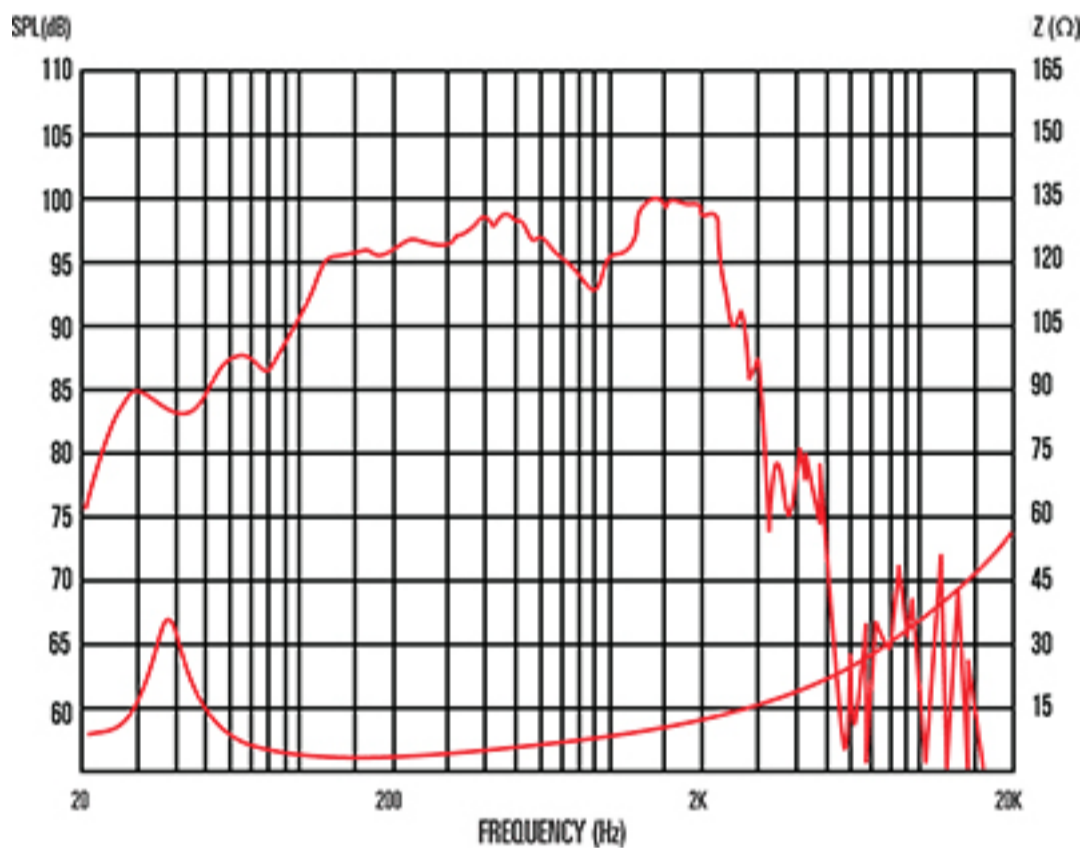


CF1840H



- 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 performance loss through thermal compression
- Triangulated coil reinforcement reduces moving mass, thereby increasing sensitivity, while maintaining a long Xmax
- Finite element analysis optimised magnet assembly delivers remarkably low harmonic distortion and very high motor strength
- Smart chassis design minimises reflections back onto the cone, significantly reducing acoustic distortion
- Intelligent heat management in both chassis and magnet assembly design offers increased output level

8 Frequency Response



General Specifications

Nominal diameter	457mm/18in
Power rating	1000Wrms
Nominal impedance	4
Sensitivity	98dB
Frequency range	30Hz-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	Carbon fibre loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax ³	8mm/0.31in
Gap depth	9.5mm/0.37in
Voice coil winding width	25mm/1in

Small Signal Parameters

D	0.38m/14.96in
Fs	37.6Hz
Mms	154.06g/5.44oz
Mmd	132.45g/4.68oz
Qms	5.552
Qes	0.385
Qts	0.36
Re	3.07
Vas	211.24lt/7.46ft ³
Bl	17.05Tm
Cms	0.116mm/N
Rms	6.562kg/s
Le (at 1kHz)	0.24mH

Mounting Information

Diameter	460mm/18.11in
Overall depth	220.35mm/8.68in
Cut-out diameter	414mm/16.3in
Mounting slot dimensions	11mm x 7mm / 0.43in x 0.28in
Number of mounting slots	8
Unit weight	11.6kg/25.5lb
Mounting slot PCD	441-432mm/17.36-17.01in