

TF1830

18-inch pressed steel chassis, ferrite magnet subwoofer



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

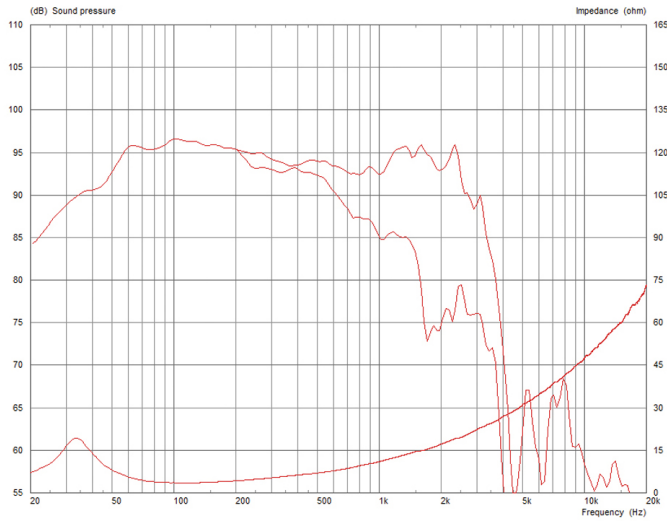
General Specifications

| | |
|-------------------------|-----------------------------------------|
| Nominal Diameter | 457mm / 18in |
| Power Rating | 500W |
| Continuous power rating | 1000W |
| EIA power rating | 650W |
| Rated impedance | 4 Ω |
| Sensitivity | 96dB |
| Frequency range | 35-1000Hz |
| Chassis type | Pressed steel |
| Magnet type | Ferrite |
| Magnet weight | 1.8kg / 65oz |
| Voice coil diameter | 75mm / 3in |
| Voice coil material | Round copper |
| Former material | Glass Fibre |
| Cone material | Glass loaded paper (weather-resistant) |
| Surround material | Cloth-sealed |
| Suspension | Single |
| Gap height (Hg) | 8mm / 0.31in |
| VC winding height (Hvc) | 17mm / 0.67in |

Mounting Information

| | |
|--------------------------|-------------------|
| Overall diameter | 460mm / 18.11in |
| Overall depth | 209mm / 8.22in |
| Cut-out diameter | 421mm / 16.57in |
| Mounting hole dimensions | 8.3mm / 0.32in |
| Number of mounting holes | 8 |
| Mounting hole PCD | 443.4mm / 17.46in |
| Unit weight | 7.5kg / 16.5lb |

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.

Xmax: Hvc-Hg/2

Parameters

| | |
|--------------|----------------------------------|
| Sd | 1134.12cm ² / 175.79i |
| Fs | 35.70Hz |
| Mms | 179.11g / 6.32oz |
| Qms | 4.213 |
| Qes | 0.434 |
| Qts | 0.393 |
| Re | 2.58 Ω |
| Vas | 202.40l / 7.15ft ³ |
| Bi | 15.46Tm |
| Cms | 0.11mm/N |
| Rms | 9.53kg/s |
| Le (at 1kHz) | 1.28mH |
| Xmax | 4.5mm / 0.18in |

Packed Dimensions & Weight

| | |
|----------------------------|----------------------------------------------------|
| Single pack size W x D x H | 500mm x 500mm x 255mm / 19.7in x 19.7in x 11.0in |
| Single pack weight | 9.0kg / 19.8lb |
| Multi pack qty | 24 |
| Multi pack size W x D x H | 1200mm x 1000mm x 980mm / 47.2in x 39.4in x 38.5in |
| Multi pack weight | 205kg / 452lb |

