LF Loudspeakers

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

1000W
Continuous power rating

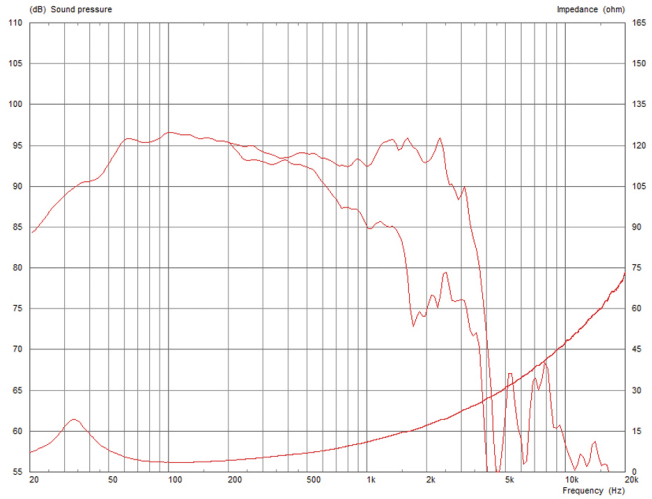
96dB
Sensitivity

3in
Round copper voice coil

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



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

General Specifications

Nominal Diameter	457mm / 18in
Power Rating	500W
Continuous power rating	1000W
EIA power rating	650W
Rated impedance	4 ohm
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

Parameters

Sd	1134.12cm^2 / 175.79in^2
Fs	35.70Hz
Mms	179.11g / 6.32oz
Qms	4.213
Qes	0.434
Qts	0.393
Re	2.58 ohm
Vas	202.40l / 7.15ft^3
Bl	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

Celestion, Claydon Business Park, Great Blakenham, Ipswich, IP6 0NL United Kingdom