LF Loudspeakers

TF1230S

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

- Increased chassis diameter for compatibility with popular portable two-way reinforcement systems

600W
Continuous power rating

96dB
Sensitivity

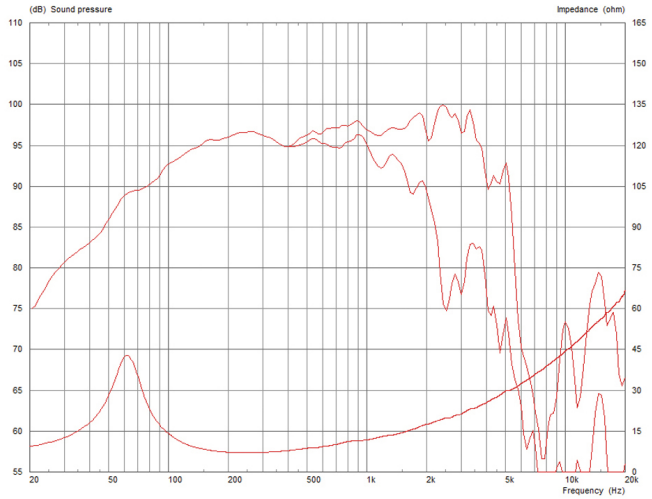
3in
Edgewound copper clad aluminium voice coil



Mounting Information

Overall diameter	317.5mm / 12.5in
Overall depth	137mm / 5.4in
Cut-out diameter	283mm / 11.14in
Mounting hole dimensions	13x6.5mm / 0.51x0.26in
Number of mounting holes	8
Mounting hole PCD	299mm / 11.77in
Unit weight	4.3kg / 9.5lb

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	305mm / 12in
Power Rating	300W
Continuous power rating	600W
EIA power rating	450W
Rated impedance	8 ohm
Sensitivity	96dB
Frequency range	50-4000Hz
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.7kg / 60oz
Voice coil diameter	75mm / 3in
Voice coil material	Edgewound copper clad aluminium
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Gap height (Hg)	8mm / 0.31in
VC winding height (Hvc)	17mm / 0.67in

Parameters

Sd	530.93cm^2 / 82.29in^2
Fs	60.30Hz
Mms	51.08g / 1.8oz
Qms	3.28
Qes	0.422
Qts	0.374
Re	5.98 ohm
Vas	54.41l / 1.92ft^3
Bl	16.56Tm
Cms	0.14mm/N
Rms	5.91kg/s
Le (at 1kHz)	0.98mH
Xmax	4.5mm / 0.18in

Packed Dimensions & Weight

Single pack size W x D x H	330mm x 330mm x 150mm / 13in x 13in x 5.9in
Single pack weight	5.5kg / 12.0lb

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