LF Loudspeakers

CF0820BMB

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

- Balanced airflow venting provides enhanced cooling
- Half-roll elastomer surround

500W
Continuous power rating

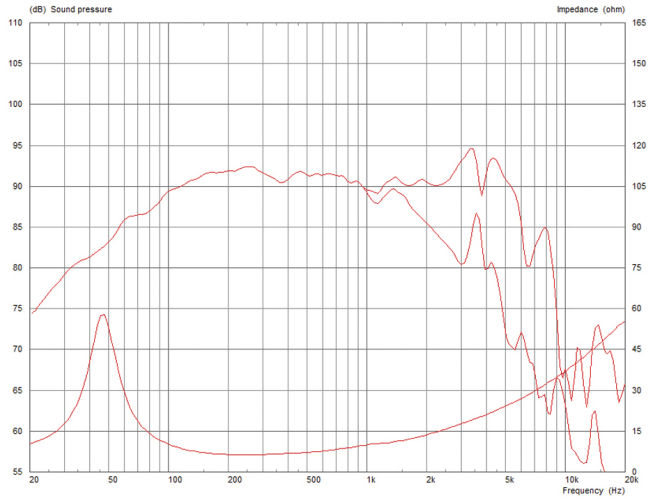
93dB
Sensitivity

2in
Copper clad aluminium voice coil

Mounting Information

Overall diameter	215mm / 8.5in
Overall depth	108mm / 4.3in
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	3.1kg / 6.8lb

Frequency Response and Impedance Curves



General Specifications

Nominal Diameter	200mm / 8in
Power Rating	250W
Continuous power rating	500W
Rated impedance	8 ohm
Sensitivity	93dB
Frequency range	50-6000Hz
Chassis type	Cast aluminium
Magnet type	Ferrite
Magnet weight	0.99kg / 35oz
Voice coil diameter	50mm / 2in
Voice coil material	Copper clad aluminium
Former material	Glass fibre
Cone material	Treated paper
Surround material	Elastomer
Suspension	Single
Gap height (Hg)	8mm / 0.31in
VC winding height (Hvc)	18.5mm / 0.73in
Additional impedances	16 ohm

Parameters

Sd	226.98cm^2 / 35.18in^2
Fs	50.50Hz
Mms	32.35g / 1.14oz
Qms	5.095
Qes	0.394
Qts	0.366
Re	5.45 ohm
Vas	22.42l / 0.79ft^3
Bl	11.92Tm
Cms	0.31mm/N
Rms	2.01kg/s
Le (at 1kHz)	0.78mH
Xmax	7.25mm / 0.29in

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

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

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