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## LF Cast Chassis / Ferrite

## FTR15-4080F



Features

- 15 " ferrite woofer provides 600 Wrms power handling (AES Standard) and 97 dB sensitivity
- 4" high temperature Inside/Outside voice coil efficiently dissipates heat, preventing sensitivity loss through thermal compression
- FlexirolTM surround for greater excursion control
- Low frequency response, down to 35 Hz
- Smart chassis design minimises acoustic distortion
- Specially treated weather-resistant cone


## 8 Frequency Response



1. 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.
2. Measured on axis at $1 \mathrm{~W}, 1 \mathrm{~m}$ in 2 anechoic environment.
3. Xmax derived from: (voice coil winding width-gap depth)/2.

## General Specifications

| Nominal diameter | $381 \mathrm{~mm} / 15 \mathrm{in}$ |
| :--- | ---: |
| Power rating ' | 600 Wrms |
| Nominal impedance | 8 |
| Sensitivity ${ }^{2}$ | 97 dB |
| Frequency range | $35-3000 \mathrm{~Hz}$ |
| Voice coil diameter | $100 \mathrm{~mm} / 4 \mathrm{in}$ |
| Chassis type | Cast Aluminium |
| Magnet type | Ferrite |
| Magnet weight | $3.1 \mathrm{~kg} / 110 \mathrm{oz}$ |
| Coil material | Round copper |
| Former material | Glass fibre |
| Cone material | Glass loaded paper with weather-resistant |
|  | impregnation |
| Surround material | Cloth-sealed |
| Suspension | Single |
| Xmax ${ }^{3}$ | $6 \mathrm{~mm} / 0.24 \mathrm{in}$ |
| Gap depth | $10 \mathrm{~mm} / 0.39 \mathrm{in}$ |
| Voice coil winding width | $22 \mathrm{~mm} / 0.87 \mathrm{in}$ |

## Small Signal Parameters

| D | $0.33 \mathrm{~m} / 12.99 \mathrm{in}$ |
| :--- | ---: |
| Fs | 35 Hz |
| Mms | $117.83 \mathrm{~g} / 4.16 \mathrm{oz}$ |
| Mmd | $103.68 \mathrm{~g} / 3.66 \mathrm{oz}$ |
| Qms | 3.68 |
| Qes | 0.26 |
| Qts | 0.24 |
| Re | 5.62 |
| Vas | $182.81 \mathrm{t} / 6.45 \mathrm{ft} 3$ |
| Bl | 23.69 Tm |
| Cms | $0.18 \mathrm{~mm} / \mathrm{N}$ |
| Rms | $7.019 \mathrm{~kg} / \mathrm{s}$ |
| Le (at 1 kHz$)$ | 1.48 mH |

## Mounting Information

| Diameter | $385 \mathrm{~mm} / 15.16 \mathrm{in}$ |
| :--- | ---: |
| Overall depth | $170 \mathrm{~mm} / 6.69 \mathrm{in}$ |
| Cut-out diameter | $351 \mathrm{~mm} / 13.82 \mathrm{in}$ |
| Mounting slot dimensions | $10 \mathrm{~mm} \times 7 \mathrm{~mm} / 0.39 \mathrm{in} \times 0.27 \mathrm{in}$ |
| Number of mounting slots | 8 |
| Mounting PCD range | $365-375 \mathrm{~mm} / 14.37-14.76 \mathrm{in}$ |
| Unit weight | $9.4 \mathrm{~kg} / 20.7 \mathrm{lb}$ |

## Packed Dimensions \& Weight

Single pack size $W \times D \times H \quad 435 \mathrm{~mm} \times 435 \mathrm{~mm} \times 200 \mathrm{~mm}$ /17.1in $\times 17.1$ in $\times 7.9 \mathrm{in}$

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10.7 \mathrm{~kg} / 23.6 \mathrm{lb}
$$

Single pack weight
Multipack (36) size W x D x H $1200 \mathrm{~mm} \times 1000 \mathrm{~mm} \times 980 \mathrm{~mm}$ /47.2in $\times 39.4 \mathrm{in} \times 38.6 \mathrm{in}$
Multipack (36) weight
$386 \mathrm{~kg} / 851 \mathrm{lb}$

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