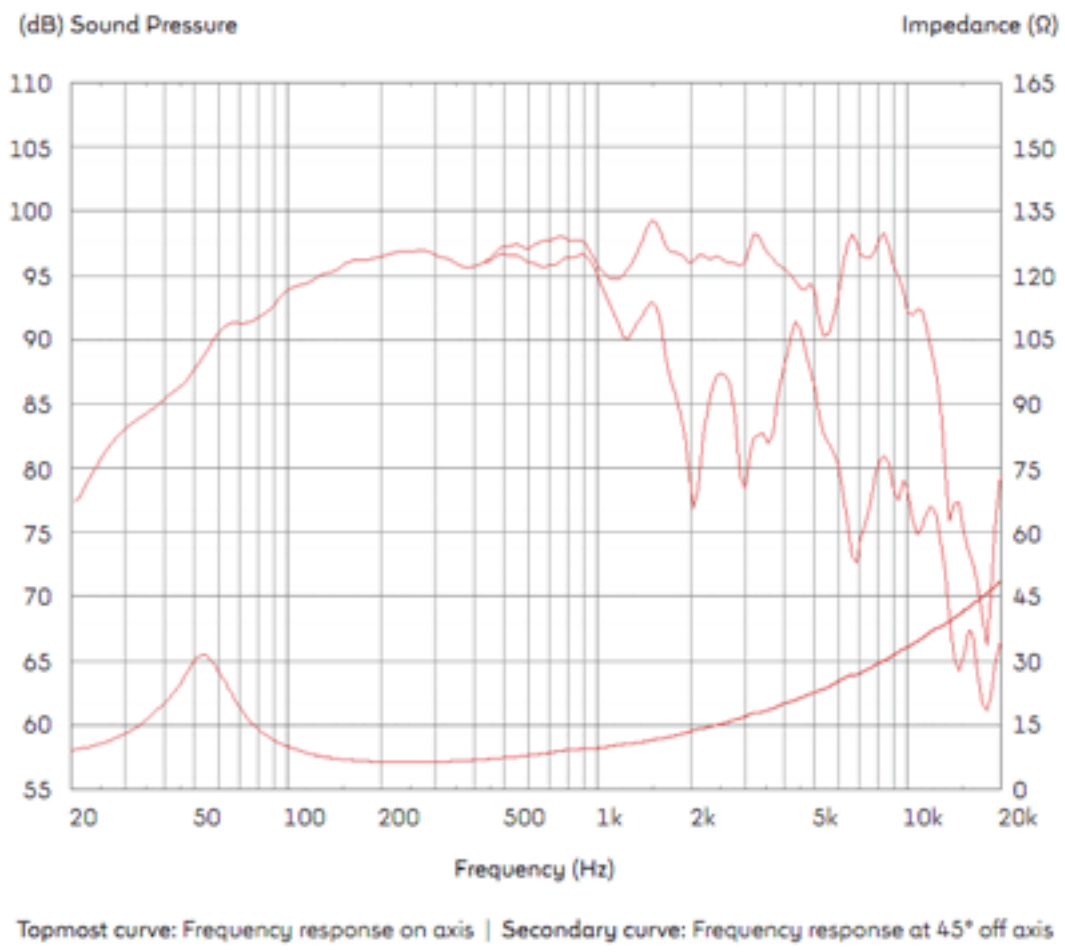
Coaxial/Twin Cone

K12H-200TC

- Secondary cone extends HF response to 10kHz
- Strengthened voice coil assembly for improved midband clarity

8 Ω Frequency Response



Topmost curve: Frequency response on axis | Secondary curve: Frequency response at 45° off axis

1. Tested for two hours using a continuous, band-limited pink noise signal as per AES standard. Power calculated on minimum impedance. Loudspeaker tested in free air.
2. Continuous Power Rating is defined as 3dB greater than the AES rating
3. tested as per the EIA-426-A standard
4. Measured on axis at 1W, 1m in 2Î anechoic environment.
5. Xmax derived from: (voice coil winding width-gap depth)/2.
6. Small signal parameters measured after unit subjected to pre-conditioning signal

General Specifications

Size	305mm/12in
Power rating [1]	200Wrms
Continuous power rating [2]	400W
Nominal impedance	8 Ω
Sensitivity [2]	98dB
Frequency range	50-10,000Hz
Voice coil diameter	50mm/2in
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.41kg/50oz
Coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax [3]	2mm/0.08in
Gap depth	8mm/0.31in
Voice coil winding width	12mm/0.47in

Small Signal Parameters

D	0.26m/10.24in
Fs	62.3Hz
Mms	40.57g/1.43oz
Qms	2.804
Qes	0.432
Mmd	39.592g/1.39oz
Qts	0.374
Re	5.81 Ω
Vas	64.1lt/2.26ft3
Bl	14.63Tm
Cms	0.16mm/N
Rms	5.67kg/s
Le (at 1kHz)	0.63mH

Mounting Information

Diameter	309mm/12.2in
Overall depth	130.3mm/5.14in
Cut-out diameter	283mm/11.14in
Mounting slot dimensions	Ø7.9mm/0.31in
Number of mounting slots	4
Mounting PCD range	297mm/11.69in
Unit weight	3.9kg/8.6lb

Packed Dimensions & Weight

Single pack size W x D x H	333mm x 322mm x 145mm /13.1in x 12.7in x 5.7in
Single pack weight	5.0kg/11lb

Celestion, Claydon Business Park, Great Blakenham, Ipswich, IP6 0NL United Kingdom