CELESTION

LF Loudspeakers

CF1540HD

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

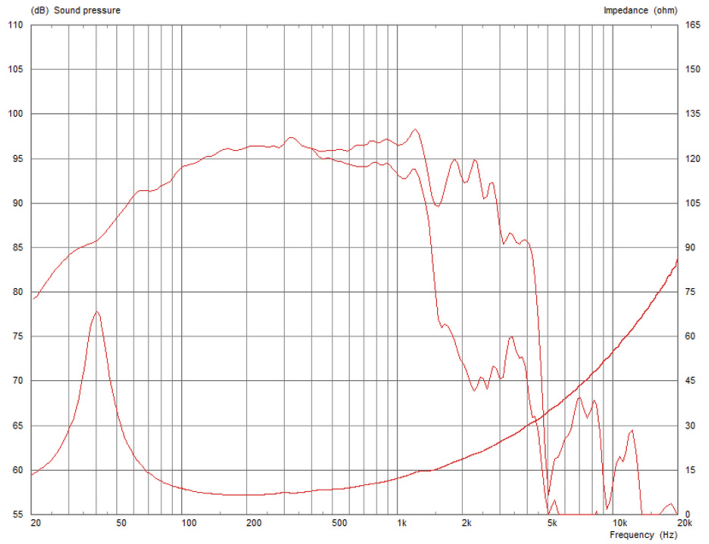
General Specifications

Nominal Diameter	381mm / 15in
Power Rating	1200W
Continuous power rating	2400W
Rated impedance	8&ohm
Sensitivity	97dB
Frequency range	35-2000Hz
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

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

Frequency Response and Impedance Curves



Topmost curve: Frequency response on axis | Secondary curve: Frequency response at 45° off axis

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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

Parameters

Sd	855.30cm2 / 132.57in^2
Fs	40.80Hz
Mms	145.53g / 5.13oz
Qms	5.591
Qes	0.323
Qts	0.305
Re	5.15&ohm
Vas	108.30l / 3.82ft ^{3}
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 / 47.6in x 41.3in x 35.4in
Multi pack weight	300kg / 660lb

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