CELESTION

LF Loudspeakers

CN0617M

6.5-inch cast aluminium chassis, neodymium magnet midrange driver

- Inverted dustcap for close positioning of phase plug.
- High temperature environmentally robust foam surround.
- Copper sleeved pole to reduce distortion.
- Chassis design allows for fixing of rear cover

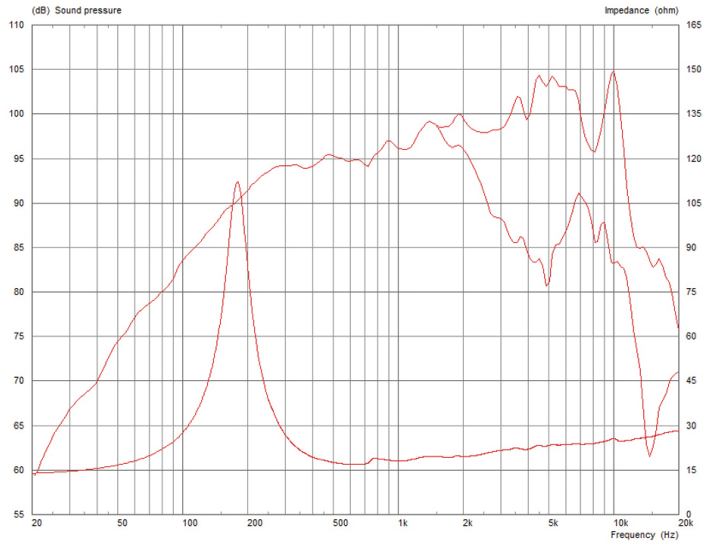
General Specifications

Nominal Diameter	165mm / 6.5in
Power Rating	200W
Continuous power rating	400W
Rated impedance	16 Ω
Sensitivity	99dB
Frequency range	300-7000Hz
Chassis type	Cast aluminium
Magnet type	Neodymium
Voice coil diameter	44mm / 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	68mm / 2.7in
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	1.1kg / 2.4lb

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	197.50Hz
Mms	10.75g / 0.38oz
Qms	5.641
Qes	0.550
Qts	0.501
Re	12.85 Ω
Vas	2.03l / 0.07ft ^{3}
Bi	17.65Tm
Cms	0.06mm/N
Rms	2.36kg/s
Xmax	2.7mm / 0.11in

Packed Dimensions & Weight

Multi pack qty	8
Multi pack size W x D x H	350mm x 350mm x 190mm / 13.7in x 13.7in x 7.4in
Multi pack weight	10kg / 22lb

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