

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 clad copper voice aluminium coil

3in

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 |

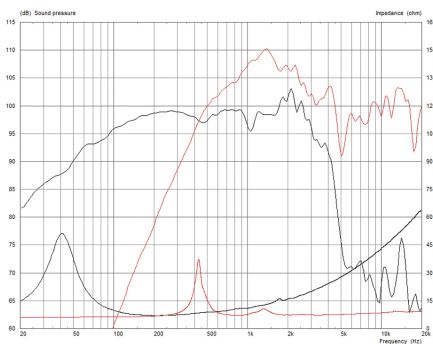
Mounting Information

| | |
|--------------------------|---------------------------|
| 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 |

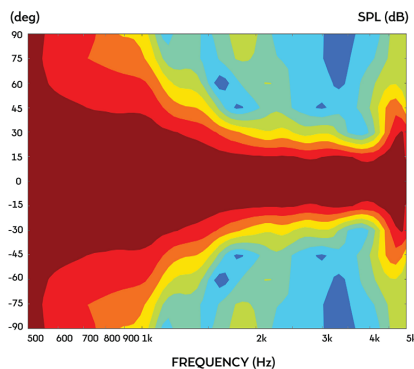
Packed Dimensions & Weight

| | |
|----------------------------|---|
| Single pack size W x D x H | 428mm x 428mm x 228mm / x 16.8in 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 |

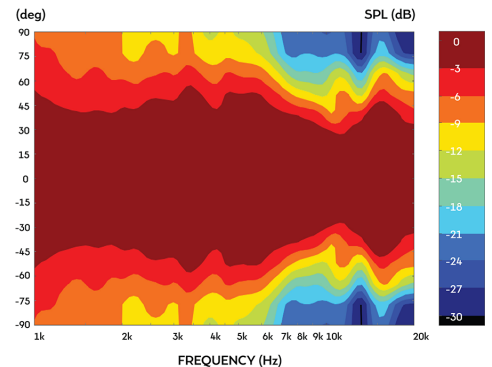
Frequency Response and Impedance Curves



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