Ci3-80QT

Architectural Speaker

Product Overview

The KEF Ci3-80QT is a premium high performance motorised speaker assembly designed for discrete flush mount in-ceiling installations. It features two 75mm low frequency woofers and a coincident point source mid frequency 75mm driver with a high frequency 15mm aluminium dome tweeter mounted in its acoustic centre. This design features KEF's proprietary "sit anywhere" Uni-Q® technology that improves dispersion delivering smooth and consistent sound across a wider listening area. When not in use, the drivers are hidden flush in the ceiling, but when it's time to perform, the assembly motorises down creating a sweeping soundstage with superb imaging. The performance and design characteristics make the KEF Ci3-80QT the ideal choice for discrete home theatre, lecture halls, and conference room applications.

Key Features

KEF "Sit Anywhere" Uni-Q® Technology – This proprietary driver array places the tweeter in the acoustic centre of the woofer delivering wide dispersion with consistent sound characteristics throughout the space. Because the high and low frequencies originate from the same point, acoustic lobing problems common to other speaker designs are virtually eliminated allowing fewer speakers to deliver smooth coverage across a wider listening area.

Paintable Bezel and Grille – The ABS bezel and grille are finished in a UV protective coating that can be painted to match any interior décor.

Quiet Motor Mechanism – The 12 volt motor assembly was specifically engineered to lower and close the speaker without distracting from the ongoing presentation.

Twin Neodymium Magnet Assembly – The Uni-Q mid-bass driver and tweeter utilise a twin neodymium magnet assembly reducing weight and improving enclosure volume while still providing the necessary energy to deliver the high output needed to fill larger rooms.

Architect and Engineer Specifications

The speaker shall be motorised and designed for discrete in-ceiling flush mount installations. It shall utilise two 75mm low frequency woofers plus a 75mm coincident point source mid-bass driver with a 15mm high frequency aluminium tweeter mounted in its acoustic centre.

The speaker's bezel and grille shall be treated with a UV protective coating and be paintable to match any interior décor. The speaker shall include a rear enclosure with a maximum mounting depth of 120mm and a maximum weight of no more than 3.3kg. The speaker shall have a minimum frequency response of 87Hz – 30kHz +/- 6dB.

The nominal impedance of the speaker shall be 8 ohms and it must achieve a minimum pressure sensitivity of 87 dB SPL at 1 meter on-axis with an input of 2.83 volts. The crossover frequency between the low frequency woofer and mid-bass driver shall be 300Hz, and between the mid-bass driver and high frequency tweeter it shall be 3kHz. The speaker shall meet numerous safety and performance standards listed by regulatory bodies around the world.

The speaker shall be the KEF Ci3-80QT.

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Architectural Speaker

Specifications

Model		Ci3-80QT
Series		Q Series
Nominal impedance		8Ω
Sensitivity (2.83V/1m)		87dB
Frequency response (±6dB) open-backed		-
Frequency response (±6dB) with back can / rear enclosure		87Hz - 30kHz
Nominal coverage		170°
Max SPL		102dB
Crossover frequency		300Hz, 3kHz
Drive units	LF	2 x 75mm (3.0in.)
	MF	75mm (3.0in.) Uni-Q
	HF	15mm (0.6in.)
Recommended amplifier power		10 - 100 W
Recommended high-pass filter		100Hz
Product external dimensions (H x W x D)		128 x 377 x 125 mm (5.04 x 14.84 x 4.92 in.)
Cut-out dimensions (H x W)		112 x 354 mm (4.41 x 13.94 in.)
Net Weight		3.3 kg (7.26lbs)
Mounting depth from surface without back can		120mm (4.72in.)

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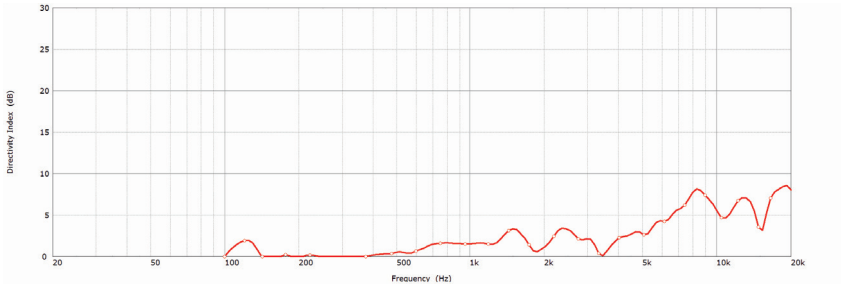
The Ci speakers that utilise THX in the model name have undergone and passed certified THX approval.

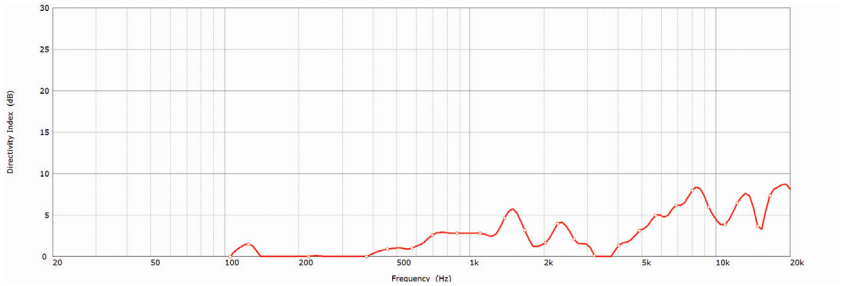
Ci3-80QT

Architectural Speaker

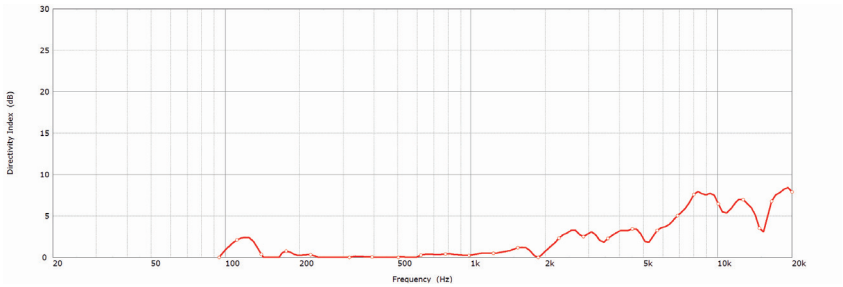
Directivity Index Average



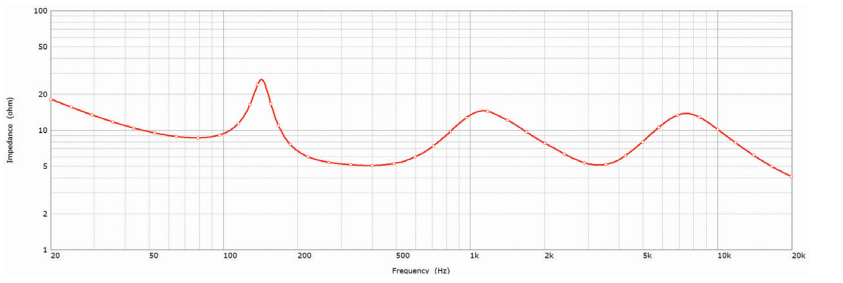
Directivity Index V0



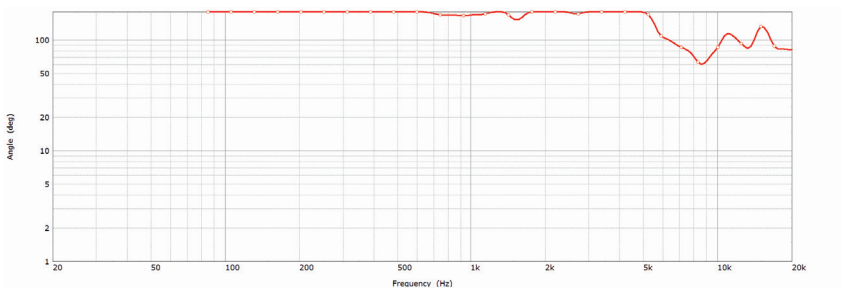
Directivity Index V90



Impedance



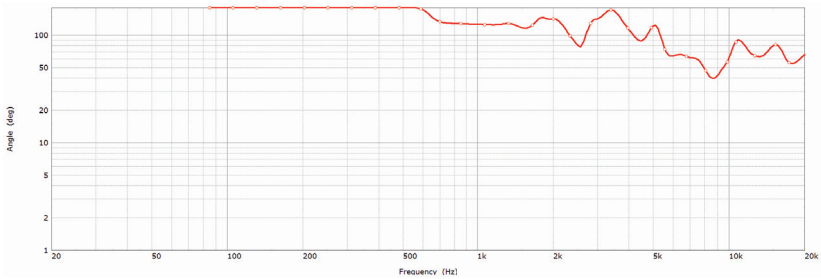
Beamwidth Average -6dB



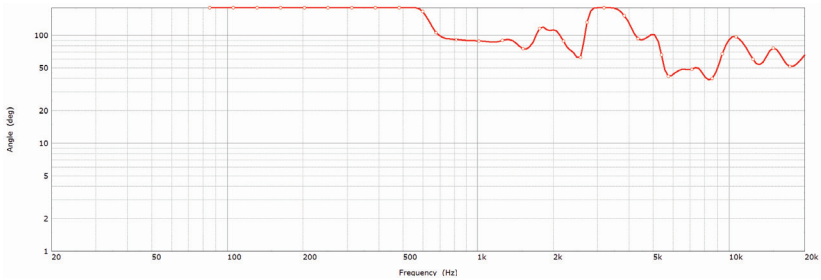
Ci3-80QT

Architectural Speaker

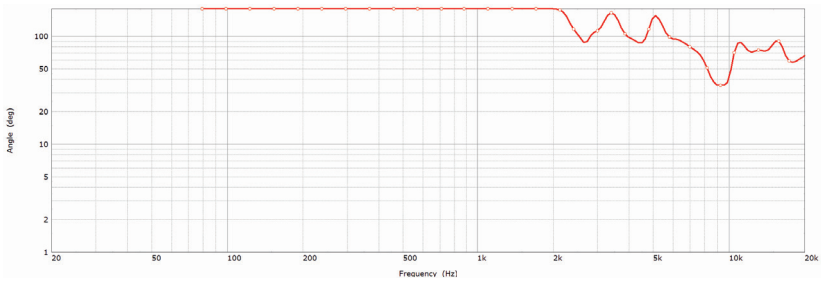
Beamwidth Average



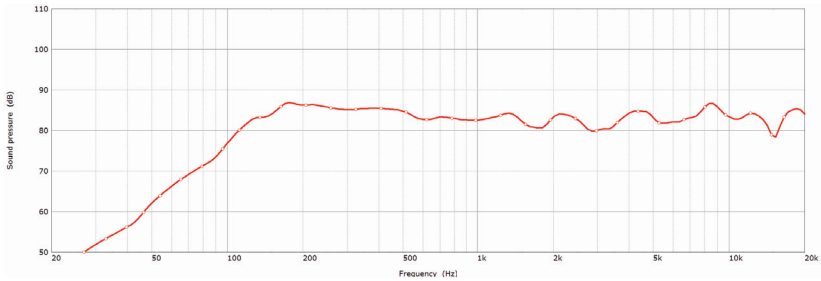
Beamwidth V0



Beamwidth V90



Sensitivity (2.83V/1m)

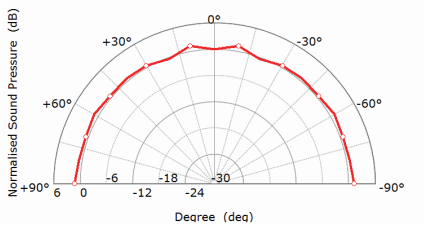


Ci3-80QT

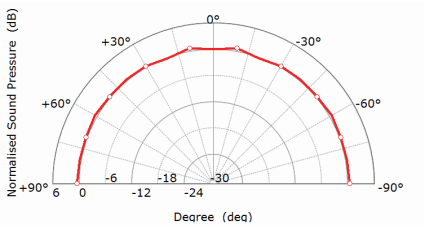
Architectural Speaker

Polar Responses - V0

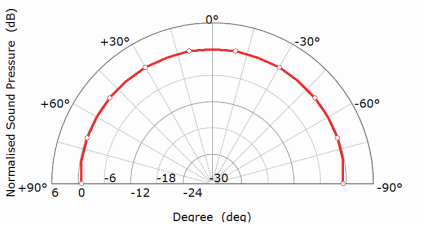
Polar 63Hz



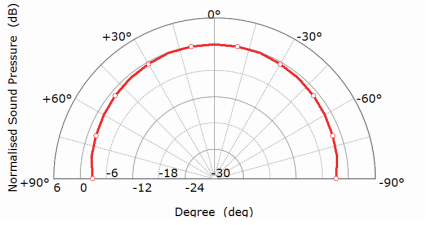
Polar 125Hz



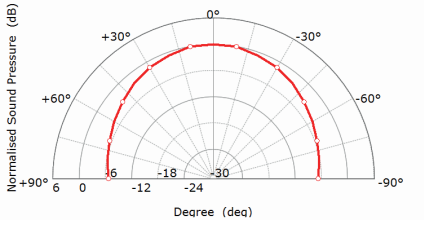
Polar 250Hz



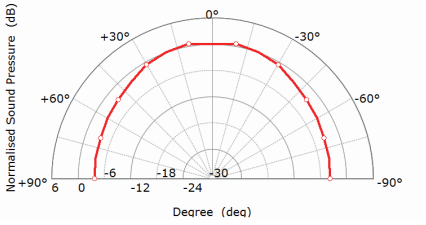
Polar 500Hz



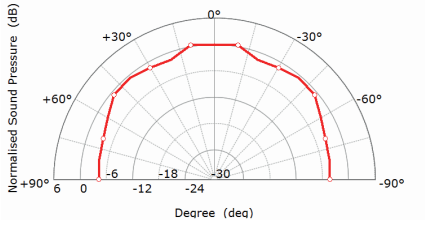
Polar 1kHz



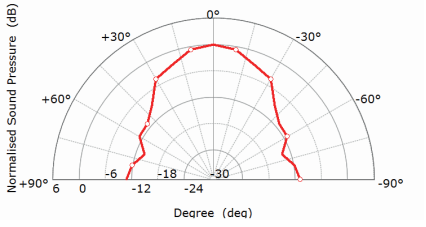
Polar 2kHz



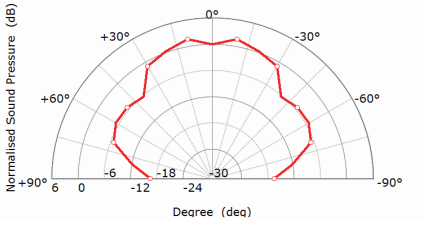
Polar 4kHz



Polar 8kHz



Polar 16kHz

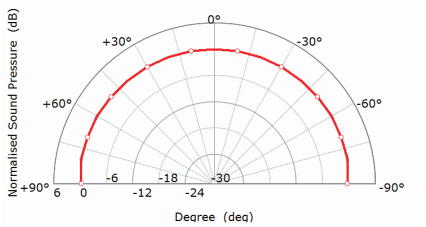


Ci3-80QT

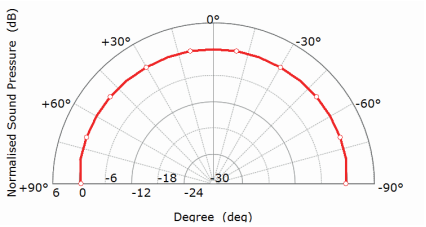
Architectural Speaker

Polar Responses - V90

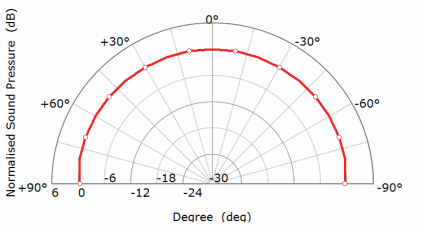
Polar 63Hz



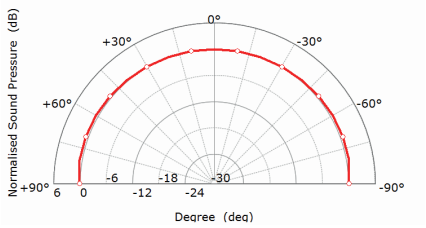
Polar 125Hz



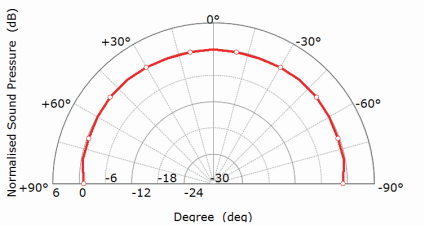
Polar 250Hz



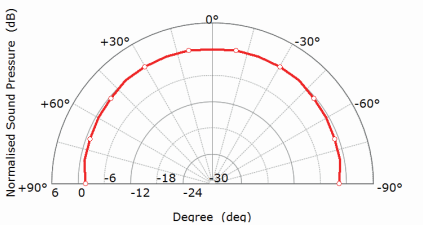
Polar 500Hz



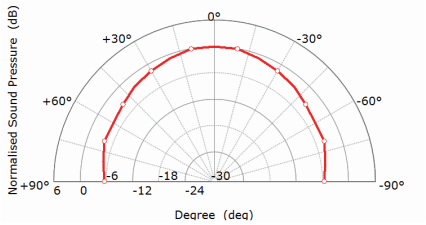
Polar 1kHz



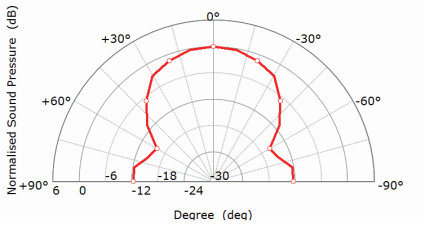
Polar 2kHz



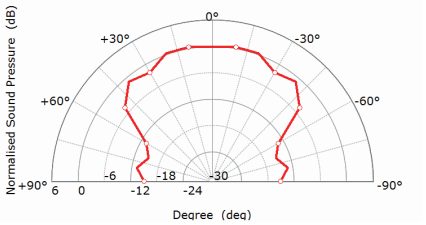
Polar 4kHz



Polar 8kHz



Polar 16kHz



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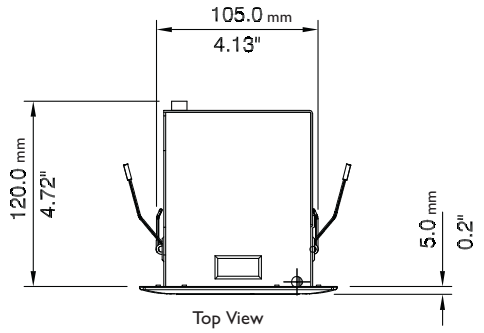
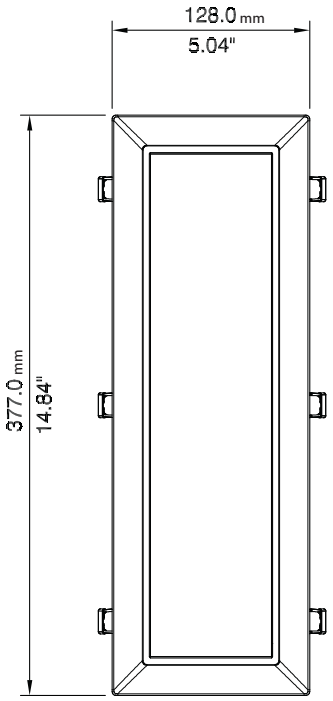
Architectural Speaker

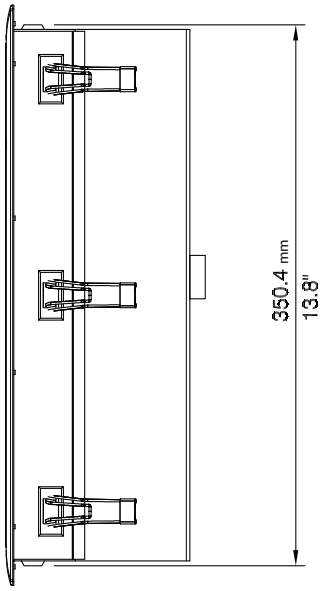
Mechanical Diagrams



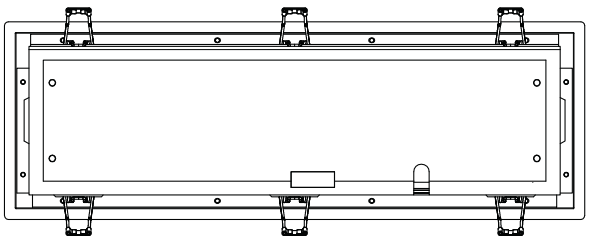
Top View



Front View



Side View



Rear View

Dimensions in mm (inches)

KEF reserves the right, in line with continuing research and development, to amend or change specifications. E&OE.