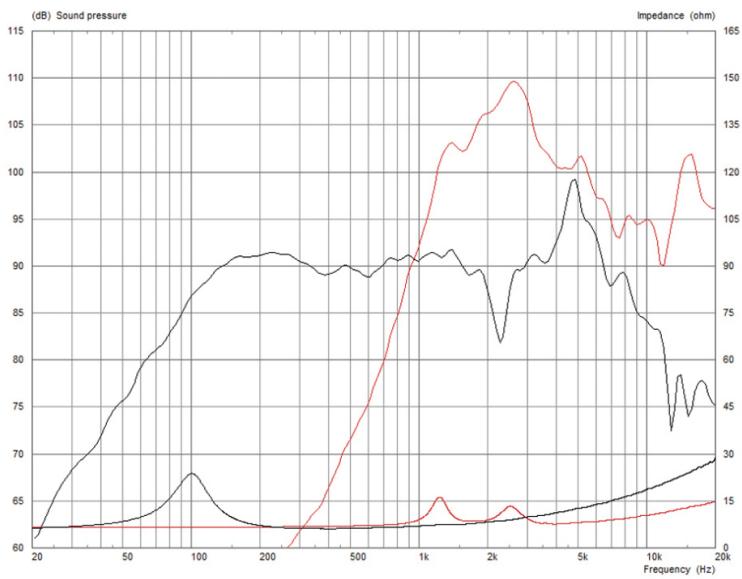


**FTX0617**



- 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

**Frequency Response and Impedance Curves**



Black: LF response curve | Red: HF response curve

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:  $0.5 \cdot (H_{vc} - H_g) + 0.25 \cdot H_g$

Suggested crossover design available online at [celestion.com/speakerworld](http://celestion.com/speakerworld)

**General Specifications**

|                         |                                 |
|-------------------------|---------------------------------|
| Nominal Diameter        | 165mm / 6.5in                   |
| Power Rating            | 150W                            |
| Continuous power rating | 300W                            |
| Rated impedance         | 8                               |
| Sensitivity             | 92dB                            |
| Frequency range         | 100-6000Hz                      |
| Chassis type            | Cast aluminium                  |
| Magnet type             | Ferrite                         |
| Magnet weight           | 0.88kg / 31oz                   |
| Voice coil diameter     | 44mm / 1.75in                   |
| Voice coil material     | Edgewound copper clad aluminium |
| Former material         | Glass fibre                     |
| Cone material           | Kevlar loaded paper             |
| Surround material       | Cloth-sealed                    |
| Suspension              | Single                          |
| Xmax                    | 3.5mm / 0.14in                  |
| Gap height (Hg)         | 6mm / 0.24in                    |
| VC winding height (Hvc) | 10mm / 0.4in                    |

**Mounting Information**

|                          |                         |
|--------------------------|-------------------------|
| Overall diameter         | 189mm / 7.44in (max)    |
| Overall depth            | 93mm / 3.7in            |
| Cut-out diameter         | 150mm / 5.9in           |
| Mounting hole dimensions | 6.5x5.5mm / 0.26x0.22in |
| Number of mounting holes | 4                       |
| Mounting hole PCD        | 173.5mm / 6.83in        |
| Unit weight              | 3kg / 6.6lb             |

**Parameters**

|              |  |
|--------------|--|
| Sd           | 153.94cm <sup>2</sup> / 23.86in <sup>2</sup> |
| Fs           | 100Hz  |
| Mms          | 11.58g / 0.41oz                              |
| Qms          | 3.651  |
| Qes          | 0.925  |
| Qts          | 0.738  |
| Re           | 5.52   |
| Vas          | 7.37l / 0.26ft <sup>3</sup>                  |
| Bi           | 6.59Tm                                       |
| Cms          | 0.22mm/N                                     |
| Rms          | 1.99kg/s                                     |
| Le (at 1kHz) | 0.27mH                                       |
| Xmax         | 3.5mm / 0.14in                               |

**Additional HF Specifications**

|                            |                           |
|----------------------------|---------------------------|
| Power rating               | 40W                       |
| Continuous power rating    | 80W                       |
| Rated impedance            | 8                         |
| Sensitivity                | 103dB                     |
| Frequency range            | 1500-20,000Hz             |
| Recommended min. crossover | 2200Hz                    |
| r 12dB/oct                 |                           |
| Voice coil diameter        | 34mm / 1.4in              |
| Magnet type                | Dual-ferrite magnet motor |
| Diaphragm material         | Polyimide                 |
| Surround material          | Polyimide                 |

**Packed Dimensions & Weight**

|                            |   |
|----------------------------|---|
| Single pack size W x D x H | 190mm x 190mm x 128mm / 7.4in x 7.4in x 5.0in   |
| Single pack weight         | 3.5kg / 7.7lb                                   |
| Multi pack qty             | 8   |
| Multi pack size W x D x H  | 350mm x 350mm x 240mm / 13.7in x 13.7in x 9.4in |
| Multi pack weight          | 30kg / 65lb                                     |