

# CELESTION

## LF Loudspeakers

### CF1540F



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

Glass loaded paper cone with weather-resistant impregnation Airflow vented magnet assembly for dynamic heat dispersion

**1200W**

Continuous power rating

**97dB**

sensitivity

**4in**

Round copper voice coil

### General Specifications

Nominal Diameter	381mm / 15in
Power Rating	600W
Continuous power rating	1200W
Rated impedance	8 ohm
Sensitivity	97dB
Frequency range	35-2,000Hz
Chassis type	Cast aluminium
Magnet type	Ferrite
Magnet weight	3.1kg / 110oz
Voice coil diameter	100mm / 4in
Voice coil material	Round copper
Former material	Glass Fibre
Cone material	Glass loaded cellulose
Surround material	Cloth-sealed
Suspension	Single
Gap height (Hg)	9.5mm / 0.37in
VC winding height (Hvc)	22mm / 0.87in

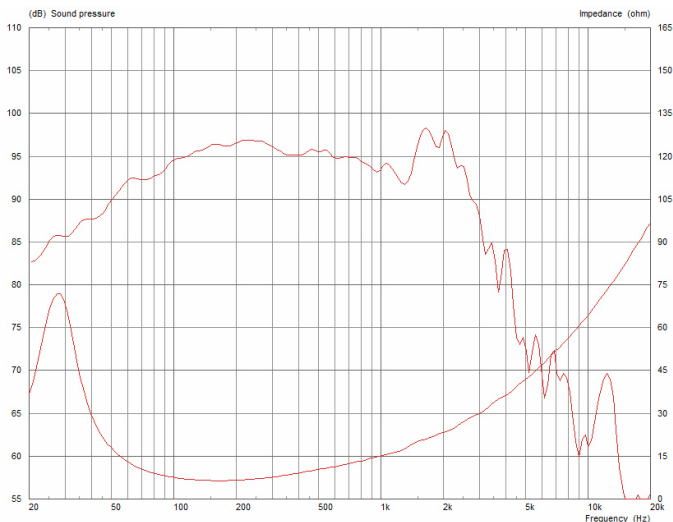
### Parameters

Sd	855.3cm <sup>2</sup> / 132.6in <sup>2</sup>
Fs	29.1Hz
Mms	128.9g/4.54oz
Qms	6.531
Qes	0.243
Qts	0.235
Re	5.53 ohm
Vas	227.867l/8.05ft <sup>3</sup>
Bl	23.15Tm
Cms	0.232mm/N
Rms	3.61kg/s
Le (at 1kHz)	1.74mH
Xmax	8.6mm / 0.34in

### Mounting Information

Overall diameter	392.7mm / 15.5in
Overall depth	181.8mm / 7.16in
Cut-out diameter	354.5mm / 13.96in
Mounting hole dimensions	10x7mm / 0.39x0.27in
Number of mounting holes	8
Mounting hole PCD	367-374mm / 14.45-14.72in
Unit weight	9.62kg / 21.2lb

### 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

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