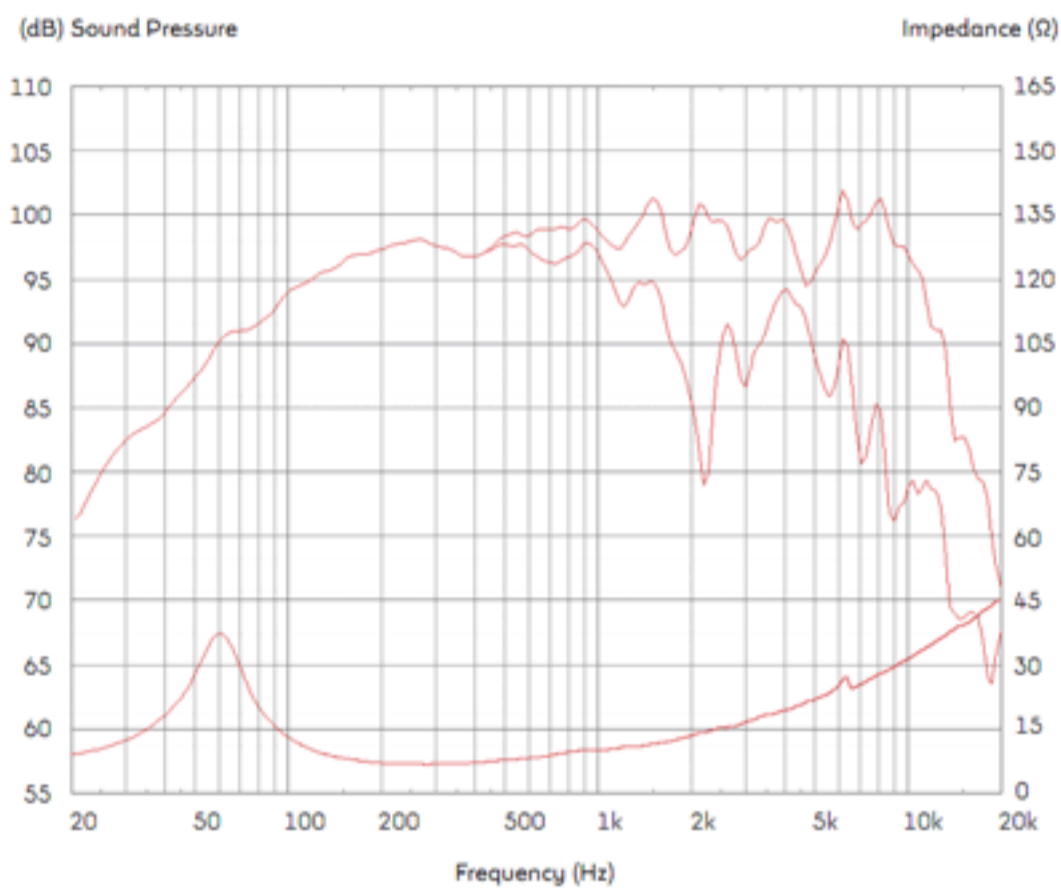


K12H-100TC



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

8 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. Continuous Power Rating 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 2^l anechoic environment.
5. X_{max} 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	100Wrms
Continuous power rating ²	200W
Nominal impedance	8
Sensitivity ²	97dB
Frequency range	50-10,000Hz
Voice coil diameter	45mm/1.75in
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.4kg/50oz
Coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
X _{max}	1mm/0.04in
Gap depth	8mm/0.31in
Voice coil winding width	10mm/0.39in

Small Signal Parameters

D	0.26m/10.24in
F _s	55.6Hz
M _{ms}	45.39g/1.6oz
Q _{ms}	2.855
Q _{es}	0.473
M _{md}	36.747g/1.30oz
Q _{ts}	0.399
R _e	5.48
V _{as}	72.04lt/2.54ft ³
Bl	13.55Tm
C _{ms}	0.18mm/N
R _{ms}	6.22kg/s
L _e (at 1kHz)	0.67mH

Mounting Information

Diameter	309mm/12.17in
Overall depth	129.7mm/5.11in
Cut-out diameter	283mm/11.14in
Mounting slot dimensions	∅216;7.9mm/0.31in
Number of mounting slots	4
Mounting PCD range	297mm/11.69in
Unit weight	3.8kg/8.4lb

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	4.5kg/10lb