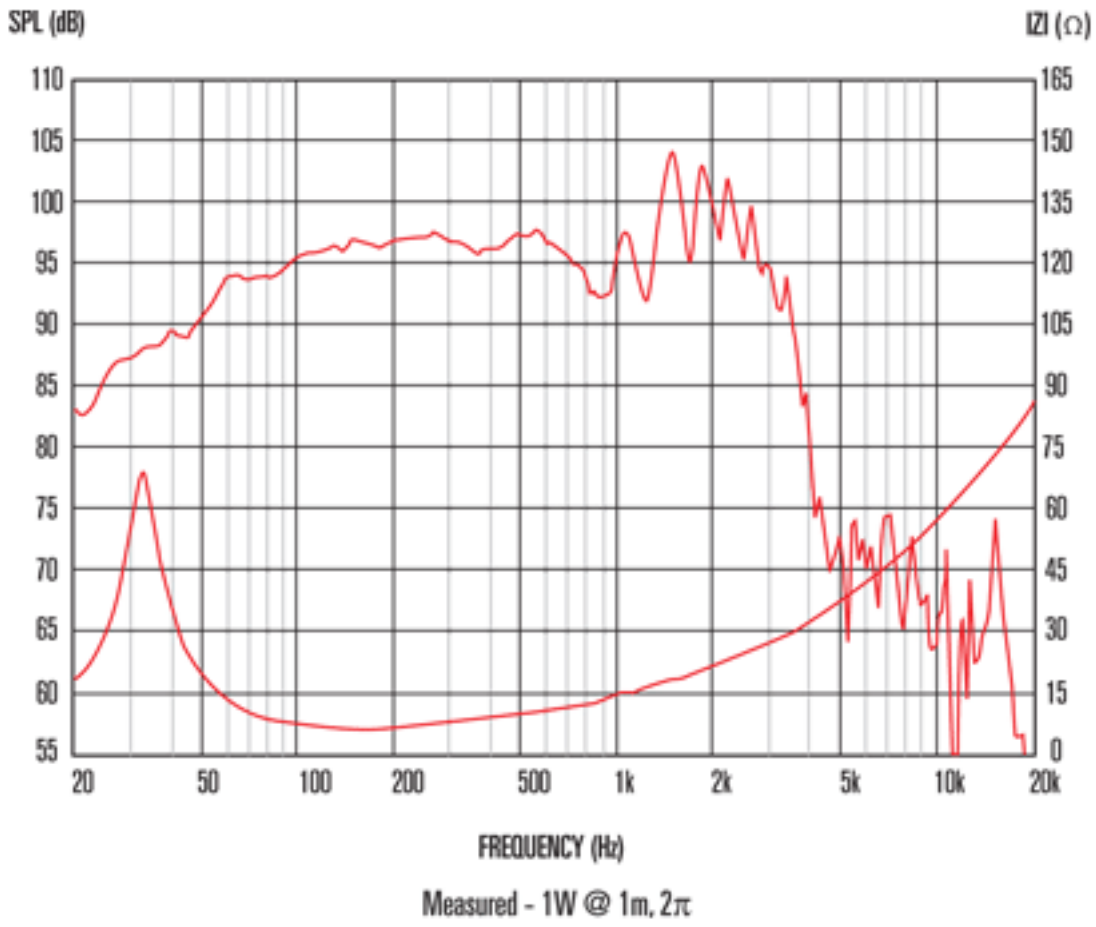
LF Cast Chassis / Ferrite

FTR18-4080F

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
- FlexirolTM surround for greater excursion control
- Low frequency response, down to 30Hz
- Smart chassis design minimises acoustic distortion
- Specially treated weather-resistant cone

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

General Specifications

Nominal diameter	457mm/18in
Power rating [1]	600Wrms
Nominal impedance	8 Ω
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	5.31 Ω
Vas	271.99lt/9.6ft3
Bl	23.31Tm
Cms	0.15mm/N
Rms	6.21kg/s
Le (at 1kHz)	1.46mH

Mounting Information

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	276kg/608lb

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