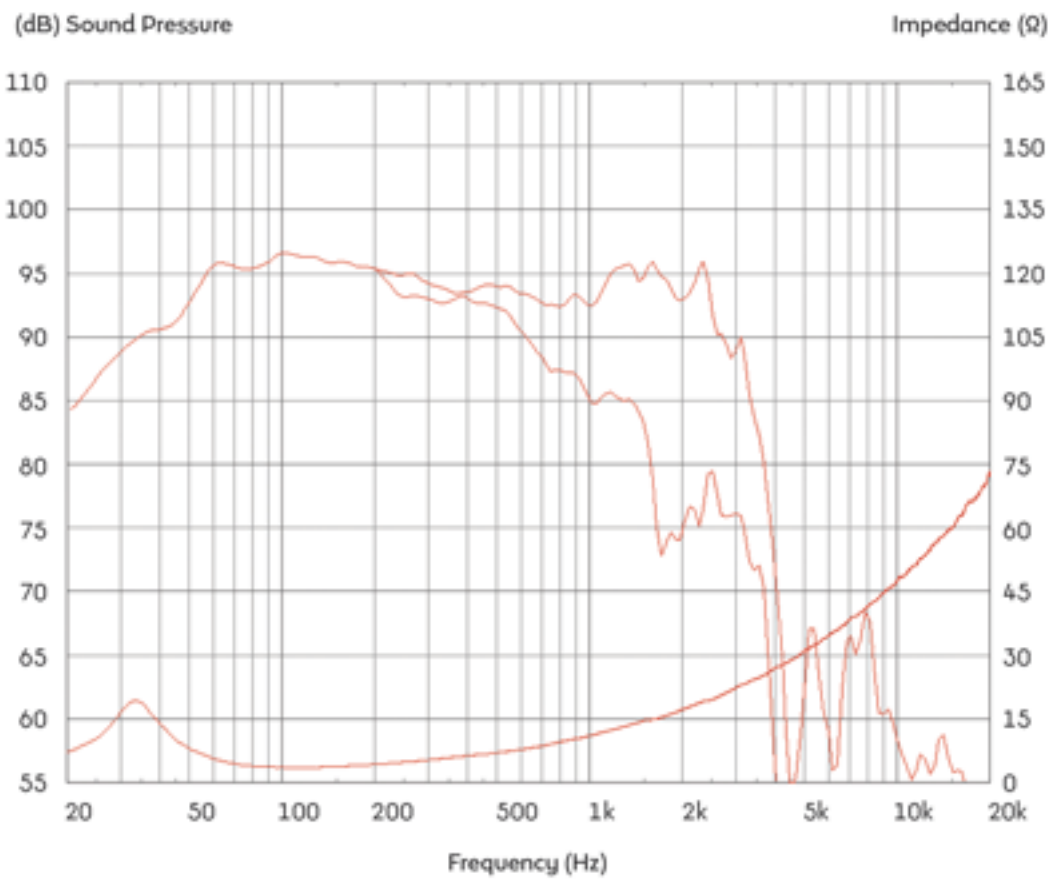


TF1830



- Balanced Airflow Venting provides enhanced cooling
- Multi-layer voice coil
- Compact, high flux, Dual Magnet Motor design

8 Frequency Response



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

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. Continuous Power Rating is defined as 3dB greater than the AES rating
3. Tested as per the EIA-426-A standard
4. Measured on axis at 1W, 1m in 2^l anechoic environment.
5. Xmax derived from: (voice coil winding width-gap depth)/2.
6. Small signal parameters measured after unit subjected to pre-conditioning signal.

General Specifications

Nominal diameter	457mm/18in
Power rating ¹	500Wrms
Continuous power rating ²	1000W
EIA power rating ³	650W
Nominal impedance	4
Sensitivity ⁴	96dB
Frequency range	35-1,000Hz
Voice coil diameter	75mm/3in
Chassis type	Pressed Steel
Magnet type	Ferrite
Magnet weight	1.8kg/65oz
Coil material	Round copper
Former material	Glass fibre
Cone material	Glass loaded paper with weather resistant impregnation
Surround material	Cloth sealed
Suspension	Single
Xmax ⁵	4.5mm/0.18in
Gap depth	8mm/0.31in
Voice coil winding width	17mm/0.67in

Small Signal Parameters

D	379.5mm/14.9in
Fs	35.7Hz
Mms	179.11g/6.32oz
Qms	4.213
Qes	0.434
Qts	0.393
Re	2.58
Vas	202.4l/7.15ft ³
Bl	15.46Tm
Cms	0.11mm/N
Rms	9.63kg/s
Le (at 1kHz)	1.28mH

Mounting Information

Overall diameter	460mm/18.1in
Overall depth	209mm/8.22in
Cut-out diameter	421mm/16.57in
Mounting slot dimensions	Ø8.3mm/0.32in
Number of mounting slots	8
Mounting PCD range	443.4mm/17.46in
Unit weight	7.5kg/16.5lb

Packed Dimensions & Weight

Single pack size W x D x H	500mm x 500mm x 255mm /19.7in x 19.7 x 7.11in
Single pack weight	9kg/19.8lb
Multi pack size W x D x H	1200mm x 1000mm x 980mm /47.2in x 39.4in x 38.6in
Multi pack weight	205kg/452lb