

### CF1230BMB

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



Optimised for bass and mid/bass applications  
Half-roll Elastomer surround enables greater  
Xmax/Xmech Modified T-pole enhances performance  
through improved BI symmetry Airflow vented magnet  
assembly for dynamic heat dispersion Demodulation  
ring for reduced harmonic and intermodulation  
distortion

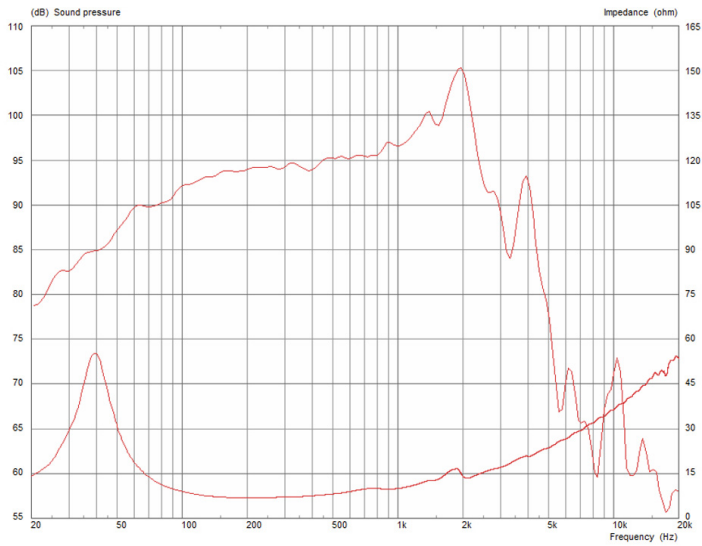
### General Specifications

Nominal Diameter	305mm / 12in
Power Rating	350W
Continuous power rating	700W
Rated impedance	8 $\Omega$
Sensitivity	96dB
Frequency range	50-3,000Hz
Chassis type	Cast aluminium
Magnet type	Ferrite
Magnet weight	2.2kg / 75oz
Voice coil diameter	75mm / 3in
Voice coil material	Copper clad aluminium
Former material	Glass Fibre
Cone material	Glass loaded paper (weather-resistant)
Surround material	Elastomer
Suspension	Single
Gap height (Hg)	8mm / 0.31in
VC winding height (Hvc)	18mm / 0.7in
Additional impedances	16?

### Mounting Information

Overall diameter	315mm / 12.4in
Overall depth	155.5mm / 6.1
Cut-out diameter	285.6mm / 11.24in
Mounting hole dimensions	10mmx6.5mm / 0.39in x0.26in
Number of mounting holes	8
Mounting hole PCD	294-300mm / 11.6-11.8in
Unit weight	6.75kg / 14.9lb

## Frequency Response and Impedance Curves



## Parameters

Sd	530.93cm <sup>2</sup> / 82.3in <sup>2</sup>
Fs	43.4Hz
Mms	88.41g / 3.12oz
Qms	4.451
Qes	0.417
Qts	0.381
Re	5.84 Ω
Vas	60.68l / 2.14ft <sup>3</sup>
Bi	18.38Tm
Cms	0.152mm/N
Rms	5.416kg/s
Le (at 1kHz)	0.713mH
Xmax	7mm / 0.28in

**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:**  $0.5 \cdot (H_{vc} - H_g) + 0.25 \cdot H_g$