# CELESTION

# **Coaxial Loudspeakers**

## FTX0820



### Packed Dimensions & Weight

Single pack size W x D x H

Single pack weight Multi pack qty Multi pack size W x D x H

Multi pack weight

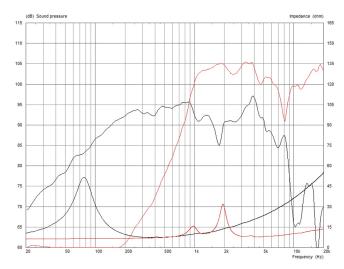
238mm x 238mm x 148mm / x 9.3in 9.3in x 5.8in

4.7kg / 10.3lb 40

890mm x 1100mm x 890mm / 35.08in x 43.3in x 35.0in

195kg / 430lb

### **Frequency Response and Impedance Curves**



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.

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Continuous power rating: Defined as 3dB greater than the AES

rating. Sensitivity: Measured on axis at 1W, 1m in 2 pi anechoic

environment. Xmax: 0.5\*(Hvc-Hg) + 0.25\*Hg

Suggested crossover design available online at celestion.com/speakerworld

### 8-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

400W 94dB Continuous

1.4in

**Edgewound coil** copper voice

Nominal Diameter 200mm / 8in Power Rating 200W Continuous power rating 400W Rated impedance 8 ohm Sensitivity 94dB Frequency range 70-5000Hz Chassis type Cast aluminium Magnet type Ferrite Magnet weight 1.5kg / 54oz Voice coil diameter 50mm / 2in Voice coil material Edgewound copper Former material Glass fibre Cone material Kevlar loaded paper Surround material Cloth-sealed Suspension Single 8mm / 0.31in Gap height (Hg) VC winding height (Hvc) 12mm / 0 47in

#### **Mounting Information**

Overall diameter 225mm / 8.8in (octagonal

profile) Overall depth 123mm / 4.8in Cut-out diameter 187mm / 7.36in 6.5mm / 0.26in Mounting hole dimensions Number of mounting holes

210mm / 8.27in Mounting hole PCD Unit weight 4.1kg / 9lb

226.98cm<sup>2</sup> / 35.18in<sup>2</sup> Sd 78.80Hz Fs 22.66g / 0.80oz Mms Qms 2.800 0.310 Qes 0.279 Qts 5.85 ohm Re Vas 13.13I / 0.46ft<sup>3</sup> 14.56Tm Cms 0.18mm/N Rms 4.01kg/s Le (at 1kHz) 0.62mH 4mm / 0.16in

#### **Additional HF Specifications**

40W Power rating 80W Continuous power rating Rated impedance 8 ohm Sensitivity 103dB Frequency range 1500-20,000Hz 2200Hz

Recommended min. crossover 12d

B/oct

Voice coil diameter 34mm / 1.4in

Magnet type Dual-ferrite magnet motor

Diaphragm material Polvimide Surround material Polyimide

