CELESTION

LF Loudspeakers

CF0617M

6.5-inch, cast aluminium chassis, ferrite magnet midrange driver

- Inverted dustcap for close positioning of phase plug
- High temperature environmentally robust foam surround
- Copper sleeved pole reduces HF inductive rise
- Chassis design allows for fixing of rear cover

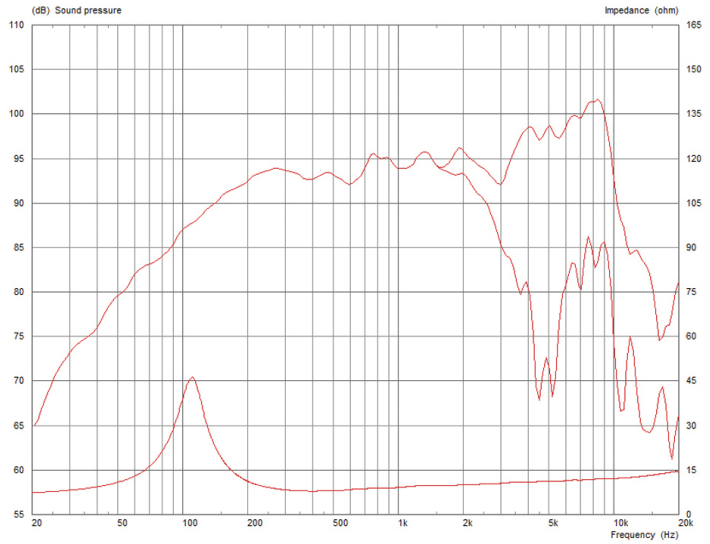
General Specifications

Nominal Diameter	165mm / 6.5in
Power Rating	200W
Continuous power rating	400W
Rated impedance	8 Ω
Sensitivity	96dB
Frequency range	300-7000Hz
Chassis type	Cast aluminium
Magnet type	Ferrite
Magnet weight	0.6kg / 22oz
Voice coil diameter	45mm / 1.75in
Voice coil material	Edgewound copper clad aluminium
Former material	Glass fibre
Cone material	Kevlar loaded paper
Surround material	Temperature-resistant foam
Suspension	Single
Gap height (Hg)	6mm / 0.24in
VC winding height (Hvc)	8.4mm / 0.33in

Mounting Information

Overall diameter	189mm / 7.44in (max)
Overall depth	78.5mm / 3.1in
Cut-out diameter	150mm / 5.9in
Mounting hole dimensions	7.5x5.5mm / 0.3x0.22in
Number of mounting holes	4
Mounting hole PCD	173-175mm / 6.81-6.89in
Unit weight	1.9kg / 4.2lb

Frequency Response and Impedance Curves



Topmost curve: Frequency response on axis | Secondary curve: Frequency response at 45° off axis

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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? anechoic environment.

Parameters: Measured after unit subjected to pre-conditioning signal.

Xmax: 0.5*(Hvc-Hg) + 0.25*Hg

Parameters

Sd	153.94cm2 / 23.86in^2
Fs	116.6Hz
Mms	11.59g / 0.41oz
Qms	6.93
Qes	0.481
Qts	0.451
Re	5.3 Ω
Vas	5.39l / 0.19ft ^{3}
Bi	9.68Tm
Cms	0.16mm/N
Rms	1.23kg/s
Le (at 1kHz)	1.73mH
Xmax	2.7mm / 0.11in

Packed Dimensions & Weight

Single pack size W x D x H	190mm x 190mm x 110mm / 7.5in x 7.5in x 4.3in
Single pack weight	2.5kg / 5.5lb
Multi pack qty	8
Multi pack size W x D x H	345mm x 345mm x 190mm / 13.6in x 12.4in x 7.5in
Multi pack weight	20kg / 44lb

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