

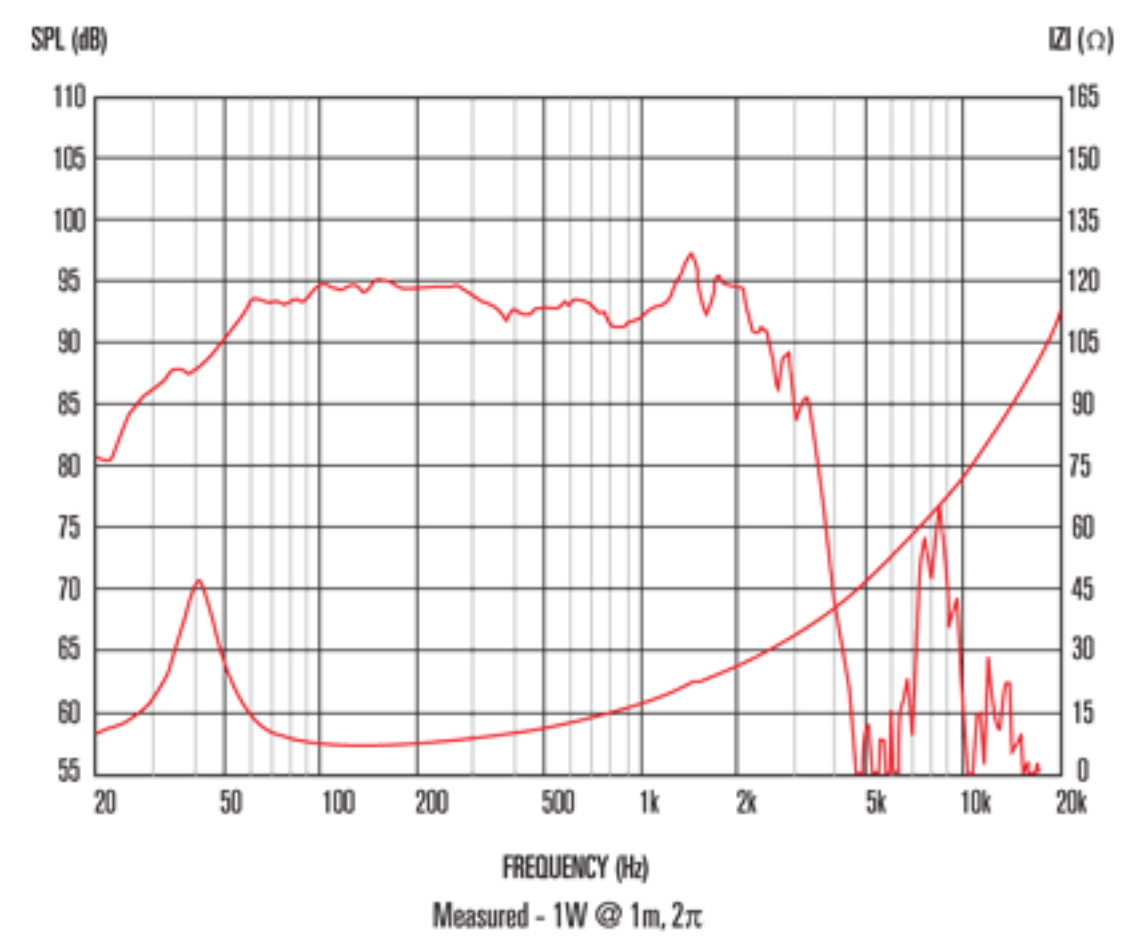
FTR18-4080HDX



Features

- 18" ferrite subwoofer provides 1000Wrms (AES standard) power handling and a frequency response of 30Hz-2500Hz
- 4" high temperature Inside/Outside voice coil efficiently dissipates heat, preventing sensitivity loss through thermal compression
- Double suspension and a “multi-roll” surround provide exceptional linearity at extremes of cone excursion
- Intelligent heat management in both chassis and magnet assembly design further minimizes distortion
- Less than 10kg – very low weight for this product class

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.

Measured on axis at 1W, 1m in 2 anechoic environment.
3.

Xmax derived from: (voice coil winding width-gap depth)/2.
4.

Small signal parameters measured after unit subjected to pre-conditioning signal.

General Specifications

Nominal diameter	457mm/18in
Power rating <sup>1</sup>	1000Wrms
Nominal impedance	8
Sensitivity <sup>2</sup>	95dB
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>	8mm/0.33in
Gap depth	9.5mm/0.37in
Voice coil winding width	25mm/0.99in

Small Signal Parameters <sup>4</sup>

D	0.38m/14.96in
Fs	35.5Hz
Mms	199.02g/7.025oz
Mmd	177.41g/6.26oz
Qms	5.74
Qes	0.46
Qts	0.42
Re	5.01
Vas	184.24lt/6.5ft3
Bl	22.11Tm
Cms	0.10mm/N
Rms	7.72kg/s
Le (at 1kHz)	1.81mH

Mounting Information

Diameter	462mm/18.19in
Overall depth	205mm/8.07in
Cut-out diameter	416mm/16.38in
Mounting slot dimensions	10mm x 7mm/0.4in 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	1210mmx1050mmx980mm /47.6in x 41.3in x 35.4in
Multi pack (24) weight	260kg/572lb