Coaxial Loudspeakers

FTX0617

6.5-inch cast aluminium chassis, ferrite magnet coaxial driver

- 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

300W
Continuous power rating

92dB
Sensitivity

1.75in
Edgewound copper clad aluminium voice coil

1.4in



General Specifications

Nominal Diameter	165mm / 6.5in
Power Rating	150W
Continuous power rating	300W
Rated impedance	8 ohm
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
Gap height (Hg)	6mm / 0.24in
VC winding height (Hvc)	10mm / 0.4in

Parameters

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

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

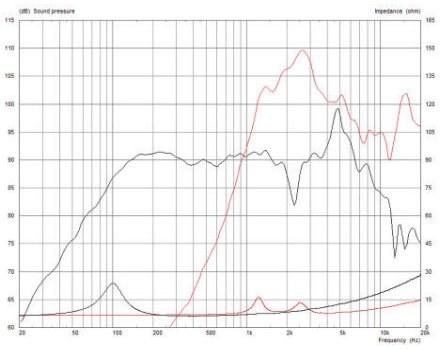
Packed Dimensions & Weight

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

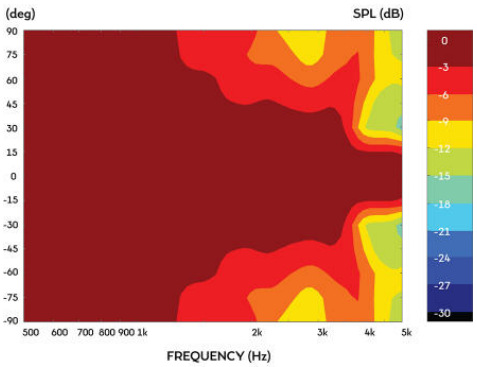
Additional HF Specifications

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

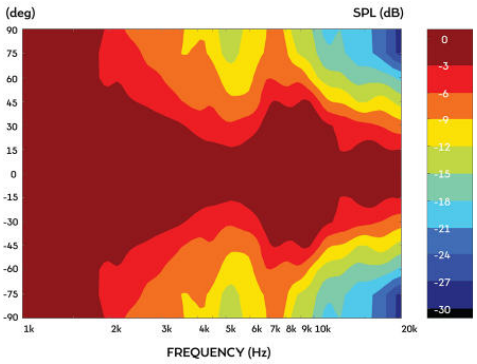
Frequency Response and Impedance Curves



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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