format.* C45 is the latest in a long line of classic 200mm (8") two-way speakers from KEF. Incorporating a number of new technical features, C45 is designed to operate on a shelf or on rigid stands against a wall. When correctly positioned a newly developed third-order shelving alignment results in bass extension down to 38Hz at the -6dB point. With a deep bass capability to below 40Hz and a high sensitivity of 90dB/2.83V/m, the C45 is capable of high output level performance even when used with moderately-powered amplifiers. The newly-designed woofer employs a massive die cast

chassis with resilient six-point fixing, housing a 200mm (8") polypropylene cone with 1 1/4" diameter voice coil wound on a Kapton former, giving the voice coil assembly exceptionally high power handling ability. The tweeter is KEF's proven 19mm metal dome. The peak output capability of 110dB spl is unusually high for such a compact speaker. The C45 cabinet is 18mm (3/4") thick giving strength and superior acoustic properties.

**C65.** *Versatility and performance with style.* C65 is a larger, floor-standing, version of C45. Designed to operate in free space, C65 utilises the same driver components, with the addition of a 200mm (8") passive radiator to reinforce the bass. As on C45, twin gold-plated binding post terminals allow bi-wiring or bi-amplification with provision for five different connector types.

**C200SW.** A passive stereo subwoofer system designed specifically to operate with KEF's compact "C" Series models C15 and C25 loudspeakers. Two matched enclosures derive their power from the existing amplifier. No additional amplification is required.

Compact speaker systems rarely combine efficiency with bass extension. Their maximum output and power handling capability is also restricted. However, they are easy to position and can deliver excellent stereo imaging and detail, with low levels of colouration.

The KEF C200SW allows the owner of the C15 or C25 to retain these virtues but with substantially increased power handling, output capability and bass extension. Each subwoofer enclosure contains a dividing network giving optimum filtering for C15 or C25, with a 200mm (8") bass unit mounted in

single coupled-cavity configuration. This KEF Reference Series development combines the higher efficiency of a vented enclosure with the superior transient response of a sealed box, and with better power handling capacity than either type.

Combining the KEF C200SW with either C15 or C25 produces a full-range 3-way system with bass response extending down to nearly 35Hz. As the C200SW relieves the C15 and C25 of the need to reproduce the lowest frequencies the system's overall dynamic capabilities are increased, with improved clarity and definition in the midrange.

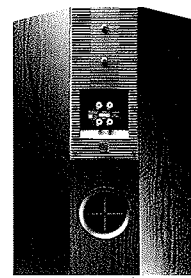
The optional bracket, KB200, allows the satellites to be attached to the subwoofer to make a floor-standing three-way system, or, with the bracket reversed, to be wall-mounted, with the sub-woofer enclosure placed to suit furnishing arrangements.

Conventional wisdom has always held that bass is non-directional. KEF research has shown that important ambience and stereo information can be detected at low frequencies, affecting soundstage width, depth, and overall imaging.

Whereas most subwoofers combine the bass from both channels, the KEF C200SW's separate left and right hand enclosures ensure that stereo information contained in the recording at the lowest frequencies will be reproduced faithfully. The use of separate enclosures also offers great flexibility in positioning the speakers, allowing the C15 or C25 enclosures to be sited for optimum stereo reproduction. The C200SW enclosures can be located according to both space and performance considerations.



## specifications



Model	C15	C25	C45	C65	C200SW
<b>Description</b>	2-way bookshelf	2-way bookshelf	2-way bookshelf/ freestanding	2-way floor-standing	Floor standing coupled- cavity subwoofer
<b>Drive Units</b>	HF: metal dome 19mm (3/4") coil dia fluid cooled  LF: 110mm (5") 32mm (1 1/4") coil dia diecast chassis	HF: metal dome 19mm (3/4") coil dia fluid cooled  LF: 160mm (6.5") 32mm (1 1/4") coil dia diecast chassis	HF: metal dome 19mm (3/4") coil dia fluid cooled  LF: 200mm (8") 32mm (1 1/4") coil dia diecast chassis	HF: metal dome 19mm (3/4") coil dia fluid cooled  LF: 200mm (8") 32mm (1 1/4") coil dia diecast chassis  200mm (8") passive radiator diecast chassis	1 X 200mm (8") LF unit
<b>Frequency Range</b> (See note 1)					
±3 dB	68Hz - 20kHz	65Hz - 20kHz	45Hz - 20kHz	48Hz - 20kHz	40Hz - 120Hz
- 6 dB	57 Hz	55 Hz	38 Hz	43 Hz	
<b>Maximum Output</b> (See note 2)	100 dB	106 dB	110 dB	110 dB	107 dB free-standing - 112 dB maximum if installed in corner
<b>Characteristic sensitivity level</b> (See note 3)	85 dB	87 dB	90 dB	90 dB	87 dB free-standing - 92 dB if installed in corner
<b>Amplifier Requirements</b> (See note 4)					
into 8 ohms	10 - 50W	10 - 70W	10 - 80W	10 - 100W	
into 4 ohms	20 - 80W	20 - 110W	20 - 125W	20 - 150W	20 - 150W
<b>Nominal Impedance</b>	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms
<b>Enclosure Type</b>	Closed Box	Closed Box	Closed Box	Passive radiator	Coupled cavity
<b>Internal Volume</b>	3.5 litres (214 cu. ins.)	6.8 litres (415 cu. ins.)	20 litres (1221 cu. ins.)	30.5 litres (1862 cu. ins.)	18 litres (1100 cu. ins.)
<b>Net Weight</b>	3.2 kg (7.0lb)	4.1 kg (9.0lb)	8.75 kg (19.25 lb)	11.8 kg (26.0lb)	7.7 kg (17lb)
<b>Dimensions</b>	265h x 180w x 150d (mm) 10.4h x 7.1w x 5.9 d (ins.)	340h x 205w x 175d (mm) 14.8h x 8.1w x 6.9 d (ins.)	470h x 280w x 246d (mm) 18.5h x 11.0w x 9.7d (ins.)	725h x 280w x 246d (mm) 28.5h x 11.0w x 9.7d (ins.)	487h x 249w x 249d (mm) 19.2h x 9.8w x 9.8 d (ins.)

Features and specifications subject to change without notice.

### Notes:

1. Measured at 2m on reference axis, C15, C25, C65 freefield conditions, C45 corrected for wall mounting.
2. Maximum spl on programme peaks under typical listening conditions.
3. Measured at 1m on reference axis for pink noise input of 2.83V rms (anechoic conditions).
4. Amplifier requirement figures are intended only as a guide. As a general rule, buy the biggest amplifier you can afford within the specified range and use it with care. It is easier to damage the loudspeaker by using a small amplifier driven into distortion by too much volume with bass and treble boost, than by using a larger amplifier which has power in reserve. If in doubt ask your dealer.

Designed and produced by the Art Department, Cambridge.

Interior photograph: shelves, table, futon and rug supplied by Joshua Taylor Ltd, Cambridge. Uplighters and Botta Quinta chair supplied by Quip, London.



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