



FTR18-4080FD

Ferrite magnet aluminium chassis driver

General Specifications

Nominal diameter	457mm/18in
Power rating ¹	1000Wrms
Nominal impedance	8Ω
Sensitivity ²	97dB
Frequency range	30-2500Hz
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	Double
Xmax ³	6mm/0.24in
Gap depth	10mm/0.39in
Voice coil winding width	22mm/0.87in

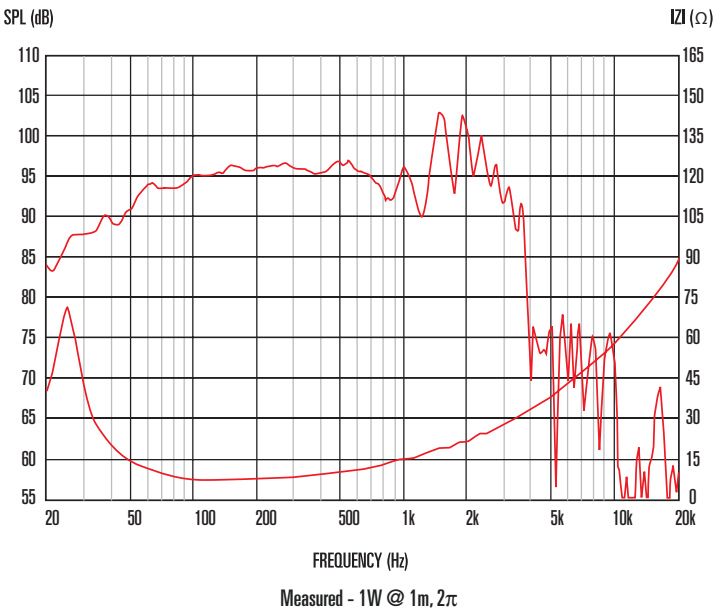
Features

- 18" ferrite woofer provides 1000Wrms 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
- Double suspension for exceptional linearity at the highest excursions
- Low frequency response, down to 30Hz
- Smart chassis design minimises acoustic distortion
- Specially treated, weather-resistant cone

Small Signal Parameters

D	0.38m/14.96in
Fs	26Hz
Mms	172.42g/6.08oz
Mmd	150.81g/5.32oz
Qms	4.33
Qes	0.29
Qts	0.27
Re	5.39Ω
Vas	395.56lt/13.96ft ³
Bl	22.88Tm
Cms	0.22mm/N
Rms	6.506kg/s
Le (at 1kHz)	1.41mH

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.

Mounting Information

Overall diameter	462mm/18.19in
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	9.8kg/21.6lb

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	11.6kg/25.6lb
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

