Coaxial Loudspeakers

FTX1530

15-inch cast aluminium chassis, ferrite magnet coaxial driver

- Ferrite magnet assembly acts as common motor for both LF and HF
- Titanium HF diaphragm
- Demodulation ring
- 90° nominal HF coverage
- HF repair kit available

800W
Continuous power rating

97dB
Sensitivity

3in
Edgewound copper clad aluminium voice coil

3in



Mounting Information

Overall diameter	387mm / 15.24in
Overall depth	176mm / 6.93in
Cut-out diameter	351mm / 13.82in
Mounting hole dimensions	10x7mm / 0.39x0.27in
Number of mounting holes	8
Mounting hole PCD	365-375mm / 14.37-14.76in
Unit weight	6.5kg / 14.3lb

Packed Dimensions & Weight

Single pack size W x D x H	428mm x 428mm x 228mm / 16.8in x 16.8in x 8.9in
Single pack weight	11kg / 24.2lb
Multi pack qty	36
Multi pack size W x D x H	1050mm x 1200mm x 950mm / 41.3in x 47.2in x 37.4in
Multi pack weight	360kg / 794lb

General Specifications

Nominal Diameter	381mm / 15in
Power Rating	400W
Continuous power rating	800W
Rated impedance	8 ohm
Sensitivity	97dB
Frequency range	40-4000Hz
Chassis type	Cast aluminium
Magnet type	Ferrite
Magnet weight	2.3kg / 81oz
Voice coil diameter	75mm / 3in
Voice coil material	Edgewound copper clad aluminium
Former material	Glass fibre
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Gap height (Hg)	8mm / 0.31in
VC winding height (Hvc)	16mm / 0.63in

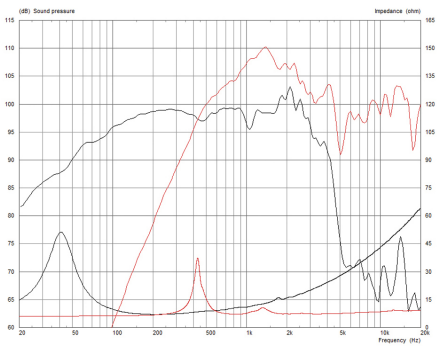
Parameters

Sd	855.30cm^2 / 132.57in^2
Fs	42.50Hz
Mms	84.29g / 2.97oz
Qms	3.809
Qes	0.297
Qts	0.276
Re	5.36 ohm
Vas	172.07l / 6.08ft^3
Bl	20.16Tm
Cms	0.17mm/N
Rms	5.91kg/s
Le (at 1kHz)	0.82mH
Xmax	6mm / 0.24in

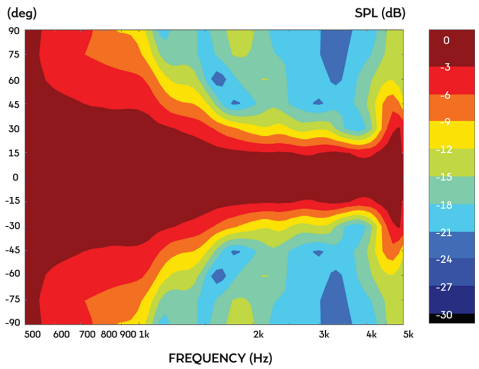
Additional HF Specifications

Power rating	75W
Continuous power rating	150W
Rated impedance	8 ohm
Sensitivity	106.5dB
Frequency range	800-18,000Hz
Recommended min. crossover 12d B/oct	1000Hz
Voice coil diameter	75mm / 3in
Magnet type	Dual-ferrite magnet motor
Diaphragm material	Titanium
Surround material	Polyimide

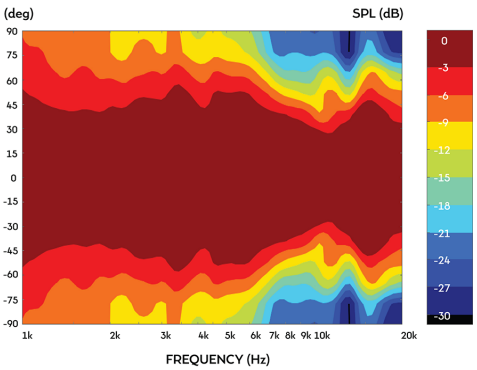
Frequency Response and Impedance Curves



LF Contour



HF Contour



Power rating: 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.
HF power rating: 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.
Continuous power rating: Defined as 3dB greater than the AES rating.
Sensitivity: Measured on axis at 1W, 1m in 2? anechoic environment.
Xmax: 0.5*(Hvc-Hg) + 0.25*Hg
Suggested crossover design available online at celestion.com/speakerworld

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