

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 <sup>2</sup> / 82.29in <sup>2</sup> |
| 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 <sup>3</sup>                 |
| Bl           | 13.91Tm                                      |
| Cms          | 0.18mm/N                                     |
| Rms          | 4.69kg/s                                     |
| Le (at 1kHz) | 0.71mH                                       |
| Xmax         | 4mm / 0.16in                                 |

Packed Dimensions & Weight

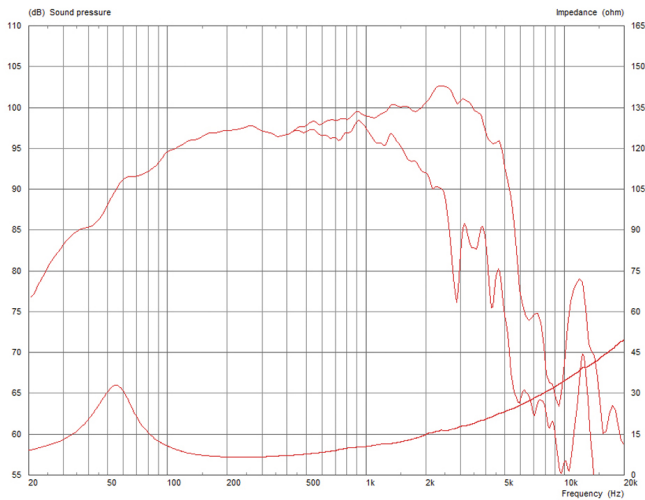
|                            |                                                      |
|----------------------------|------------------------------------------------------|
| Single pack size W x D x H | 330mm x 330mm x 150mm / x<br>13in 13in x 5.9in       |
| Single pack weight         | 4.5kg / 9.9lb                                        |
| Multi pack qty             | 60                                                   |
| Multi pack size W x D x H  | 1080mm x 980mm x 880mm /<br>42.5in x 38.6in x 34.6in |
| Multi pack weight          | 275kg / 600lb                                        |



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   |

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