CELESTION

LF Loudspeakers

CF1540HD

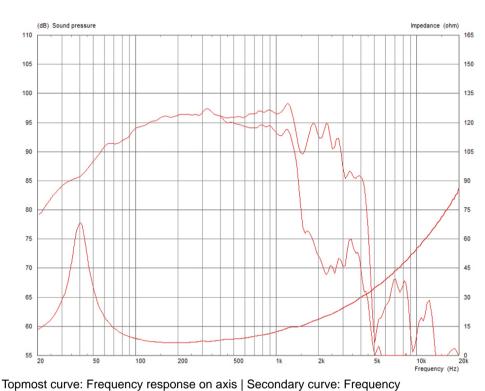






- · Balanced airflow venting provides enhanced cooling
- Twin demodulation rings
- Optimised double suspension
- Glass loaded paper cone with weather-resistant impregnation

Frequency Response and Impedance Curves



response at 45° off axis

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 381mm / 15in

Power Rating 1200W

Continuous power rating 2400W

Rated impedance 8

Sensitivity 97dB

Frequency range 35-2000Hz

Chassis type Cast aluminium

Magnet type Ferrite

Magnet weight

Voice coil diameter

Voice coil material

Former material

3.18kg / 112oz

100mm / 4in

Round copper

Glass fibre

Cone material Glass loaded paper (weather-re

sistant)

Surround material Cloth-sealed Suspension Double

Xmax 10.5mm / 0.41in
Gap height (Hg) 8mm / 0.31in
VC winding height (Hvc) 25mm / 0.98in

Mounting Information

Overall diameter 393mm / 15.46in

Overall depth 184mm / 7.2in

Cut-out diameter 354mm / 13.94in

Mounting hole dimensions 10x7mm / 0.39x0.27in

Number of mounting holes 8

Mounting hole PCD 367-374mm / 14.45-14.72in

Unit weight 11.2kg / 24.6lb

Parameters

Sd 855.30cm2 / 132.57in2

Fs 40.80Hz Mms 145.53g / 5.13oz

 Qms
 5.591

 Qes
 0.323

 Qts
 0.305

 Re
 5.15

 Vas
 108.30I / 3.82ft3

 Bi
 24.40Tm

 Cms
 0.11mm/N

 Rms
 6.67kg/s

 Le (at 1kHz)
 1.22mH

 Xmax
 10.5mm / 0.41in

Packed Dimensions & Weight

Multi pack qty 24

Multi pack size W x D x H 1210mm x 1050mm x 980mm / 47.6

in x 41.3in x 35.4in

Multi pack weight 300kg / 660lb



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