CELESTION

LF Loudspeakers CF18VJD



Mounting Information

Overall diameter
Overall depth
Cut-out diameter
Mounting hole dimensions
Number of mounting holes
Mounting hole PCD
Unit weight

233mm / 9.2in 416mm / 16.38in 11x7mm / 0.43x0.28in 8

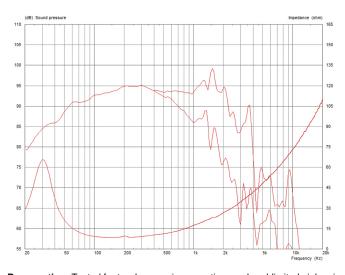
462mm / 18.19in

422

432-441mm / 17.0-17.36in

23kg / 50.6lb

Frequency Response and Impedance Curves



18-inch, cast aluminium chassis, ferrite magnet subwoofer

- Airflow vented magnet assembly for dynamic heat dispersion
- Twin demodulation rings
- Longer coil for greater control at high excursion
- Optimised double suspension

3200W

97dB

5in

Continuous power rating

sensitivity

Round copper voice coil

General Specifications

Nominal Diameter 457mm / 18in Power Rating 1600W Continuous power rating 3200W Rated impedance 8 ohm Sensitivity 97dB 25-1500Hz Frequency range Chassis type Cast aluminium Magnet type Ferrite 4.93kg / 174oz Magnet weight Voice coil diameter 125mm / 5in Voice coil material Round copper Former material Glass fibre

Cone material Carbon and kevlar loaded

paper Cloth-sealed Double 12mm / 0.47in

12mm / 0.47in

VC winding height (Hvc) 30mm / 1.18in Additional impedances 4 ohm

Parameters

Xmax

Surround material

Gap height (Hg)

Suspension

Sd 1134.12cm2 / 175.79in2 Fs 34.50Hz Mms 265.42g / 9.36oz Qms 4.573 0.332 Qes Qts 0.309 Re 6.13 ohm $145.81I\,/\,5.15 ft^3$ Vas ΒΙ 32.59Tm Cms 0.08mm/N 12.59kg/s Rms Le (at 1kHz) 1.87mH

Packed Dimensions & Weight

Single pack size W x D x H 500mm x 500mm x 255mm / x

 $19.7 in \ 19.7 in \ x \ 10 in$ Single pack weight $24 kg \ / \ 52.8 lb$

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

