

# FTR18-4080FD

Ferrite magnet cast aluminium chassis driver

## General Specifications

Nominal diameter	457mm/18in
Power rating <sup>1</sup>	1000Wrms
Nominal impedance	8Ω
Sensitivity <sup>2</sup>	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 <sup>3</sup>	6mm/0.24in
Gap depth	10mm/0.39in
Voice coil winding width	22mm/0.87in

## 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	395.56ft/13.96ft <sup>3</sup>
Bl	22.88Tm
Cms	0.22mm/N
Rms	6.506kg/s
Le (at 1kHz)	1.41mH

## Mounting Information

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	9.8kg/21.6lb

## Packed Dimensions & Weight

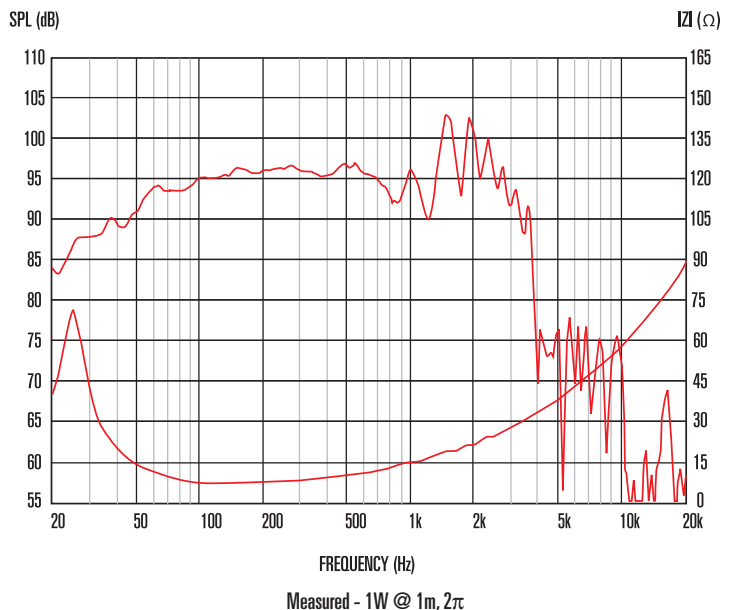
Single pack size W x D x H	500mm x 500mm x 240mm
	/19.7in x 19.7in x 9.4in
Single pack weight	11.6kg/25.6lb
Multi pack (24) size W x D x H	1500mm x 1000mm x 980mm
	/59.1in x 39.4in x 38.6in
Multi pack (24) weight	278kg/608lb



## 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

## 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.