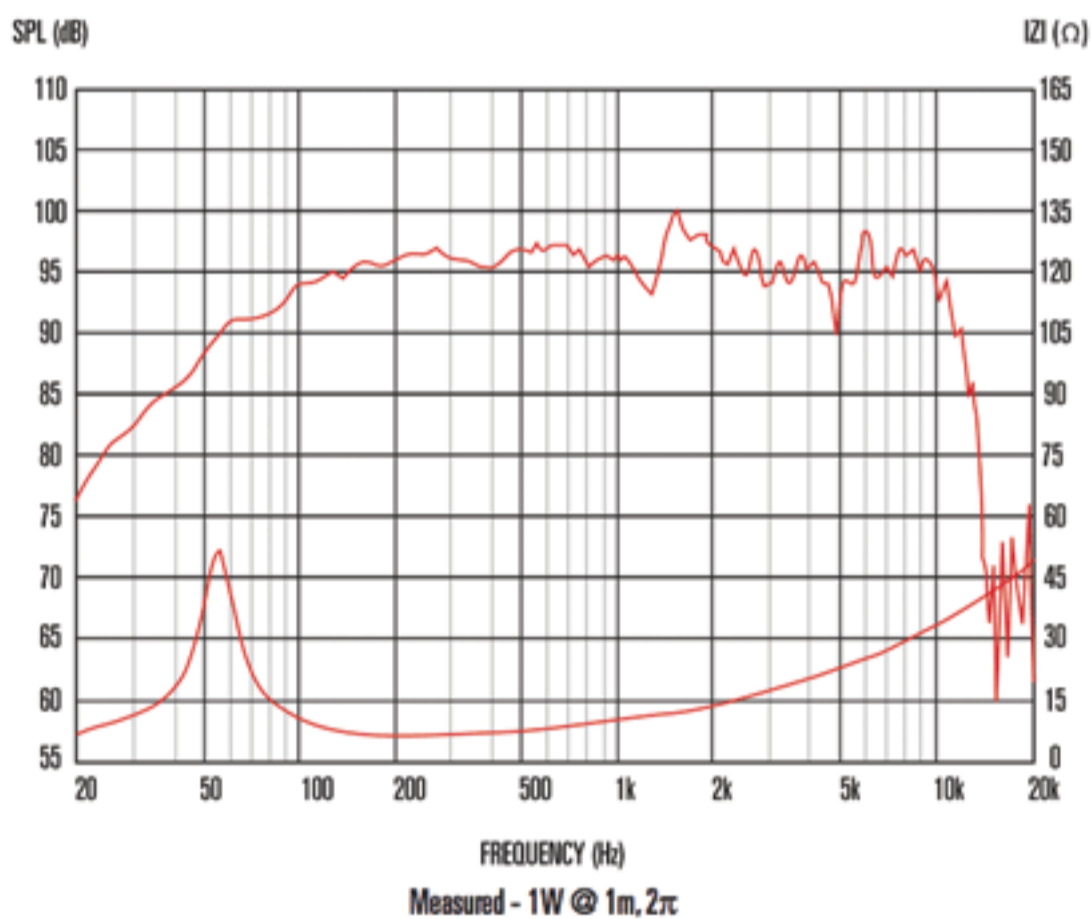


K12H-200TC



- 12" twin cone speaker 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 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 2¹ anechoic environment.
3. X_{max} derived from: (voice coil winding width-gap depth)/2.

General Specifications

| | |
|-------------------------------|---------------------|
| Size | 305mm/12in |
| Power rating ¹ | 200Wrms |
| Nominal impedance | 8 |
| 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 |
| X _{max} ³ | 2mm/0.08in |
| Gap depth | 8mm/0.31in |
| Voice coil winding width | 12mm/0.47in |

Small Signal Parameters

| | |
|-----------------|----------------------------|
| D | 0.26m/10.24in |
| F _s | 60.0Hz |
| M _{ms} | 46.514g/1.64oz |
| Q _{ms} | 4.585 |
| Q _{es} | 0.583 |
| M _{md} | 39.592g/1.39oz |
| Q _{ts} | 0.481 |
| R _e | 5.61Ω |
| V _{as} | 60.3lt/2.13ft ³ |
| Bl | 13.535 Tm |
| C _{ms} | 0.151mm/N |
| R _{ms} | 3.826 kg/s |
| Le (at 1kHz) | 0.683 mH |

Mounting Information

| | |
|--------------------------|-----------------|
| Diameter | 309mm/12.2in |
| Overall depth | 130.25mm/5.14in |
| Cut-out diameter | 283mm/11.14in |
| Mounting slot dimensions | 7.9mm/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 |