

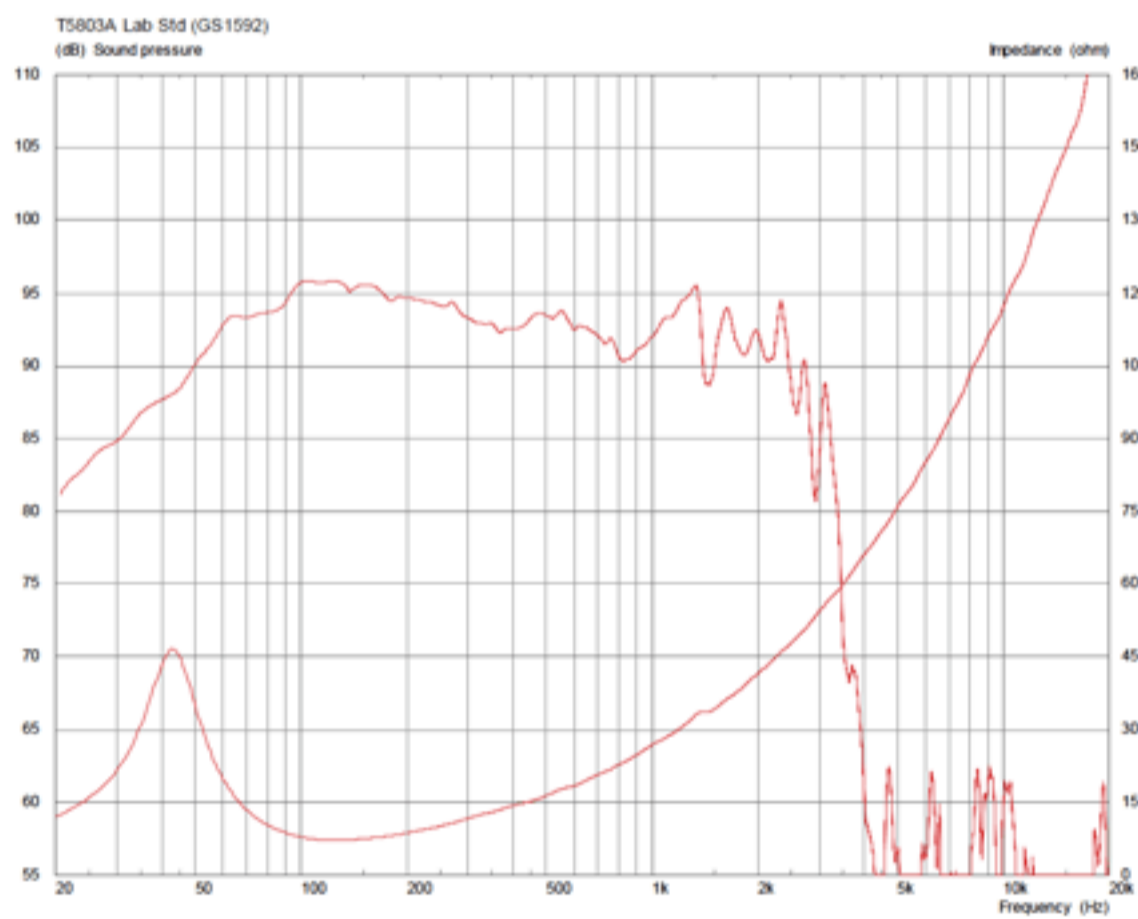
### CF1830E



#### Features

- 18" ferrite magnet, cast aluminium chassis LF driver delivering 700Wrms (AES Standard) power handling and 94dB sensitivity
- 3" high temperature, multi- layer voice coil for greater motor force
- FEA optimized magnet assembly delivers highly symmetrical cone - movement, leading to exceptionally low harmonic distortion
- Balanced Airflow Venting (BAV) on the front-plate increases airflow to provide enhanced cooling
- Dual Magnet Motor (DMM) incorporates a secondary magnet used to increase overall motor force (BI) without the need for any additional increase in magnet size
- "Multi-roll" surround provides exceptional linearity at extremes of cone excursion

#### 8 Frequency Response



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 2 anechoic environment.
3. Xmax derived from: (voice coil winding width-gap depth)/2.

#### General Specifications

Nominal diameter	18in/457mm
Power rating <sup>1</sup>	700Wrms
Nominal impedance	8
Sensitivity <sup>2</sup>	94dB
Frequency range	30-2500Hz
Voice coil diameter	3in/75mm
Chassis type	Cast Aluminium
Magnet type	Ferrite
Coil material	Round Copper
Former material	Glass Fibre
Cone material	Glass-Reinforced Paper
Surround material	Cloth-sealed
Suspension	Single
Xmax <sup>3</sup>	5mm/0.79in
Gap depth	8mm/0.31in
Voice coil winding width	18mm/0.71in

#### Small Signal Parameters

Fs	36.2Hz
Mms	159.85g/5.64oz
Mmd	138.24g/4.88oz
Qms	4.498
Qes	0.379
Qts	0.349
Re	5.26Ω
Vas	220.47lt/7.78ft <sup>3</sup>
BI	22.45
Cms	0.12
Rms	8.08
Le (at 1kHz)	3.24
D	0.38m/14.96in

#### Mounting Information

Diameter	460mm/18.11in
Overall depth	211.3mm/8.31in
Cut-out diameter	414mm/16.29in
Mounting slot dimensions	9.25x7mm/0.36x0.28in
Number of mounting slots	8
Mounting slot PCD	432-441mm/17.0-17.36in