Full Range Live Response

F12-X200

A 12-inch ceramic full-range speaker for use with amp modellers and IRs



12in 305mm | 2in Voice Coil | 200W Watts | 8 Ohm | 97 dB

Finally a dedicated guitar speaker for amp modellers and IRs: the F12-X200 is a truly full range driver that delivers a frequency response from 60Hz all the way up to 20kHz. The higher frequency part of the signal is reproduced using a Celestion compression driver which has been integrated using a high quality crossover circuit, this enables the F12-X200 to reproduce the full spectrum of audible frequencies for the most accurate output possible whatever your environment and set-up. The F12-X200's response is remarkably neutral with Celestion technology built in to ensure there are no unwanted colourations that can overpower the input signal. However the lighter moving mass and straighter sided cone of the type commonly used with guitar speakers gives the X200 the feel and live response of a traditional guitar speaker delivering all the physical feedback you'd expect from playing through a conventional guitar rig. It's not just FRFR, it's Full Range LIVE Response. Used with amp modellers or IRs, in a backline cab or wedge monitor, on stage or in the studio; it doesn't just sound like great guitar tone it feels like it too.

General Specifications

Nominal Diameter	305mm / 12in
Power Rating	200W
Rated impedance	8 ohm
Sensitivity	97dB
Chassis type	Pressed steel
Magnet type	Ceramic
Voice coil diameter	51mm / 2in
Voice coil material	Round copper
Frequency range	60-20,000Hz
Resonance frequency Fs	75Hz
DC resistance, Re	5.91 ohm

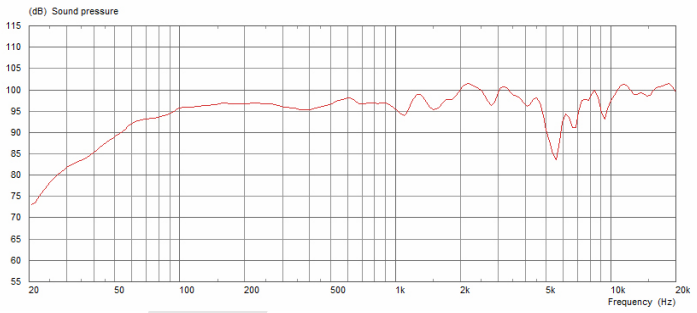
Mounting Information

Cut-out diameter	283mm / 11.1in
Diameter	309mm / 12.2in
Magnet structure diameter	170mm / 6.7in
Mounting hole dimensions	7.9mm / 0.31in
Mounting hole PCD	297mm / 11.7in
Number of mounting holes	8
Chassis depth (inc gasket)	98mm / 3.86in
Magnet depth	67mm / 2.64in
Overall depth	165mm / 6.5in
Unit weight	4.1kg / 9.1lb

Parameters

D	0.26m / 10.24in
Fs	69.8Hz
Mms	50.19g / 1.77oz
Qms	12.007
Qes	0.831
Qts	0.777
Re	5.91 ohm
Vas	47.3l / 1.67ft^3
Bl	12.5
Cms	0.103
Rms	1.834
Le (at 1kHz)	0.102mH (complete system)

8 ohm Frequency Response



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