CELESTION

Full Range Loudspeakers

K12H-200TC

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

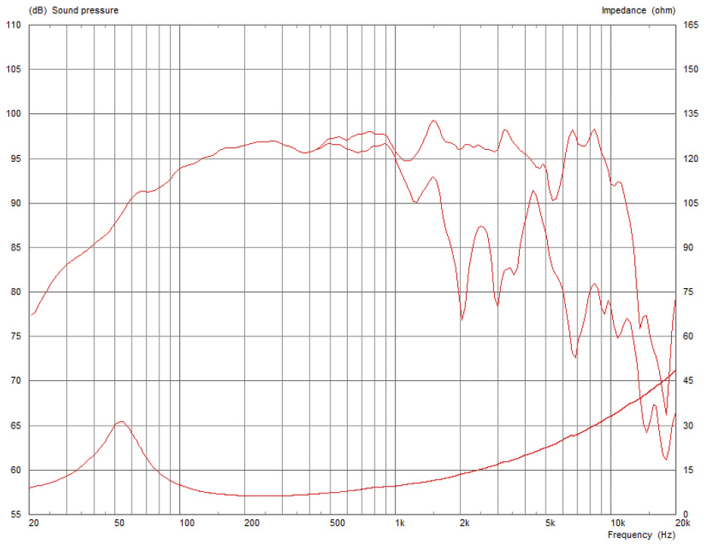
General Specifications

Nominal Diameter	305mm / 12in
Power Rating	200W
Continuous power rating	400W
Rated impedance	8 Ω
Sensitivity	98dB
Frequency range	50-10,000Hz
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.41kg / 50oz
Voice coil diameter	50mm / 2in
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)	12mm / 0.47in

Mounting Information

Overall diameter	309mm / 12.2in
Overall depth	130.3mm / 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	8.6lb / 3.9kg

Frequency Response and Impedance curves



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

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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	530.93cm2 / 82.29in^2
Fs	62.30Hz
Mms	40.57g / 1.43oz
Qms	2.804
Qes	0.432
Qts	0.374
Re	5.81 Ω
Vas	64.10l / 2.26ft ^{3}
Bi	14.63Tm
Cms	14.63mm/N
Rms	5.67kg/s
Le (at 1kHz)	0.63mH
Xmax	4mm / 0.16in

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	5.0kg / 11lb

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