

K12H-100TC

Ferrite magnet pressed steel chassis driver

General Specifications

Nominal diameter	305mm/12in
Power rating ¹	100Wrms
Nominal impedance	8Ω
Sensitivity ²	97dB
Frequency range	50-10,000Hz
Voice coil diameter	45mm/1.75in
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.41kg/50oz
Coil material	Round copper
Former material	Kapton
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax	1mm/0.04in
Gap depth	8mm/0.31in
Voice coil winding width	10mm/0.39in

Small Signal Parameters

D	0.26m/10.24in
Fs	67.5Hz
Mms	43.669g/1.54oz
Mmd	36.747g/1.30oz
Qms	5.381
Qes	0.581
Qts	0.525
Re	5.43Ω
Vas	50.7lt/1.79ft ³
Bl	13.16Tm
Cms	0.127mm/N
Rms	3.443kg/s
Le (at 1kHz)	0.625mH

Mounting Information

Overall diameter	309mm/12.17in
Overall depth	129.7mm/5.11in
Cut-out diameter	283mm/11.14in
Mounting slot dimensions	Ø7.9mm/0.31in
Number of mounting slots	4
Mounting PCD range	297mm/11.69in
Unit weight	3.8kg/8.4lb

Packed Dimensions & Weight

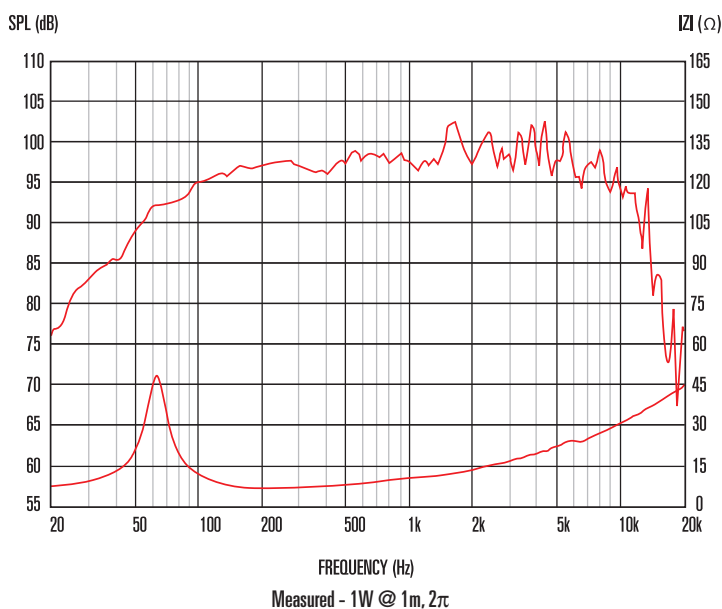
Single pack size W x D x H	333mm x 322mm x 145mm
	13.1in x 12.7in x 5.7in
Single pack weight	4.5kg/10lb



Features

- 12" twin cone drive unit with extended high frequency response
- 1.75" high temperature copper voice coil for increased reliability and 100Wrms (AES standard) power handling
- Optimised cone neck/voice coil assembly for increased strength, minimising high frequency distortion and improving sound quality
- Secondary cone terminated by pressure formed cloth dust cap for enhanced mid-band clarity
- High efficiency magnet structure design delivers improved sensitivity
- Double roll surround for greater excursion control and smooth frequency response

Frequency Response and Impedance Curves



1. 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.
 2. Measured on axis at 1W, 1m in 2π anechoic environment.
 3. Xmax derived from: (voice coil winding width-gap depth)/2.