CELESTION

LF Loudspeakers CF1540HD



Mounting Information

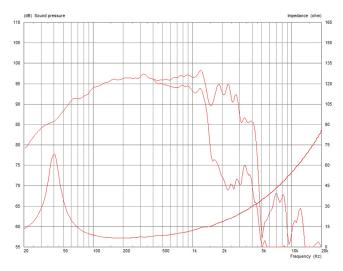
Overall diameter
Overall depth
Cut-out diameter
Mounting hole dimensions
Number of mounting holes
Mounting hole PCD
Unit weight

393mm / 15.46in 184mm / 7.2in 354mm / 13.94in 10x7mm / 0.39x0.27in 8

367-374mm / 14.45-14.72in

11.2kg / 24.6lb

Frequency Response and Impedance Curves



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

- Balanced airflow venting provides enhanced cooling
- Twin demodulation rings
- Optimised double suspension
- Glass loaded paper cone with weather-resistant impregnation

2400W Continuous

power rating

97dB sensitivity

4in

Round copper voice coil

General Specifications

Nominal Diameter 381mm / 15in Power Rating 1200W Continuous power rating 2400W Rated impedance 8 ohm Sensitivity 97dB 35-2000Hz Frequency range 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 Glass loaded paper (weather-resistant)

Surround material Cloth-sealed
Suspension Double
Gap height (Hg) 8mm / 0.31in
VC winding height (Hvc) 25mm / 0.98in

Parameters

Sd $855.30 cm^2 / 132.57 in^2$ 40.80Hz Mms 145.53g / 5.13oz Oms 5.591 Qes 0.323 0.305 Qts Re 5.15 ohm 108.30I / 3.82ft³ Vas BI 24.40Tm Cms 0.11mm/N Rms 6.67kg/s Le (at 1kHz) 1.22mH 10.5mm / 0.41in **Xmax**

Packed Dimensions & Weight

Multi pack qty

Multi pack size W x D x H 1210mm x 1050mm x 980mm /

47.6in x 41.3in x 35.4in

Multi pack weight 300kg / 660lb

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

