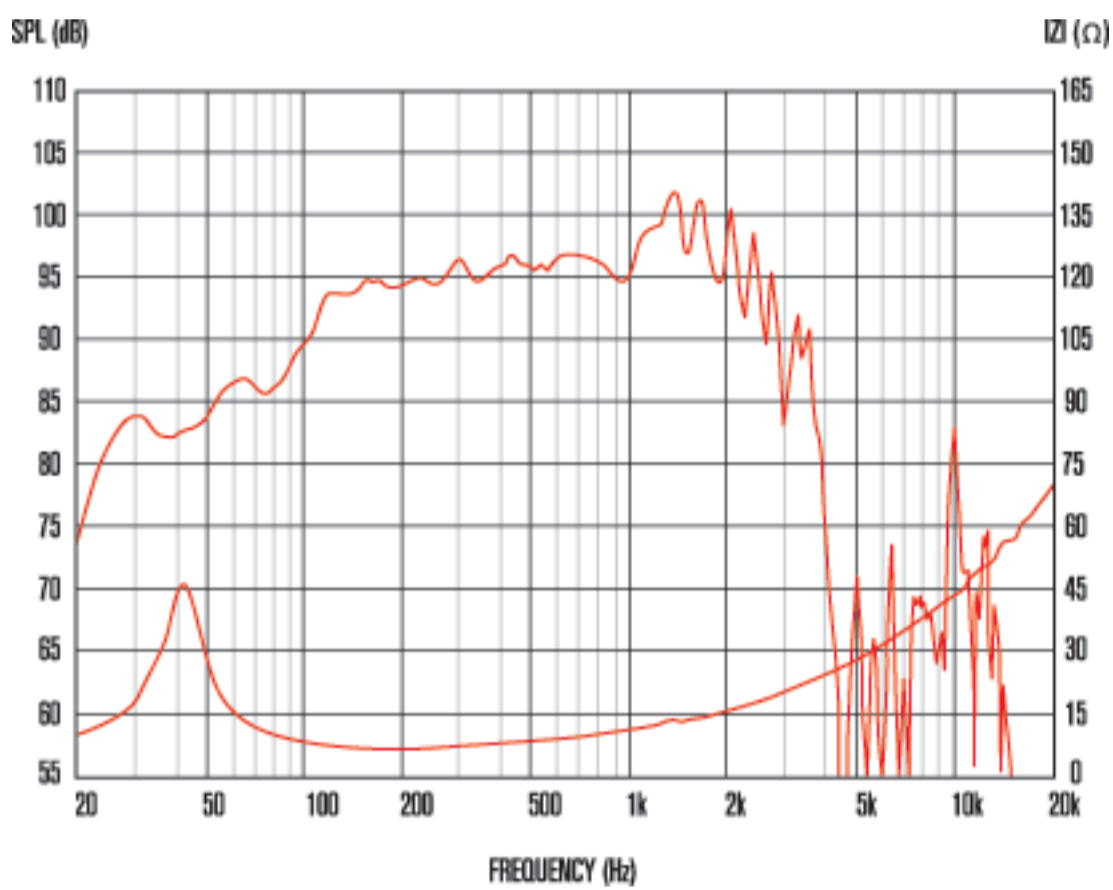


CF1840JD



- Balanced airflow venting provides enhanced cooling
- Twin demodulation rings
- Optimised double suspension

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 is defined as 3dB greater than the AES rating
3. Measured on axis at 1W, 1m in 2^l anechoic environment.
4. X_{max} derived from: (voice coil winding width-gap depth)/2.
5. Small signal parameters measured after unit subjected to pre-conditioning signal

General Specifications

Nominal diameter	457mm/18in
Power rating ¹	1200Wrms
Continuous power rating ²	2400W
Nominal impedance	8
Sensitivity ³	97dB
Frequency range	30-2,500Hz
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
X _{max} ⁴	10mm/0.39in
Gap depth	10mm/0.39in
Voice coil winding width	30mm/1.18in

Small Signal Parameters

D	0.38m/14.96in
F _s	37Hz
M _{ms}	217.4g/7.67oz
Q _{ms}	4.372
Q _{es}	0.44
M _{md}	185.145g/6.54oz
Q _{ts}	0.4
R _e	5.29
V _{as}	155l/5.47ft ³
Bl	24.76Tm
C _{ms}	0.09mm/N
R _{ms}	11.56kg/s
L _e (at 1kHz)	1.16mH

Mounting Information

Overall diameter	460mm/18.11in
Overall depth	220.35mm/8.68in
Cut-out diameter	414mm/16.24in
Mounting slot dimensions	11mm x 7mm/0.43-0.28in
Number of mounting slots	8
Mounting PCD range	432-441mm/17-17.36in
Unit weight	11.6kg/25.5lb

Packed Dimensions & Weight

Single pack size W x D x H	500mm x 500mm x 255mm /19.7in x 19.7 x 7.11in
Single pack weight	13kg/28.6lb
Multi pack size W x D x H	1210mm x 1050mm x 1070mm /47.6in x 41.3in x 42.1in
Multi pack weight	305kg/670lb