

### CF0820BMB

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



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

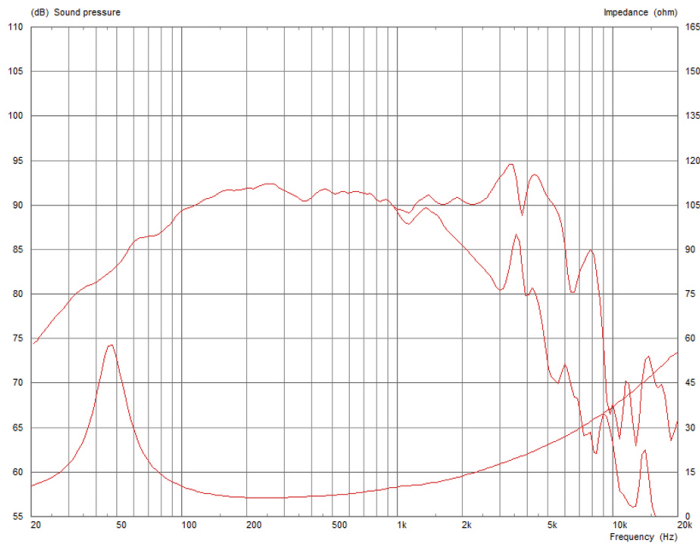
### General Specifications

|                         |                       |
|-------------------------|-----------------------|
| Nominal Diameter        | 200mm / 8in           |
| Power Rating            | 250W                  |
| Continuous power rating | 500W                  |
| Rated impedance         | 8 $\Omega$            |
| 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?                   |

### 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



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

## Parameters

|              |  |
|--------------|--|
| Sd           | 226.98cm <sup>2</sup> / 35.18in <sup>2</sup> |
| Fs           | 50.50Hz                                      |
| Mms          | 32.35g / 1.14oz                              |
| Qms          | 5.095  |
| Qes          | 0.394  |
| Qts          | 0.366  |
| Re           | 5.45 Ω                                       |
| Vas          | 22.42l / 0.79ft <sup>3</sup>                 |
| Bi           | 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                                   |