# Full Range Live Response

# F12M-150 TRIPLE CONE

**A full range, live response speaker for use with amp modellers and IRs**




| 12in | 2in | 150W | 8 | 97 |
|---|---|---|---|---|
| 305mm | Voice Coil | Watts | Ohm | dB |

The F12M-150 is a full range, LIVE response speaker, purpose designed for use with amp modellers and IRs. Its unique design features two additional tweeter cones integrated into the main woofer cone (making it “Triple Cone”). This enables the speaker to deliver near full-range frequency performance: from 60Hz up to 12kHz, for a rich and detailed sound, whatever your set-up. Designed with Celestion’s Pro Audio know-how, response is flat and neutral, ensuring no unwanted colourations that could overwhelm the input signal. But with an optimised woofer cone and lighter moving mass the F12M-150 Triple Cone is designed to closely mimic the responsiveness of a traditional guitar speaker, delivering all the tactile feel you would expect from playing through a conventional guitar rig. It's not just FRFR, it's Full Range LIVE Response.

## General Specifications

| | |
|---|---|
| Nominal Diameter | 305mm / 12in |
| Power Rating | 150W |
| Rated impedance | 8 ohm |
| Sensitivity | 97dB |
| Chassis type | Pressed steel |
| Magnet type | Ceramic |
| Magnet weight | 0.9kg / 35oz |
| Voice coil diameter | 51mm / 2in |
| Voice coil material | Round copper |
| Frequency range | 60-12,000Hz |
| Resonance frequency Fs | 70Hz |
| DC resistance, Re | 6.07 ohm |

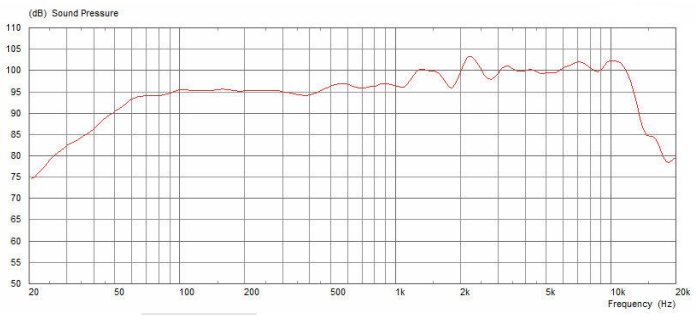
## Mounting Information

| | |
|---|---|
| Cut-out diameter | 283mm / 11.1in |
| Diameter | 309mm / 12.2in |
| Magnet structure diameter | 145mm / 5.7in |
| Mounting hole dimensions | 7.9mm / 0.31in |
| Mounting hole PCD | 297mm / 11.7in |
| Number of mounting holes | 8 |
| Chassis depth (inc gasket) | 94mm / 3.7in |
| Magnet depth | 33mm / 1.3in |
| Overall depth | 127mm / 5in |
| Unit weight | 3.6kg / 7.9lb |

## Parameters

| | |
|---|---|
| D | 0.26m / 10.24in |
| Fs | 69.4Hz |
| Mms | 44.772g / 1.58oz |
| Qms | 10.446 |
| Qes | 0.992 |
| Qts | 0.906 |
| Re | 6.07 ohm |
| Vas | 46.89l / 1.66ft$^3$ |
| Bl | 10.923 |
| Cms | 0.118 |
| Rms | 1.868 |
| Le (at 1kHz) | 0.128 |

## 8 ohm Frequency Response




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