CELESTION

LF Loudspeakers CF1025C



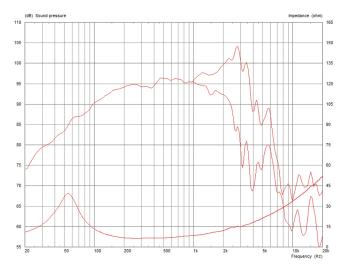
Mounting Information

Overall diameter 265mm / 10.43in
Overall depth 119mm / 4.7in
Cut-out diameter 230.8mm / 9.1in
Mounting hole dimensions 8x6.5mm / 0.3x0.25in
Number of mounting holes 8

Mounting hole PCD 244.5-247mm / 9.63-9.73in

Unit weight 4.9kg / 10.8lb

Frequency response and Impedance Curves



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

Balanced airflow venting provides enhanced cooling

Twin demodulation rings

600W 99dB continuous sensitivity

2.5in
Edgewound clad
copper voice
aluminium coil

General Specifications

power rating

Nominal Diameter 254mm / 10in Power Rating 300W 600W Continuous power rating Rated impedance 8 ohm Sensitivity 99dB Frequency range 60-5000Hz Chassis type Cast aluminium Magnet type Ferrite Magnet weight 1.7kg / 60oz Voice coil diameter 64mm / 2.5in

Voice coil material Edgewound copper clad

Former material Glass fibre
Cone material Kevlar loaded paper
Surround material Cloth-sealed
Suspension Single
Gap height (Hg) 8mm / 0.3in
VC winding height (Hvc) 12.5mm / 0.49in

Parameters

Sd 346.36cm² / 53.69in² Fs 54 8Hz Mms 37.03g / 1.31oz 2.338 Qms Qes 0.299 0.265 Ots Re 5.15 ohm Vas 38.63I / 1.36ft³ Ы 14.82Tm Cms 0.23mm/N Rms 5.46kg/s Le (at 1kHz) 0.57mH 4.25mm / 0.17in **Xmax**

Packed Dimensions & Weight

Single pack size W x D x H 306mm x 306mm x 155mm / x

12in 12in x 6.1in Single pack weight 5.5kg / 12.1lb

Multi pack qty 8

Multi pack size W x D x H 555mm x 520mm x 290mm / x

21.9in 20.5in x 11.4in

Multi pack weight 45kg / 99lb

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

