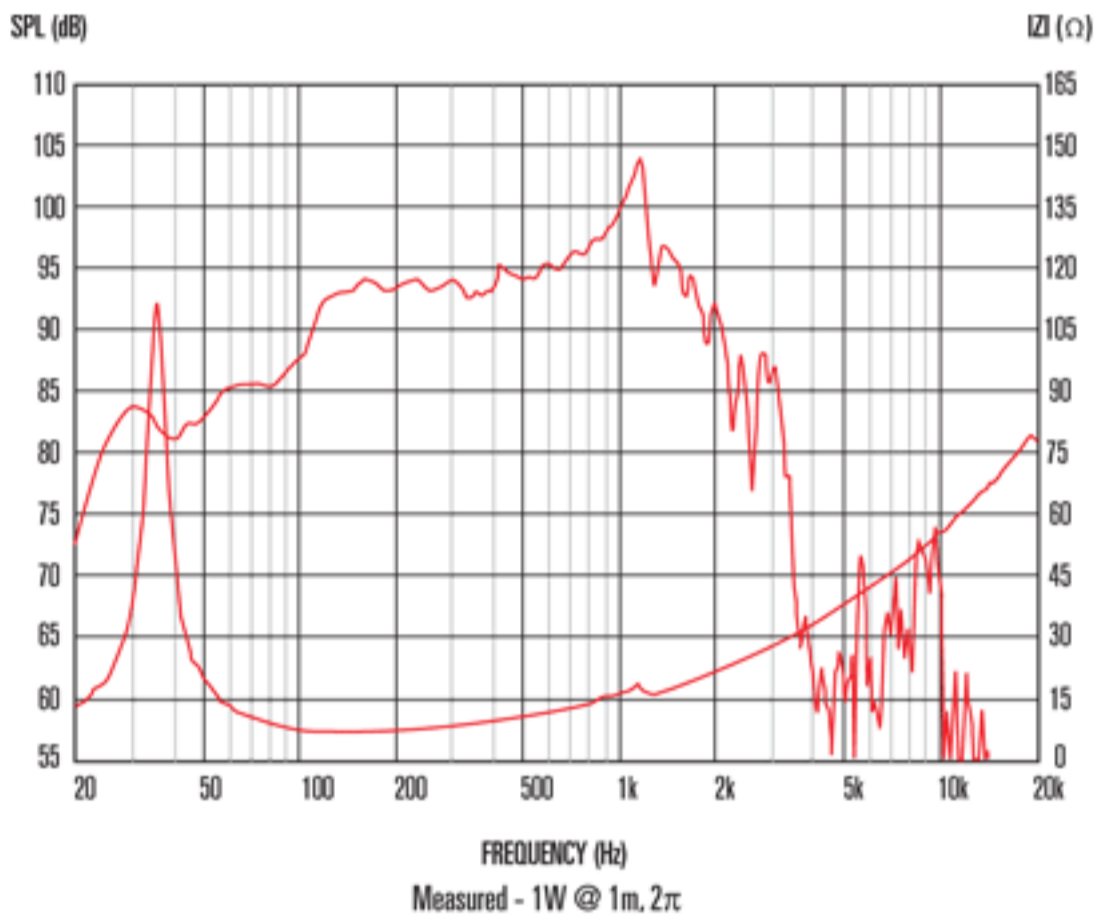


FTR18-4080FDX



- Ferrite 18 inch woofer provides 800Wrms 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 FlexirolTM surround for greater excursion control
- Double suspension for exceptional linearity at the highest excursions
- Smart chassis design minimises acoustic distortion

8 Frequency Response



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. Continuous Power Handling is defined as 3dB greater than the AES rating.
3. Tested as per the EIA-426-A standard.
4. Measured on axis at 1W, 1m in 2¹ anechoic environment.
5. Xmax derived from: (voice coil winding width-gap depth)/2.
6. Small signal parameters measured after unit subjected to pre-conditioning signal.

General Specifications

Nominal diameter	457mm/18in
Power rating ¹	800Wrms
Continuous power rating ²	1600W
EIA power rating ³	1000W
Nominal impedance	8
Sensitivity ⁴	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 ⁵	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
Qms	10.25
Qes	0.43
Mmd	184.75g/6.52oz
Qts	0.413
Re	5.62
Vas	160.74lt/5.67ft3
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 size W x D x H	500mm x 500mm x 2240mm /19.7in x 19.7in x 9.4in
Multi pack weight	11.6kg/25.6lb