

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

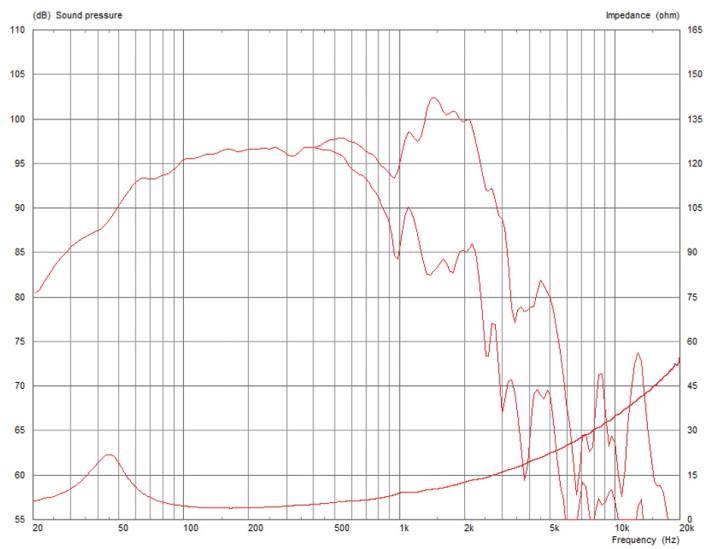
General Specifications

| | |
|-------------------------|---------------------------|
| Nominal Diameter | 457mm / 18in |
| Power Rating | 1000W |
| Continuous power rating | 2000W |
| Rated impedance | 4&ohm |
| 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 | 1134.12cm ² / 175.79in ² |
| Fs | 38.50Hz |
| Mms | 158.70g / 5.60oz |
| Qms | 3.921 |
| Qes | 0.385 |
| Qts | 0.351 |
| Re | 3.04&ohm |
| Vas | 196.7l / 6.95ft ³ |
| 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 |

