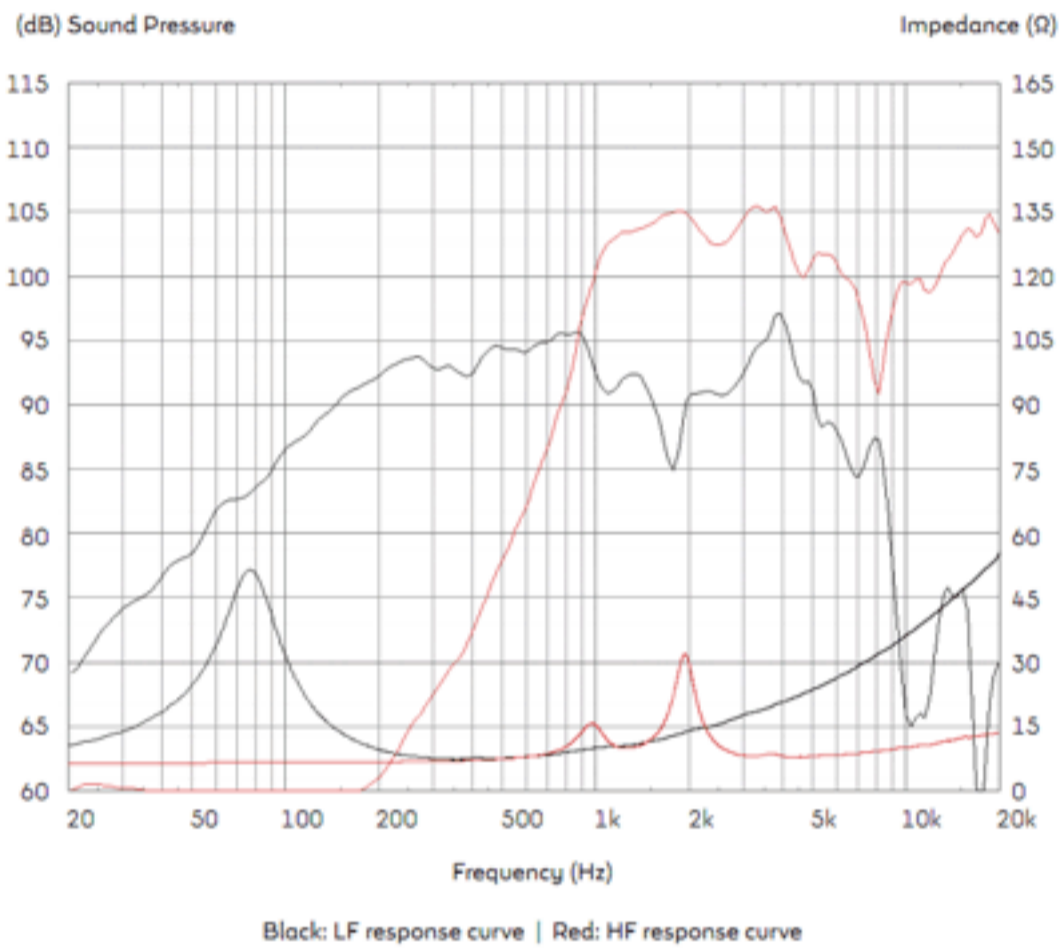


FTX0820



- Ferrite magnet assembly acts as common motor for both LF and HF
- Polyimide HF diaphragm
- Demodulation ring
- 100° nominal HF coverage
- HF repair kit available

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. Continuous Power rating is defined as 3dB greater than the AES rating
3. Measured on axis at 1W, 1m in 2¹ anechoic environment.
4. X_{max} derived from: (voice coil winding width-gap depth)/2.
5. Tested for two hours on plane wave tube using a continuous, band limited pink noise signal as per AES standard, Power calculated on minimum impedance
6. Continuous Power Handling is defined as 3dB greater than the AES rating

General Specifications

Size	200mm/8in
Power rating ¹	200Wrms
Continuous power rating ²	400W
Nominal impedance	8
Sensitivity ²	94dB
Frequency range	70-5,000Hz
Voice coil diameter	50mm/2in
Chassis type	Cast Aluminium
Magnet type	Ferrite
Magnet weight	1.5kg/54oz
Coil material	Edgewound copper
Former material	Glass fibre
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
X _{max} ⁴	2mm/0.8in
Gap depth	8mm/0.31in
Voice coil winding width	12mm/0.47in

Small Signal Parameters

D	0.17m/6.69in
F _s	78.8Hz
M _{ms}	22.66g/0.8.0oz
Q _{ms}	2.8
Q _{es}	0.31
M _{md}	19.19g/0.68oz
Q _{ts}	0.279
R _e	5.85
V _{as}	13.13l/0.46ft ³
Bl	14.56Tm
C _{ms}	0.18mm/N
R _{ms}	4.01kg/s
L _e (at 1kHz)	0.62mH

General Specifications: HF

Power rating ¹	40Wrms
Continuous power rating ⁶	80W
Nominal impedance	8Ω;
Sensitivity	103dB
Frequency range	1,500-20,000Hz
Recommended min. crossover (12dB/oct)	2,200Hz
Magnet type	Dual ferrite magnet motor
Voice coil diameter	34mm/1.4in
Diaphragm and surround material	Polyimide

Mounting Information

Diameter	225mm /8.6in (octagonal profile)
Overall depth	123mm/4.8in
Cut-out diameter	187mm/7.36in
Mounting slot dimensions	∅6.5mm/0.26in
Number of mounting slots	8
Mounting PCD range	210mm/8.27in
Unit weight	4.1kg/9.0lb

Packed Dimensions & Weight

Single pack size W x D x H	238mm x 238mm x 148mm /9.3in x 9.3in x 5.8in
Single pack weight	4.7kg/10.3lb