CELESTION

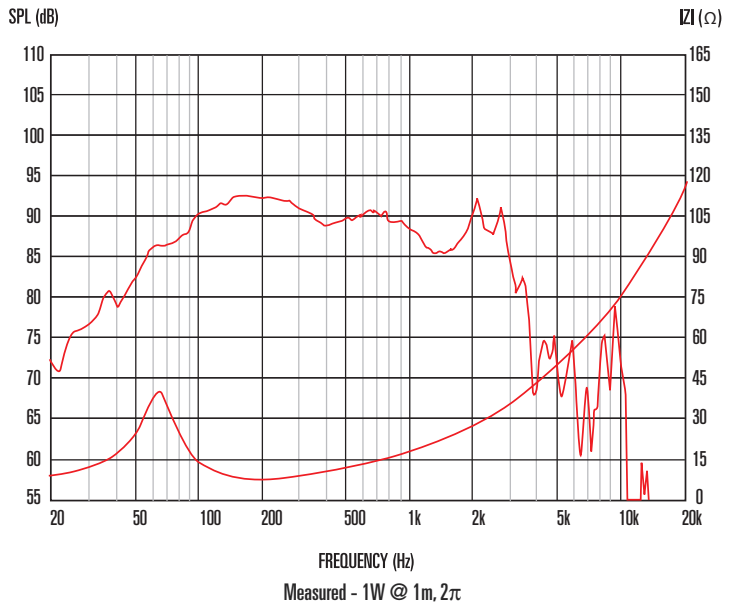
FTR12-4080HDX

Ferrite magnet aluminium chassis driver

Features

- **12" ferrite subwoofer provides 1000Wrms (AES standard) power handling and a frequency response of 47Hz-3kHz**
- **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**

Frequency Response and Impedance Curves



Measured - 1W @ 1m, 2π

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.

General Specifications

Nominal diameter	305mm/12in
Power rating[1]	1000Wrms
Nominal impedance	8Ω
Sensitivity[2]	93dB
Frequency range	47-3000Hz
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	Double
Xmax[3]	8mm/0.32in
Gap depth	9.5mm/0.37in
Voice coil winding width	25mm/0.98in

Small Signal Parameters[4]

D	0.26m/10.24in
Fs	61.2Hz
Mms	108.68g/3.84oz
Mmd	101.76g/3.59oz
Qms	2.228
Qes	0.446
Qts	0.372
Re	6.05Ω
Vas	24.79lt/0.875ft^3
Bl	23.81Tm
Cms	0.062mm/N
Rms	18.768kg/s
Le (at 1kHz)	1.92mH

Mounting Information

Overall diameter	313mm/12.3in
Overall depth	158mm/6.2in
Cut-out diameter	282mm/11.1in
Mounting slot dimensions	10mm x 7mm/0.39in x 0.27in
Number of mounting slots	8
Mounting slot PCD range	291-301mm/11.7-11.9in
Unit weight	9.6kg/21.1lb

Packed Dimensions & Weight

Single pack size W x D x H	350mm x 350mm x 180mm /13.8in x 13.8in x 7.1in
Single pack weight (kg/lb)	11.4kg/25.1lb
Multipack (36) size W x D x H	1210mm x 1050mm x 980mm /47.6in x 41.3in x 35.4in
Multipack (36) weight	380kg/836lb