LF Loudspeakers

TF1220

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

300W
Continuous power rating

97dB
Sensitivity

2in
Round copper voice coil



General Specifications

Nominal Diameter	305mm / 12in
Power Rating	150W
Continuous power rating	300W
EIA power rating	250W
Rated impedance	8 ohm
Sensitivity	97dB
Frequency range	60-4000Hz
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.2kg / 42oz
Voice coil diameter	50mm / 2in
Voice coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Gap height (Hg)	8mm / 0.31in
VC winding height (Hvc)	12mm / 0.47in

Parameters

Sd	530.93cm^2 / 82.29in^2
Fs	55.80Hz
Mms	44.51g / 1.57oz
Qms	3.327
Qes	0.441
Qts	0.389
Re	5.46 ohm
Vas	72.79l / 2.57ft^3
Bl	13.91Tm
Cms	0.18mm/N
Rms	4.69kg/s
Le (at 1kHz)	0.71mH
Xmax	4mm / 0.16in

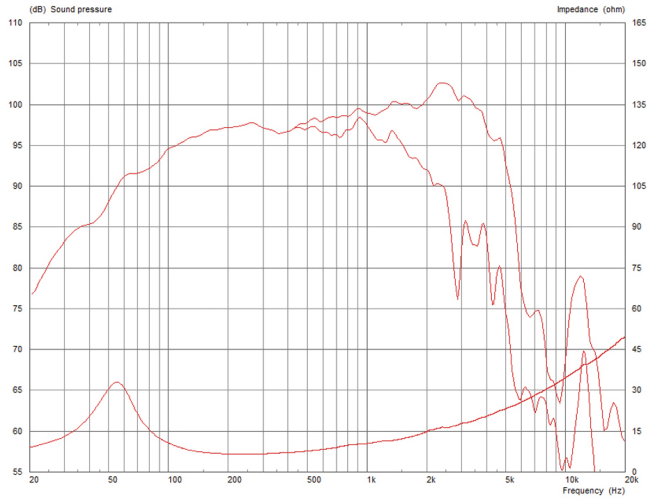
Mounting Information

Overall diameter	309mm / 12.17in
Overall depth	131mm / 5.2in
Cut-out diameter	283mm / 11.14in
Mounting hole dimensions	7.9mm / 0.31in
Number of mounting holes	4
Mounting hole PCD	297mm / 11.69in
Unit weight	4.0kg / 8.8lb

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	4.5kg / 9.9lb
Multi pack qty	60
Multi pack size W x D x H	1080mm x 980mm x 880mm / 42.5in x 38.6in x 34.6in
Multi pack weight	275kg / 600lb

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: 0.5*(Hvc-Hg) + 0.25*Hg

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