CELESTION

Full Range Loudspeakers K12H-100TC



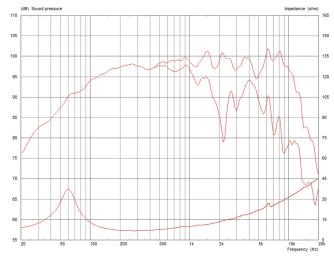
Packed Dimensions & Weight

Single pack size W x D x H

Single pack weight

333mm x 332mm x 145mm / x 13.1in 12.7in x 5.7in 4.8kg / 10.5

Frequency Response and Impedance curve



12-inch pressed steel chassis, ferrite magnet extended HF response driver

- Secondary cone extends HF response to 10kHz
- Strengthened voice coil assembly for improved midband clarity

200W Continuous power rating 97dB sensitivity

1.75in Round copper voice coil

General Specifications

Nominal Diameter 305mm / 12in Power Rating 100W 200W Continuous power rating Rated impedance 8 ohm Sensitivity 97dB Frequency range 50-10,000Hz Chassis type Pressed steel Magnet type Ferrite Magnet weight 1.41kg / 50oz Voice coil diameter 45mm / 1.75in Round copper Voice coil material Former material Polyimide Cone material Kevlar loaded paper Surround material Cloth-sealed Suspension Single Gap height (Hg) 8mm / 0.31in VC winding height (Hvc) 10mm / 0.39in

Mounting Information

Overall diameter 309mm / 12.2in Overall depth 129.7mm / 5.1in Cut-out diameter 283mm / 11.14in Mounting hole dimensions 7.9mm / 0.31in Number of mounting holes Mounting hole PCD 297mm / 11.69in Unit weight 3.8kg / 8.4lb

Sd 530.93cm2 / 82.29in2 Fs 55.60Hz Mms 45.39g / 1.60oz Qms 2.550 Qes 0.473 0.399 Ots 5.48 ohm Re Vas 72.04I / 2.54ft³ 13.55Tm ΒΙ 0.18mm/N Cms 6.22kg/s Rms Le (at 1kHz) 0.67mH 3mm / 0.12in **Xmax**

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 Gentinuous Power Rating is defined as 3dB greater than the AES rating. Sensitivity measured on axis at 1W, 1m in 2? anechoic environment. Xmax is derived from: (voice coil winding width-gap depth)/2. Small Signal Parameters are measured after unit subjected to pre-conditioning signal.

