

TF1230SL

12-inch pressed steel chassis, ferrite magnet bass/mid driver



- Airflow vented magnet assembly for dynamic heat dispersion
- Compact high flux Dual Magnet Motor design

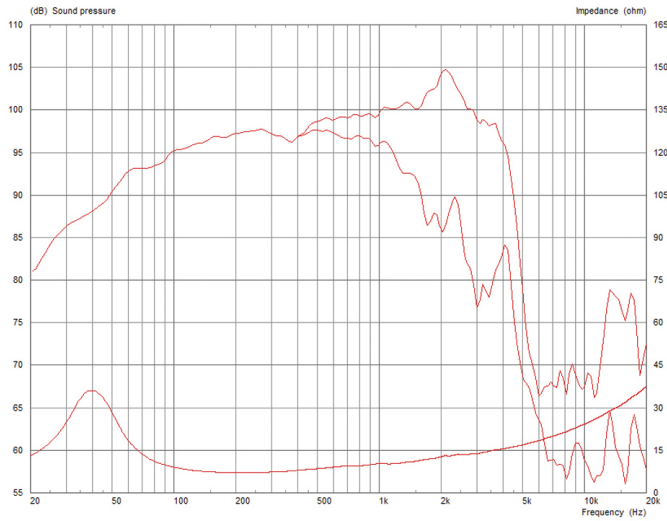
General Specifications

Nominal Diameter	305mm / 12in
Power Rating	350W
Continuous power rating	700W
EIA power rating	500W
Rated impedance	8 Ω
Sensitivity	97dB
Frequency range	50-4000Hz
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.7kg / 60oz
Voice coil diameter	75mm / 3in
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)	16mm / 0.63in
Additional impedances	4

Mounting Information

Overall diameter	309mm / 12.17in
Overall depth	137mm / 5.4in
Cut-out diameter	283mm / 11.14in
Mounting hole dimensions	7.9mm / 0.31in
Number of mounting holes	4
Mounting hole PCD	297mm / 11.68in
Unit weight	4.3kg / 9.5lb

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.

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

$X_{max} = 0.5 \cdot (H_{vc} - H_g) + 0.25 \cdot H_g$

Parameters

Sd	530.93cm ² / 82.29in ²
Fs	56.80Hz
Mms	58.32g / 2.06oz
Qms	3.635
Qes	0.437
Qts	0.390
Re	5.17 Ω
Vas	53.76l / 1.90ft ³
Bi	15.68Tm
Cms	0.14mm/N
Rms	5.72kg/s
Le (at 1kHz)	0.89mH
Xmax	6mm / 0.24in

Packed Dimensions & Weight

Multi pack qty	60
Multi pack size W x D x H	1080mm x 980mm x 880mm / 42.5in x 38.6in x 34.6in
Multi pack weight	285kg / 620lb

CELESTION