

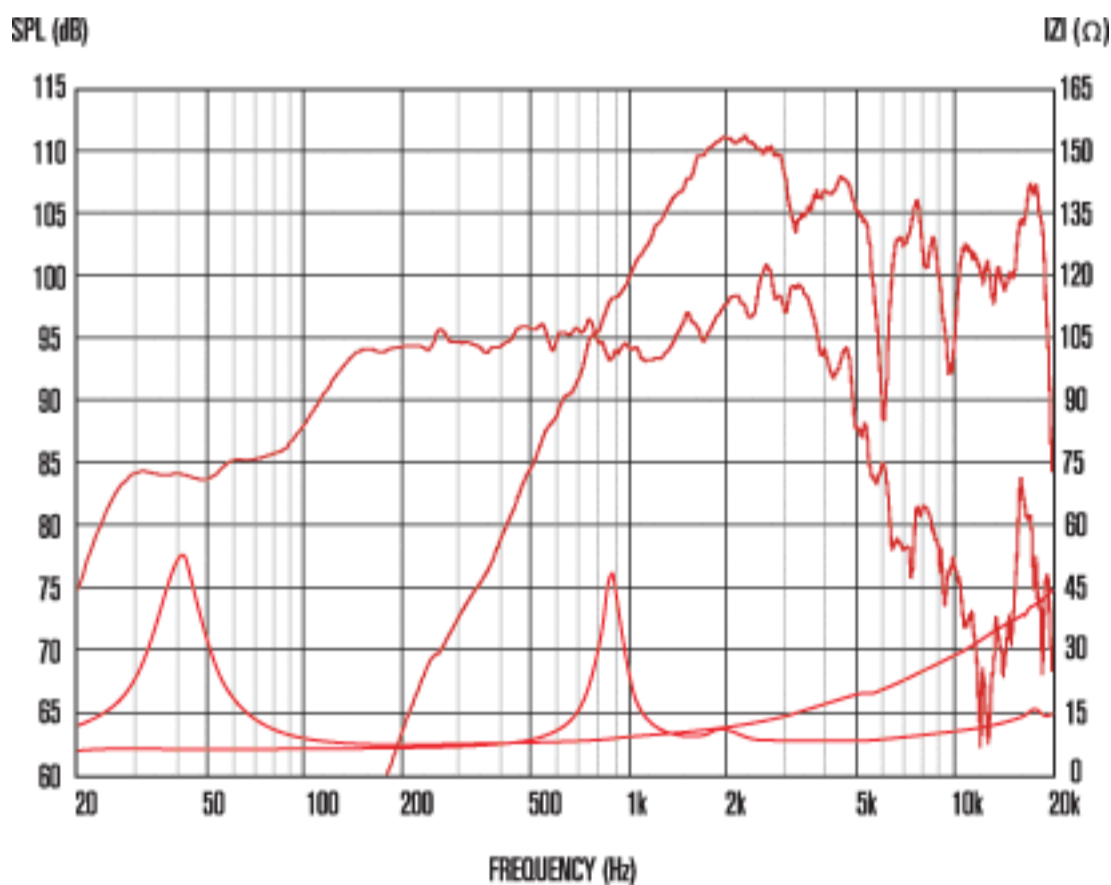
### FTX1225



#### Features

- 12" coaxial loudspeaker with 300Wrms (AES standard) power handling and 97dB sensitivity
- Full range frequency response: 50 – 20,000Hz
- FEA (Finite Element Analysis) optimized ferrite magnet assembly acts as common motor for both LF and HF drivers resulting in enhanced coherence
- Robust cast aluminium chassis is designed to minimize unwanted reflections, further reducing acoustic distortion
- Demodulation ring reduces flux modulation, minimizing electromagnetic distortion
- 2.5" edgewound copper clad aluminium voice coil wound on high temperature glass fibre former

#### 8 Frequency Response



1. Tested for two hours using a continuous, band-limited pink noisesignal 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	305mm/12in
Power rating <sup>1</sup>	300Wrms
Nominal impedance	8
Sensitivity <sup>2</sup>	97dB
Frequency range	50-4000Hz
Voice coil diameter	64mm/2.5in
Chassis type	Cast Aluminium
Magnet type	Ferrite
Magnet weight	2.3kg/81oz
Coil material	Edgewound copper clad aluminium
Former material	Glass fibre
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax <sup>3</sup>	4mm/0.16in
Gap depth	8mm/0.31in
Voice coil winding width	16mm/0.62in

#### Small Signal Parameters

D	0.26m/10.24in
Fs	47.8Hz
Mms	49.44g/1.95oz
Mmd	42.52g/1.5oz
Qms	5.714
Qes	0.409
Qts	0.382
Re	5.35
Vas	89.55lt/3.16ft <sup>3</sup>
Bl	13.94Tm
Cms	0.224mm/N
Rms	2.59kg/s
Le (at 1kHz)	0.78mH

#### General Specifications: HF

Power rating <sup>1</sup> ;	60 Wrms
Nominal impedance	8
Sensitivity <sup>2</sup> ;	104dB
Frequency range	1000-20,000Hz
Recommended min. crossover (12dB/oct)	2000Hz
Voice coil diameter	45mm/1.75in
Diaphragm and surround material	Polyimide

#### Mounting Information

Overall depth	168mm/6.61in
Cut-out diameter	286mm/11.26in
Mounting slot dimensions	7.5x6.5mm/0.29x0.26in
Number of mounting slots	8
Mounting PCD range	298-304mm/11.70-11.97in
Unit weight	5.9kg/13.0lb