CELESTION

LF Loudspeakers

CF0820BMB



Mounting Information

 Overall diameter
 215mm / 8.5in

 Overall depth
 108mm / 4.3in

 Cut-out diameter
 187mm / 7.4in

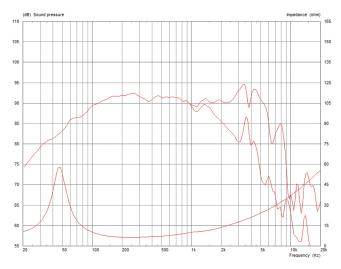
 Mounting hole dimensions
 7x5.6mm / 0.28x0.22in

 Number of mounting holes
 8

 Mounting hole PCD
 197-200mm / 7.8-7.9in

 Unit weight
 3.1kg / 6.8lb

Frequency Response and Impedance Curves



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

• Balanced airflow venting provides enhanced cooling

Half-roll elastomer surround

500W Continuous power rating 93dB sensitivity

2in Copper clad aluminium coil

General Specifications

Nominal Diameter 200mm / 8in Power Rating 250W 500W Continuous power rating Rated impedance 8 ohm Sensitivity 93dB Frequency range 50-6000Hz Chassis type Cast aluminium Magnet type Ferrite Magnet weight 0.99kg / 35oz Voice coil diameter 50mm / 2in Voice coil material Copper clad aluminium

Former material Glass fibre
Cone material Treated paper
Surround material Elastomer
Suspension Single
Gap height (Hg) 8mm / 0.31in
VC winding height (Hvc) 18.5mm / 0.73in
Additional impedances 16 ohm

Parameters

Sd 226.98cm² / 35.18in² Fs 50.50Hz Mms 32.35g / 1.14oz 5.095 Qms Qes 0.394 0.366 Ots Re 5.45 ohm Vas 22.42I / 0.79ft3 Ы 11.92Tm Cms 0.31mm/N Rms 2.01kg/s Le (at 1kHz) 0.78mH 7.25mm / 0.29in **Xmax**

Packed Dimensions & Weight

Multi pack qty

Multi pack size W x D x H $\,$ 465mm x 455mm x 250mm / x

18.3in 17.9in x 9.8in Multi pack weight 27.5kg / 60lb

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

