

## Full Range Loudspeakers

### K12H-100TC

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**

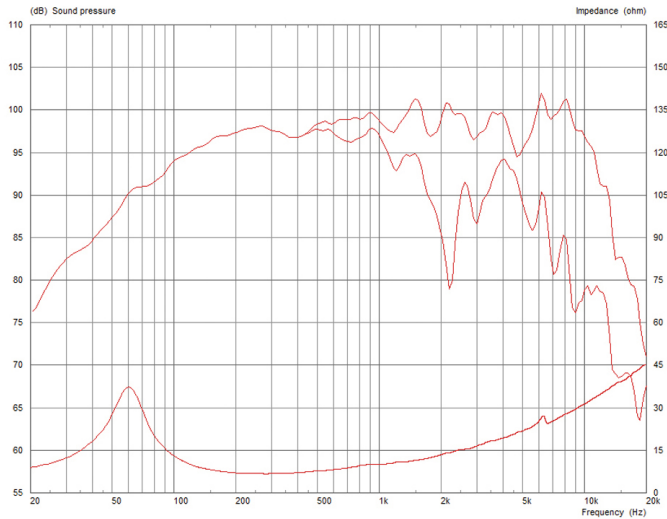
### General Specifications

|                         |                     |
|-------------------------|---------------------|
| Nominal Diameter        | 305mm / 12in        |
| Power Rating            | 100W                |
| Continuous power rating | 200W                |
| Rated impedance         | 8 $\Omega$          |
| 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       |
| Voice coil material     | Round copper        |
| 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 | 4               |
| Mounting hole PCD        | 297mm / 11.69in |
| Unit weight              | 3.8kg / 8.4lb   |

## Frequency Response and Impedance curves



Topmost curve: Frequency Response on axis | Secondary curve: Frequency Response at 45° off axis

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.

Continuous 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.

## Parameters

|              |  |
|--------------|--|
| Sd           | 530.93cm <sup>2</sup> / 82.29in <sup>2</sup> |
| Fs           | 55.60Hz                                      |
| Mms          | 45.39g / 1.60oz                              |
| Qms          | 2.550  |
| Qes          | 0.473  |
| Qts          | 0.399  |
| Re           | 548 Ω  |
| Vas          | 72.04l / 2.54ft <sup>3</sup>                 |
| Bi           | 13.55Tm                                      |
| Cms          | 0.18mm/N                                     |
| Rms          | 6.22kg/s                                     |
| Le (at 1kHz) | 0.67mH                                       |
| Xmax         | 3mm / 0.12in                                 |

## Packed Dimensions & Weight

|                            |   |
|----------------------------|---|
| Single pack size W x D x H | 333mm x 332mm x 145mm / 13.1in x 12.7in x 5.7in |
| Single pack weight         | 4.8kg / 10.5                                    |

