

CF1840H

18-inch, cast aluminium chassis, ferrite magnet LF driver



- Rigid lightweight carbon fibre loaded cone
- Balanced airflow venting provides enhanced cooling
- Twin demodulation rings
- Low mass coil reinforcement

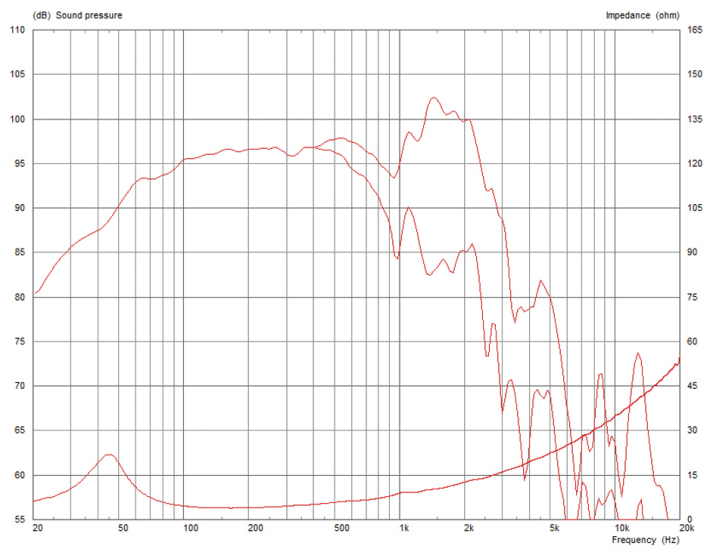
General Specifications

|                         |                           |
|-------------------------|---------------------------|
| Nominal Diameter        | 457mm / 18in              |
| Power Rating            | 1000W                     |
| Continuous power rating | 2000W                     |
| Rated impedance         | 4 Ω                       |
| Sensitivity             | 97dB                      |
| Frequency range         | 30-2500Hz                 |
| Chassis type            | Cast aluminium            |
| Magnet type             | Ferrite                   |
| Magnet weight           | 3.18kg / 112oz            |
| Voice coil diameter     | 100mm / 4in               |
| Voice coil material     | Round copper              |
| Former material         | Glass fibre               |
| Cone material           | Carbon fibre loaded paper |
| Suspension              | Single                    |
| Gap height (Hg)         | 9.5mm / 0.37in            |
| VC winding height (Hvc) | 25mm / 0.99in             |

Mounting Information

|                          |                           |
|--------------------------|---------------------------|
| Overall diameter         | 460mm / 18.11in           |
| Overall depth            | 220mm / 8.7in             |
| Cut-out diameter         | 414mm / 16.24in           |
| Mounting hole dimensions | 11x7mm / 0.43x0.28in      |
| Number of mounting holes | 8                         |
| Mounting hole PCD        | 441-432mm / 17.36-17.01in |
| Unit weight              | 11.6kg / 25.5lb           |

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:** Hvc-Hg/2

Parameters

|              |                                    |
|--------------|------------------------------------|
| Sd           | 1134.12cm2 / 175.79in <sup>2</sup> |
| Fs           | 38.50Hz                            |
| Mms          | 158.70g / 5.60oz                   |
| Qms          | 3.921                              |
| Qes          | 0.385                              |
| Qts          | 0.351                              |
| Re           | 3.04 Ω                             |
| Vas          | 196.7l / 6.95ft <sup>3</sup>       |
| Bi           | 17.41Tm                            |
| Cms          | 0.11mm/N                           |
| Rms          | 9.76kg/s                           |
| Le (at 1kHz) | 0.95mH                             |
| Xmax         | 8mm / 0.31in                       |

Packed Dimensions & Weight

|                            |  |
|----------------------------|--|
| Single pack size W x D x H | 500mm x 500mm x 255mm / 19.7in x 19.7in x 11in |
| Single pack weight         | 13kg / 28.6lb                                  |

