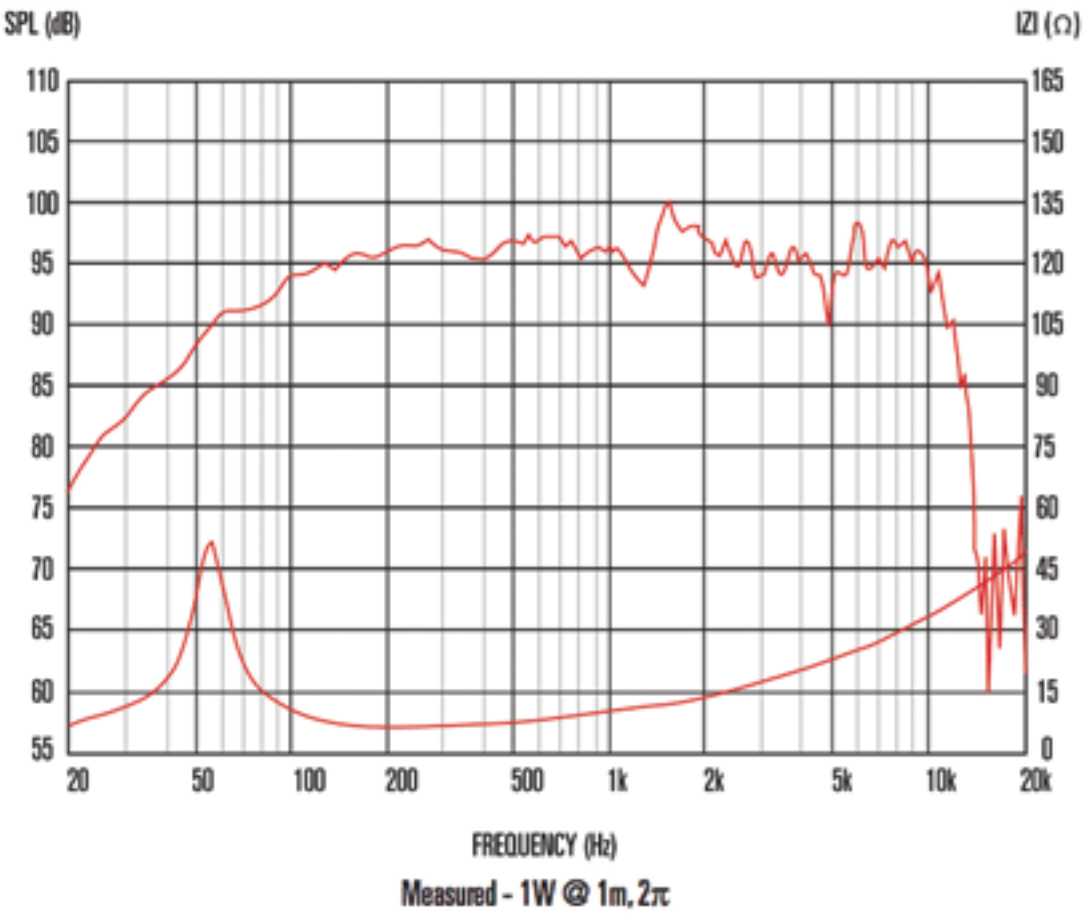
LF Pressed Chassis / Ferrite

K12H-200TC

- 12" twin cone drive unit with extended high frequency response
- 2" high temperature copper voice coil for increased reliability and 200Wrms (AES standard) power handling
- Optimised cone neck/voice coil assembly for increased strength, minimising high frequency distortion and improving sound quality
- Secondary cone terminated by pressure formed cloth dust cap for enhanced mid-band clarity
- High efficiency magnet structure design delivers improved sensitivity
- Double roll surround for greater excursion control and smooth frequency response

8 Ω Frequency Response



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. Measured on axis at 1W, 1m in 2 anechoic environment.
3. Xmax derived from: (voice coil winding width-gap depth)/2.

General Specifications

Nominal diameter	305mm/12in
Power rating [1]	200Wrms
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

Fs	60.0Hz
Mms	46.514g/1.64oz
Mmd	39.592g/1.39oz
Qms	4.585
Qes	0.583
Qts	0.481
Re	5.61 Ω
Vas	60.3lt/2.13ft3
BI	13.535 Tm
Cms	0.151mm/N
Rms	3.826 kg/s
Le (at 1kHz)	0.683 mH
D	0.26m/0.24in

Mounting Information

Diameter	309mm/12.2in
Overall depth	130.25mm/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