

FTR18-4080FDX

Ferrite magnet aluminium chassis driver



General Specifications

Nominal diameter	457mm/18in
Power rating ¹	600Wrms
Nominal impedance	8Ω
Sensitivity ²	96dB
Frequency range	30-1000Hz
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 fibre reinforced paper
Surround material	Cloth-sealed
Suspension	Double
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	37.3Hz
Mms	206.36g/7.28oz
Mmd	184.75g/6.52oz
Qms	10.25
Qes	0.43
Qts	0.413
Re	5.62Ω
Vas	160.74lt/5.67ft ³
Bl	25.116Tm
Cms	0.088mm/N
Rms	4.716kg/s
Le (at 1kHz)	1.52mH

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

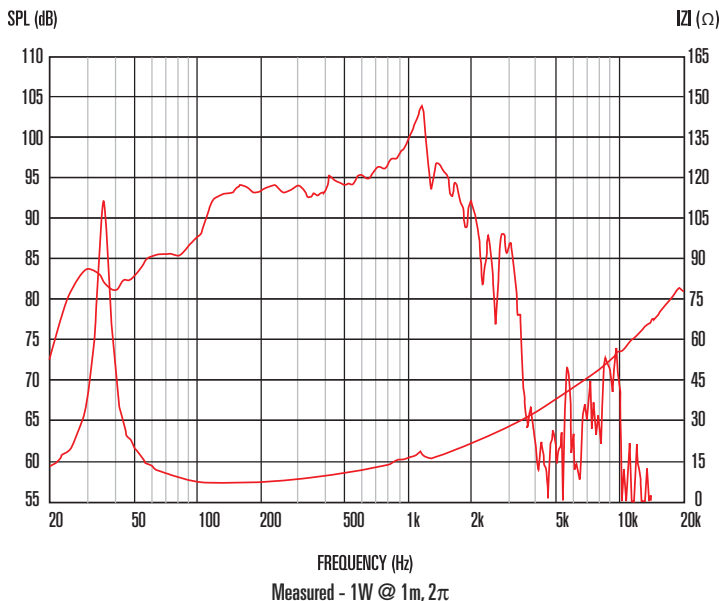
Single pack size W x D x H	500mm x 500mm x 2240mm
	/19.7in x 19.7in x 9.4in
Single pack weight	11.6kg/25.6lb
Multi pack (24) size W x D x H	1500mm x 1000mm x 980mm
	/59.1in x 39.4in x 38.6in
Multi pack (24) weight	278kg/608lb



Features

- 18" ferrite woofer provides 600Wrms power handling (AES standard) and 96dB sensitivity
- 4" high temperature Inside/Outside voice coil efficiently dissipates heat, preventing sensitivity loss through thermal compression
- FEA optimised magnet assembly provides low harmonic distortion and very high motor strength
- Ribbed, straight-sided, glass-loaded cone, with Flexirol™ surround for greater excursion control
- Double suspension for exceptional linearity at the highest excursions
- Smart chassis design minimises acoustic distortion

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.