LF Loudspeakers

CF1840JD

18-inch, cast aluminium chassis, ferrite magnet LF driver

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

2400W
Continuous power rating

97dB
Sensitivity

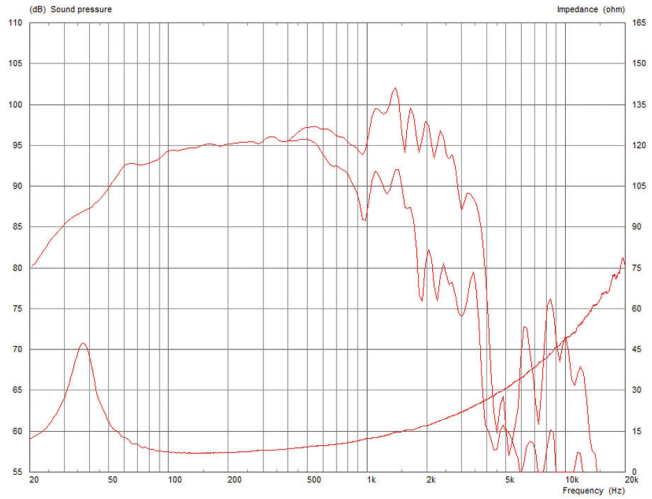
4in
Round copper voice coil



Mounting Information

Overall diameter	460mm / 18.11in
Overall depth	220mm / 8.7in
Cut-out diameter	414mm / 16.24in
Mounting hole dimensions	11x7mm / 0.43x0.28in
Number of mounting holes	8
Mounting hole PCD	441-432mm / 17.36-17.01in
Unit weight	11.6kg / 25.5lb

Frequency Response and Impedance Curves



Power rating: 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.
Continuous power rating: Defined as 3dB greater than the AES rating.
Sensitivity: Measured on axis at 1W, 1m in 2? anechoic environment.
Parameters: Measured after unit subjected to pre-conditioning signal.
Xmax: 0.5*(Hvc-Hg) + 0.25*Hg

General Specifications

Nominal Diameter	457mm / 18in
Power Rating	1200W
Continuous power rating	2400W
Rated impedance	8 ohm
Sensitivity	97dB
Frequency range	30-2500Hz
Chassis type	Cast aluminium
Magnet type	Ferrite
Magnet weight	3.18kg / 112oz
Voice coil diameter	100mm / 4in
Voice coil material	Round copper
Former material	Glass fibre
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Double
Gap height (Hg)	10mm / 0.39in
VC winding height (Hvc)	30mm / 1.18in
Additional impedances	4 ohm

Parameters

Sd	1134.12cm^2 / 175.79in^2
Fs	37.00Hz
Mms	217.40g / 7.67oz
Qms	4.372
Qes	0.437
Qts	0.397
Re	5.29 ohm
Vas	155l / 5.47ft^3
Bl	24.76Tm
Cms	0.09mm/N
Rms	11.56kg/s
Le (at 1kHz)	1.16mH
Xmax	12.5mm / 0.49in

Packed Dimensions & Weight

Single pack size W x D x H	500mm x 500mm x 255mm / 19.7in x 19.7in x 10in
Single pack weight	13kg / 28.6lb
Multi pack qty	24
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

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