F2610 Subwoofer - Product Information Sheet

Introduction

The Frazier F2610 subwoofer is designed to extend the low frequency bandwidth of CAT 60 family loudspeakers to 30 Hz and to increase headroom at low frequencies. Housed in an enclosure of the same width as the CAT 66/69, the F2610 is visually and acoustically compatible with the CAT 60 family.

Maximum Utility

The F2610 may be set on its end and used as a base for the CAT 66/69, or the units may be configured together as part of an array. An available internal lowpass crossover filter provides a 160 Hz cutoff, or the unit may be actively crossed over. A complementary highpass filter is available factory-installed in CAT 60 family loudspeakers..

Acoustic Design

The F2610 consists of a heavy duty 18" cone transducer in a tuned vent (ported) enclosure. Used with an upper cutoff of 80 Hz or less, the F2610 may be placed some distance from the full range system (i.e., on the floor with a flown full range array) without creating localization of sounds to the subwoofer. Alternatively, the F2610 is available with factory-installed suspension systems comprising load-rated threaded rod and Kinedyne pan fittings, for installation as part of an array.

Power Considerations - The power rating used for the F2610 is derived as specified by the AES (AES2-1984). A pink noise signal is clipped to a 2:1 (6dB) peak/RMS ratio and filtered with with low and high pass filters matched to the device bandwidth. This signal is applied to the loudspeaker for a 2 hour period. All appropriate parameters are checked after this exercise to ensure proper performance. The power rating is set as the upper limit of safe operation and is determined by evaluating the RMS voltage applied during the test and the nominal impedance of the loudspeaker. Thus, the power rating = V^2rms/Znom. This test is run on several production units as a final validation of the rating.

Specifications

Bandwidth	30Hz-500Hz +/- 3 dB
Power Handling	400 Watts (See Above)
Sensitivity (2.83vrms/1m)	96 dB SPL
Impedance (Nominal)	8Ω
Transducers	1 ea. 18"(457mm) LF
Crossover Frequency	160 Hz (w/optional passive LP installed)
Input Connection	Barrier Strip (Neutrik Speakon optional)
Weight	150lb (68.2 kg)
Dimensions	42-1/2"H x 25-1/4"W x 17-3/8"D (1080mm x 641mm x 441mm)
Construction	MDF

Finishes	Black, White, Carpeted
Model Numbers	
Black Textured Finish	F2610
White Textured Finish	F2612
Scuff-Resistant Finish	F2615

Call for .dxf CAD files and mechanical drawings.
Specifications are subject to change without notice.

F2610

Form 2610R196

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