# 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 |

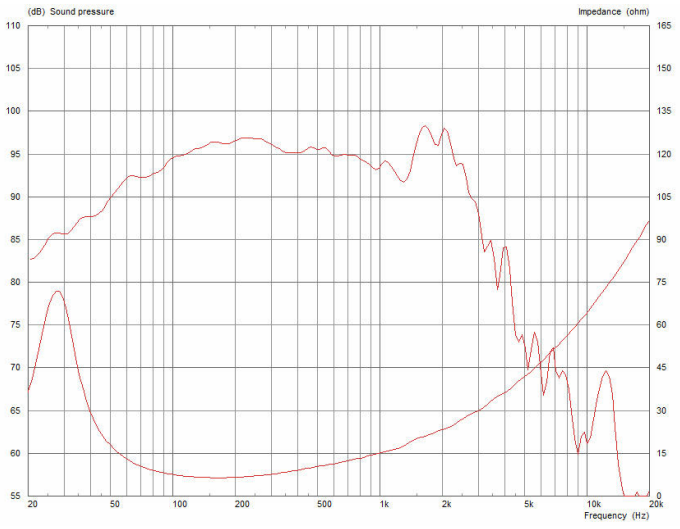
### Parameters

| | |
|---|---|
| Sd | 855.3cm$^2$ / 132.6in$^2$ |
| 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$^3$ |
| 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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