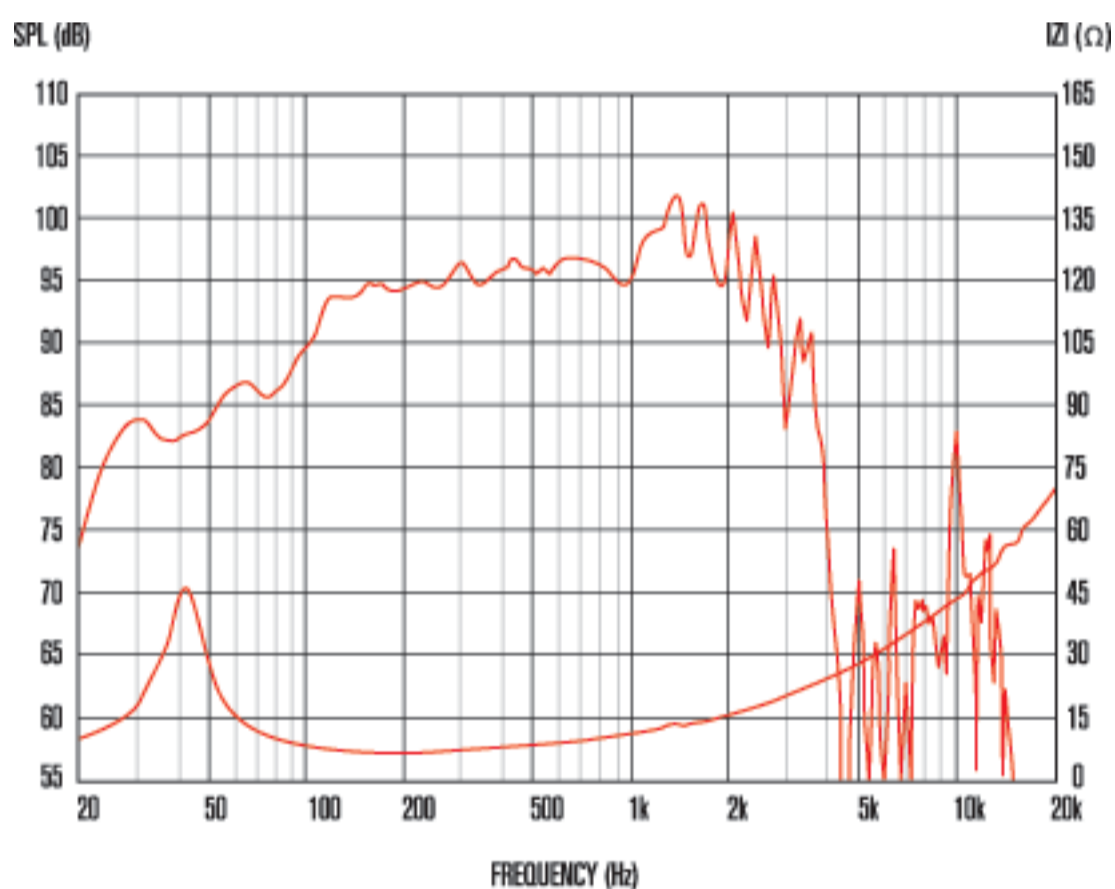


CF1840JD



- 18" ferrite magnet, cast aluminium chassis LF driver delivering 1000Wrms (AES Standard) power handling and 98dB sensitivity
- 4" high temperature, dual layer, Inside/Outside voice coil for higher efficiency, preventing sensitivity loss through thermal compression
- FEA optimized magnet assembly and suspension deliver highly symmetrical cone movement, leading to exceptionally low harmonic distortion
- Vented magnet assembly increases airflow to provide enhanced cooling
- Twin demodulation rings reduce flux modulation, minimizing electromagnetic distortion
- Double suspension and "multi-roll" surround provide exceptional linearity at extremes of cone excursion

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 2 anechoic environment.
3. Xmax derived from: (voice coil winding width-gap depth)/2.

General Specifications

| | |
|---------------------------|---------------------|
| Nominal diameter | 457mm/18in |
| Power rating ¹ | 1000Wrms |
| Nominal impedance | 8 |
| Sensitivity ² | 98dB |
| Frequency range | 30-2500Hz |
| Voice coil diameter | 100mm/4in |
| Chassis type | Cast aluminium |
| Magnet type | Ferrite |
| Magnet weight | 3.18kg/112oz |
| Coil material | Round copper |
| Former material | Glass fibre |
| Cone material | Kevlar loaded paper |
| Surround material | Cloth-sealed |
| Suspension | Double |
| Xmax ³ | 10mm/0.39in |
| Gap depth | 10mm/0.39in |
| Voice coil winding width | 30mm/1.18in |

Small Signal Parameters

| | |
|--------------|-----------------|
| D | 0.38m/14.96in |
| Fs | 44.2Hz |
| Mms | 215.15g/7.59oz |
| Mmd | 185.145g/6.54oz |
| Qms | 4.21 |
| Qes | 0.496 |
| Qts | 0.444 |
| Re | 5.29 |
| Vas | 113.924 |
| Bl | 24.758Tm |
| Cms | 0.063mm/N |
| Rms | 13.653kg/s |
| Le (at 1kHz) | 0.96mH |

Mounting Information

| | |
|--------------------------|-------------------------|
| Diameter | 460mm/18.11in |
| Overall depth | 220.35mm/8.68in |
| Cut-out diameter | 412.6mm/16.24in |
| Mounting slot dimensions | 11mm x 7mm/0.43-0.28in |
| Number of mounting slots | 8 |
| Mounting PCD range | 441-432mm/17.36-17.01in |
| Unit weight | 11.6kg/25.5lb |