



FTR18-4080F

Ferrite magnet cast aluminium chassis driver

General Specifications

| | |
|---------------------------|--|
| Nominal diameter | 457mm/18in |
| Power rating ¹ | 600Wrms |
| Nominal impedance | 8Ω |
| Sensitivity ² | 97dB |
| Frequency range | 30-3000Hz |
| Voice coil diameter | 100mm/4in |
| Chassis type | Cast Aluminium |
| Magnet type | Ferrite |
| Magnet weight | 3.1kg/110oz |
| Coil material | Round copper |
| Former material | Glass fibre |
| Cone material | Glass loaded paper with weather resistant impregnation |
| Surround material | Cloth-sealed |
| Suspension | Single |
| Xmax ³ | 6mm/0.24in |
| Gap depth | 10mm/0.39in |
| Voice coil winding width | 22mm/0.87in |

Small Signal Parameters

| | |
|--------------|-----------------------------|
| D | 0.38m/14.96in |
| Fs | 32.7Hz |
| Mms | 158.22g/5.58oz |
| Mmd | 136.61g/4.82oz |
| Qms | 5.24 |
| Qes | 0.32 |
| Qts | 0.30 |
| Re | 5.31Ω |
| Vas | 271.99lt/9.6ft ³ |
| Bl | 23.31Tm |
| Cms | 0.15mm/N |
| Rms | 6.21kg/s |
| Le (at 1kHz) | 1.46mH |

Mounting Information

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|--------------------------|----------------------------|
| Overall diameter | 452mm/17.8in |
| Overall depth | 205mm/8.07in |
| Cut-out diameter | 416mm/16.38in |
| Mounting slot dimensions | 10mm x 7mm/0.39in x 0.27in |
| Number of mounting slots | 8 |
| Mounting PCD range | 429-440mm/16.89-17.32in |
| Unit weight | 9.7kg/21.4lb |

Packed Dimensions & Weight

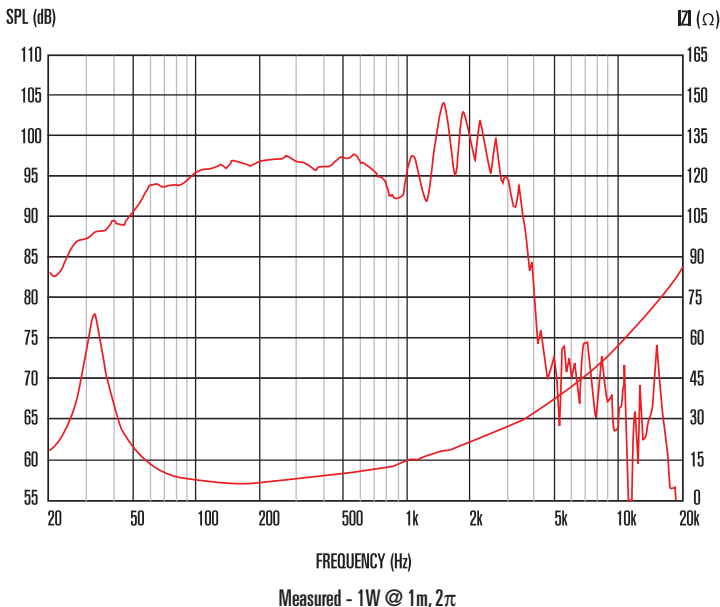
| | |
|--------------------------------|---------------------------|
| Single pack size W x D x H | 500mm x 500mm x 240mm |
| | /19.7in x 19.7in x 9.4in |
| Single pack weight | 11.5kg/25.4lb |
| Multi pack (24) size W x D x H | 1500mm x 1000mm x 980mm |
| | /59.1in x 39.4in x 38.6in |
| Multi pack (24) weight | 278kg/608lb |



Features

- 18" ferrite woofer provides 600Wrms power handling (AES Standard) and 97dB sensitivity
- 4" high temperature Inside/Outside voice coil efficiently dissipates heat, preventing sensitivity loss through thermal compression
- Flexirol™ surround for greater excursion control
- Low frequency response, down to 30Hz
- Smart chassis design minimises acoustic distortion
- Specially treated weather-resistant cone

Frequency Response and Impedance Curves



1. 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.
 2. Measured on axis at 1W, 1m in 2π anechoic environment.
 3. Xmax derived from: (voice coil winding width-gap depth)/2.