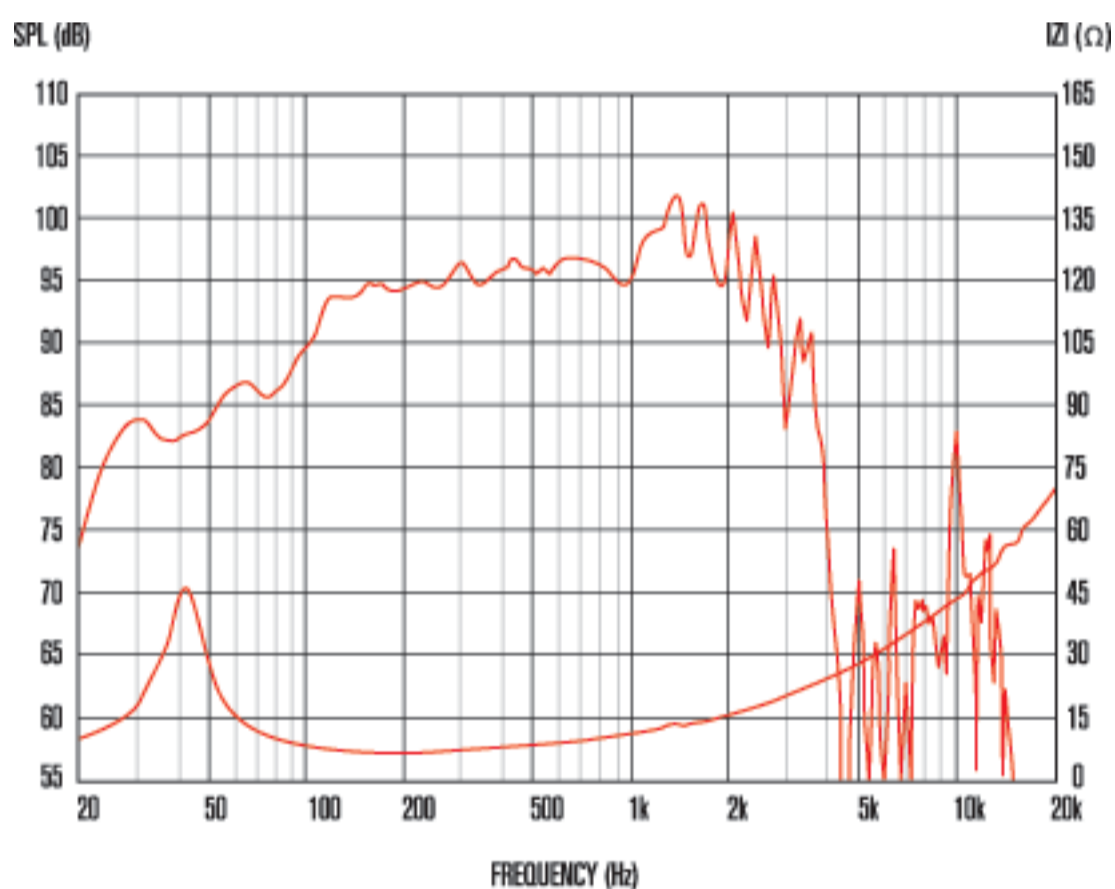


CF1840JD



- 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