

# 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

**2400W**  
Continuous  
power rating

**97dB**  
sensitivity

**4in**  
Round copper  
voice coil

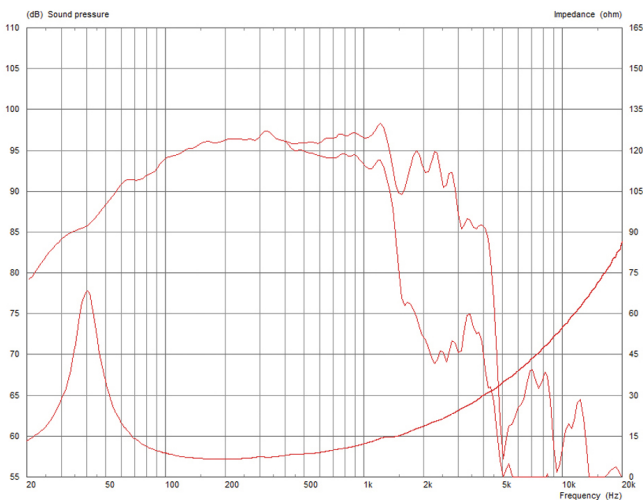
#### General Specifications

Nominal Diameter	381mm / 15in
Power Rating	1200W
Continuous power rating	2400W
Rated impedance	8 ohm
Sensitivity	97dB
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



**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	855.30cm <sup>2</sup> / 132.57in <sup>2</sup>
Fs	40.80Hz
Mrms	145.53g / 5.13oz
Qms	5.591
Qes	0.323
Qts	0.305
Re	5.15 ohm
Vas	108.30l / 3.82ft <sup>3</sup>
Bl	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

# CELESTION

Celestion, Claydon Business Park, Great Blakenham, Ipswich, IP6 0NL United Kingdom