CELESTION

LF Loudspeakers CF1230F



Mounting Information

 Overall diameter
 315mm / 12.4in

 Overall depth
 153mm / 6.0in

 Cut-out diameter
 285.6mm / 11.24in

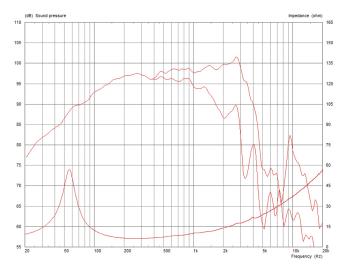
 Mounting hole dimensions
 10x6.5mm / 0.39x0.26in

 Number of mounting holes
 8

 Mounting hole PCD
 294-300mm / 11.6-11.8in

 Unit weight
 6.8kg / 14.9lb

Frequency Response and Impedance Curves



12-inch, cast aluminium chassis, ferrite magnet LF driver

- Balanced airflow venting provides enhanced cooling
- Single demodulation ring
- Glass loaded paper cone with weather-resistant impregnation

1000W Continuous

power rating

98dB sensitivity

3 3in

Edgewound clad copper voice aluminium coil

General Specifications

Nominal Diameter 305mm / 12in Power Rating 500W Continuous power rating 1000W Rated impedance 8 ohm Sensitivity 98dB Frequency range 50-3000Hz Chassis type Cast aluminium Magnet type Ferrite Magnet weight 2.2kg / 75oz Voice coil diameter 75mm / 3in Voice coil material

pice coil material Edgewound copper clad aluminium

Former material Glass fibre
Cone material Glass loaded paper
(weather-resistant)

Surround material Cloth-sealed
Suspension Single
Gap height (Hg) 8mm / 0.31in
VC winding height (Hvc) 19mm / 0.75in

Parameters

Sd 530.93cm² / 82.29in² 56.50Hz Mms 63.75g / 2.25oz Oms 4.33 Qes 0.342 0.317 Qts Re 5.08 ohm 49.611 / 1.75ft³ Vas BI 18.33Tm Cms 0.12mm/N Rms 5.23kg/s Le (at 1kHz) 0.74mH 7.5mm / 0.3in **Xmax**

Packed Dimensions & Weight

Multi pack qty

Multi pack size W x D x H 1210mm x 1050mm x 980mm / 47.6in x 41.3in x 35.4in

47.5in x 41.3in x 35.4in

Multi pack weight 435kg / 870lb

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

