

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

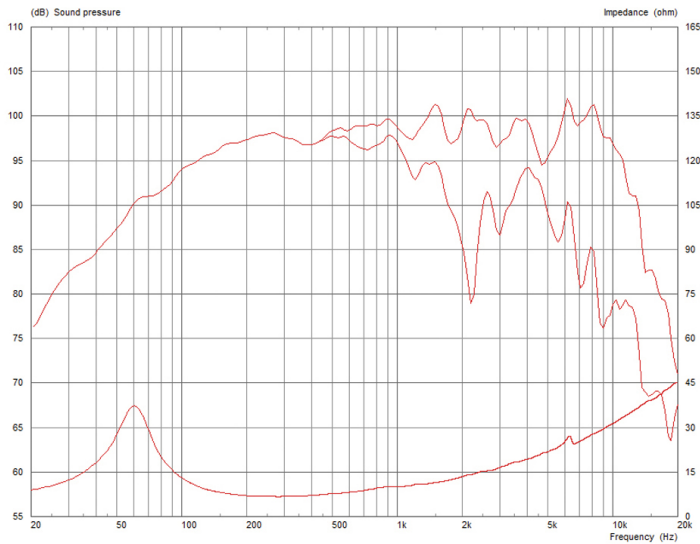
General Specifications

Nominal Diameter	305mm / 12in
Power Rating	100W
Continuous power rating	200W
Rated impedance	8 Ω
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: Defined as 3dB greater than the AES rating.

Sensitivity: Measured on axis at 1W, 1m in 2? anechoic environment.

Xmax: $0.5 \cdot (H_{vc} - H_g) + 0.25 \cdot H_g$

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

Parameters

Sd	530.93cm ² / 82.29in ²
Fs	55.60Hz
Mms	45.39g / 1.60oz
Qms	2.550
Qes	0.473
Qts	0.399
Re	5.48 Ω
Vas	72.04l / 2.54ft ³
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