CELESTION

LF Loudspeakers CF1230BMB



Mounting Information

 Overall diameter
 315mm / 12.4in

 Overall depth
 155.5mm / 6.1

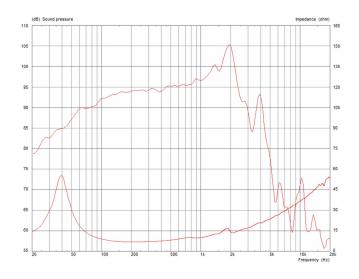
 Cut-out diameter
 285.6mm / 11.24in

 Mounting hole dimensions
 10mmx6.5mm / 0.39inx0.26in

Number of mounting holes

Mounting hole PCD 294-300mm / 11.6-11.8in Unit weight 6.75kg / 14.9lb

Frequency Response and Impedance Curves



12-inch cast aluminium chassis, ferrite magnet bass/mid-bass driver

Optimised for bass and mid/bass applications Half-roll Elastomer surround enables greater Xmax/Xmech Modified T-pole enhances performance through improved BI symmetry Airflow vented magnet assembly for dynamic heat dispersion Demodulation ring for reduced harmonic and intermodulation distortion

700W Continuous 96dB sensitivity 3in

Copper clad aluminium coil

General Specifications

Nominal Diameter 305mm / 12in Power Rating 350W Continuous power rating 700W Rated impedance 8 ohm Sensitivity 96dB Frequency range 50-3,000Hz Chassis type Cast aluminium Magnet type Ferrite Magnet weight 2.2kg / 75oz Voice coil diameter 75mm / 3in

Voice coil material Copper clad aluminium Former material Glass Fibre

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Cone material Glass loaded paper

(weather-resistant)
Surround material Elastomer
Suspension Single
Gap height (Hg) 8mm / 0.31in
VC winding height (Hvc) 18mm / 0.7in
Additional impedances 16 ohm

Parameters

530.93cm2 / 82.3in2 Sd Fs 43 4Hz Mms 88.41g / 3.12oz 4.451 Qms 0.417 Qes Ots 0.381 Re 5.84 ohm Vas 60.68I / 2.14ft3 ΒΙ 18.38Tm 0.152mm/N Cms 5.416kg/s Rms Le (at 1kHz) 0.713mH **Xmax** 7mm / 0.28in

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 pi anechoic environment. Parameters: Measured after unit subjected to pre-conditioning signal. Xmax: 0.5*(Hvc-Hg) + 0.25*Hg

