

FTR15-4080HDX

Ferrite magnet cast aluminium chassis driver

General Specifications

Nominal diameter	381mm/15in
Power rating ¹	1000Wrms
Nominal impedance	8Ω
Sensitivity ²	96dB
Frequency range	40-2500Hz
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 ³	8mm/0.33in
Gap depth	9.5mm/0.37in
Voice coil winding width	25mm/0.99in

Small Signal Parameters⁴

D	0.33m/12.99in
Fs	40.5Hz
Mms	153.53g/5.42oz
Mmd	139.38g/4.92oz
Qms	3.98
Qes	0.36
Qts	0.33
Re	5.10Ω
Vas	104.27lt/3.68ft ³
Bl	23.53Tm
Cms	0.10mm/N
Rms	9.81kg/s
Le (at 1kHz)	1.8mH

Mounting Information

Overall diameter	387mm/15.24in
Overall depth	180mm/7.1in
Cut-out diameter	351mm/13.82in
Mounting slot dimensions	10mm x 7mm/0.39in x 0.27in
Number of mounting slots	8
Mounting slot PCD range	365-375mm/14.37-14.76in
Unit weight	9.7kg/21.3lb

Packed Dimensions & Weight

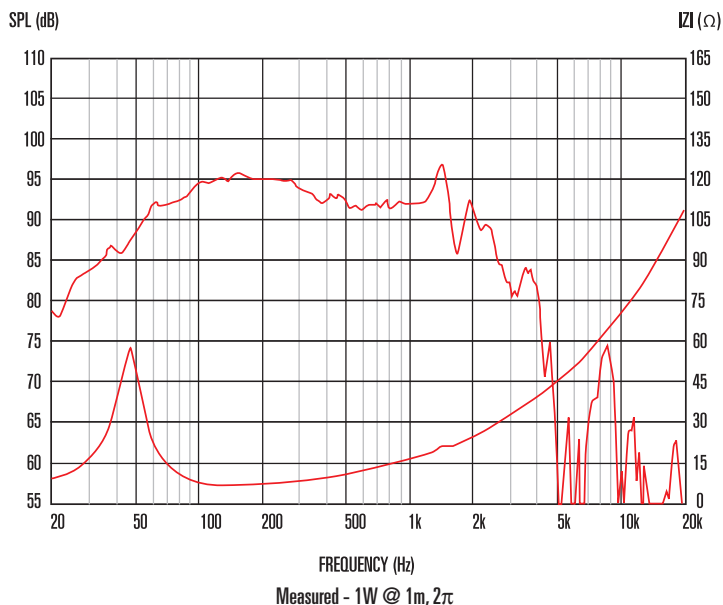
Single pack size W x D x H	435mm x 435mm x 200mm
	/17.1in x 17.1in x 7.9in
Single pack weight	11.5kg/25.4lb
Multipack (36) size W x D x H	1210mm x 1050mm x 980mm
	/47.6in x 41.3in x 35.4in
Multipack (36) weight	390kg/860lb



Features

- 15" ferrite woofer provides 1000Wrms (AES standard) power handling and a frequency response of 40Hz-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

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