

## 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

**200W**

Continuous power rating

**97dB**

sensitivity

**1.75in**

Round copper voice coil

#### General Specifications

Nominal Diameter	305mm / 12in
Power Rating	100W
Continuous power rating	200W
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
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

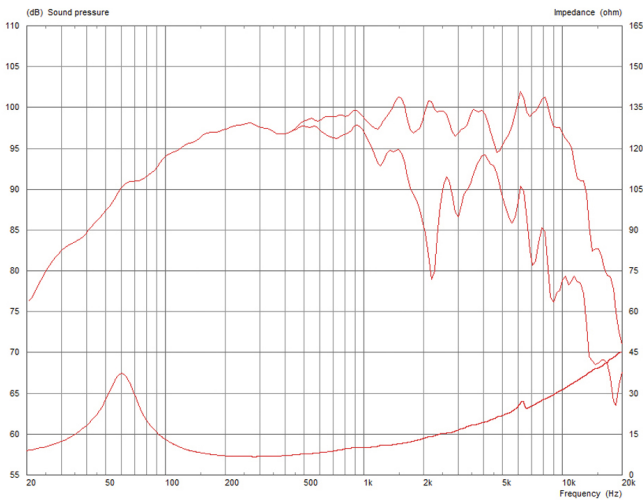
#### Parameters

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	5.48 ohm
Vas	72.04l / 2.54ft <sup>3</sup>
Bl	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 / x 13.1in 12.7in x 5.7in
Single pack weight	4.8kg / 10.5

#### 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.

**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

**Parameters:** Measured after unit subjected to pre-conditioning signal.