CELESTION

LF Loudspeakers CF1840JD



Mounting Information

 Overall diameter
 460mm / 18.11in

 Overall depth
 220mm / 8.7in

 Cut-out diameter
 414mm / 16.24in

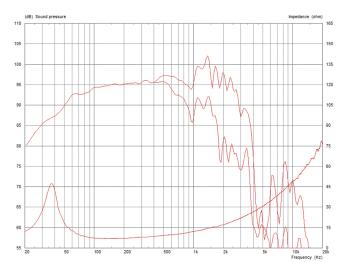
 Mounting hole dimensions
 11x7mm / 0.43x0.28in

 Number of mounting holes
 8

 Mounting hole PCD
 441-432mm / 17.36-17

Mounting hole PCD 441-432mm / 17.36-17.01in Unit weight 11.6kg / 25.5lb

Frequency Response and Impedance Curves



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

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

2400W 97dB 4in
Continuous sensitivity Round copper voice coil

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 1134.12cm² / 175.79in² Fs 37.00Hz Mms 217.40g / 7.67oz Qms 4.372 0.437 Qes Qts 0.397 5.29 ohm Re 155I / 5.47ft³ Vas 24.76Tm ВΙ Cms 0.09mm/N Rms 11.56kg/s Le (at 1kHz) 1.16mH 12.5mm / 0.49in **Xmax**

Packed Dimensions & Weight

Single pack size W x D x H 500mm x 500mm x 255mm / x

19.7in 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

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 pi anechoic environment. Parameters: Measured after unit subjected to pre-conditioning signal.

Xmax: 0.5*(Hvc-Hg) + 0.25*Hg

