CELESTION

LF Loudspeakers

CF0820M

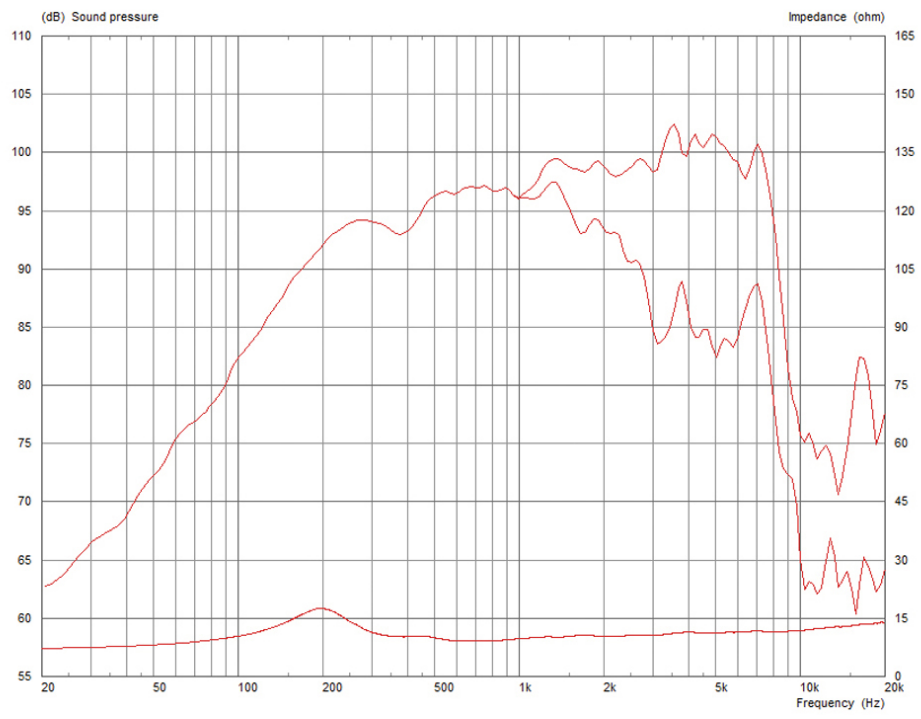






- Dedicated midrange driver
- Copper sleeved pole reduces HF inductive rise
- Narrow edged chassis for close packing
- Airflow vented for dynamic heat dispersion

Frequency Response and Impedance Curves



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

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

General Specifications

Nominal Diameter	200mm / 8in
Power Rating	250W
Continuous power rating	500W
Rated impedance	8
Sensitivity	98dB
Frequency range	150-6000Hz
Chassis type	Cast aluminium
Magnet type	Ferrite
Magnet weight	1.3kg / 45oz
Voice coil diameter	50mm / 2in
Voice coil material	Copper clad aluminium
Former material	Glass fibre
Cone material	Treated paper
Surround material	Cloth-sealed
Suspension	Single
Xmax	3.5mm / 0.14in
Gap height (Hg)	8mm / 0.31in
VC winding height (Hvc)	11mm / 0.43in

Mounting Information

Overall diameter	215mm / 8.5in
Overall depth	113mm / 4.45in
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	3.4kg / 7.5lb

Parameters

Sd	226.98cm2 / 35.18in2
Fs	202.00Hz
Mms	21.38g / 0.75oz
Qms	1.784
Qes	0.831
Qts	0.567
Re	5.39
Vas	2.12l / 0.07ft3
Bi	13.27Tm
Cms	0.03mm/N
Rms	15.21kg/s
Le (at 1kHz)	0.12mH
Xmax	3.5mm / 0.14in

Packed Dimensions & Weight

Multi pack qty	8
Multi pack size W x D x H	465mm x 455mm x 250mm / 18.3in x 17.9in x 9.8in
Multi pack weight	27.5kg / 60lb

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