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

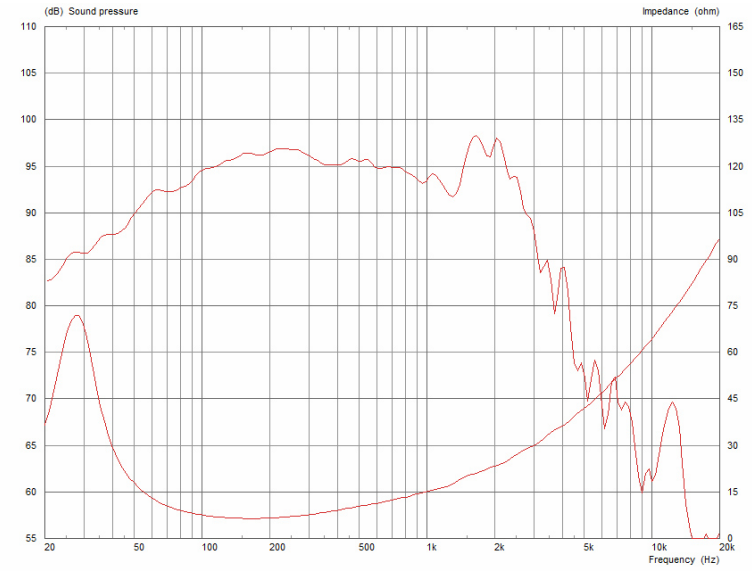
General Specifications

Nominal Diameter	381mm / 15in
Power Rating	600W
Continuous power rating	1200W
Rated impedance	8 Ω
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

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



Parameters

Sd	855.3cm2 / 132.6in 2
Fs	29.1Hz
Mms	128.9g/4.54oz
Qms	6.531
Qes	0.243
Qts	0.235
Re	5.53 Ω
Vas	227.867l/8.05ft 3
Bi	23.15Tm
Cms	0.232mm/N
Rms	3.61kg/s
Le (at 1kHz)	1.74mH
Xmax	8.6mm / 0.34in

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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