

Overview

The DXS12 is an extremely compact and powerful subwoofer equipped with a high-efficiency 950W Class-D amplifier and a 12" high-output woofer housed in an acoustically optimized band-pass enclosure. Try out our powerful D-XSUB low frequency processing for low-end you would never expect from a compact 12" subwoofer.



Features

- Output levels up to 131dB SPL with 950W Class-D power amplifier
- Low frequency extension down to 47Hz
- Optimized band-pass design produces high SPL with drastically reduced distortion
- Powerful D-XSUB DSP processing provides a choice of NORMAL, BOOST, or XTENDED LF settings to match a variety of applications
- Extensive DSP protection functions for maximum output
- Custom-designed high power woofer with superior damping characteristics
- INPUT and THRU connectors for efficient, flexible system setup
- Universal switching-mode power supply for world-wide use
- Durable Wooden Enclosure with LINE-X Coating

Specifications

General Specifications

System Type	Powered subwoofer, Band-pass type	
Components	12" cone, 2.5" voice coil, Ferrite Magnet	
Frequency Range	(-10dB)	47Hz-160Hz
Output Power*1	Dynamic	950W
	Continuous	600W
Maximum SPL (1m, on axis)	131dB SPL	
Processing	D-XSUB: BOOST, XTENDED-LF, OFF	
Controls	LEVEL, POLARITY, LPF, D-XSUB, FRONT LED DISABLE, POWER	
Cooling	Fan cooling, 4 speeds	
Power Requirements	100V-240V, 50Hz/60Hz	
1/8 Power Consumption	120W	
Pole Socket	35mm (Top x 1)	
Handle	Side x 2	
Material, Finish, Color	Wood, LINE-X®, Black	
Dimensions (W×H×D)	397mm x 563mm x 594mm (15.6" x 22.2" x 23.4")	
Net Weight	33.0kg (72.8lbs)	
Optional Accessories	SPCVR-12S01	

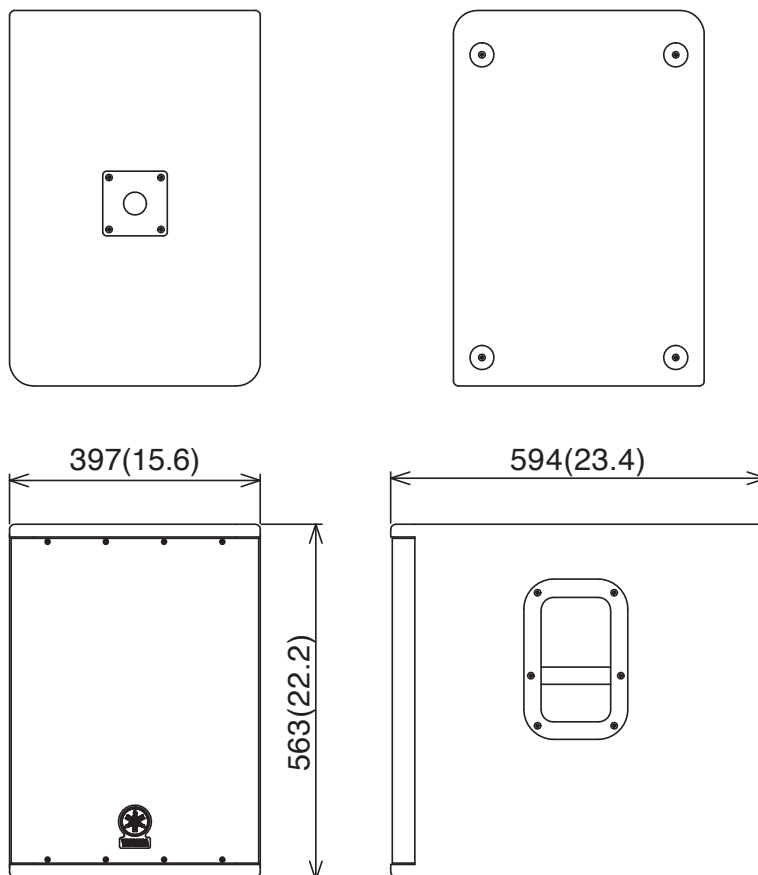
*1 Power rating (120V, 25°C). This is total value of individual output power.

Input/Output Specifications

Connectors	Input	INPUT: XLR-3-31 x 2
	Output	THRU: XLR3-32 x 2 (Parallel with INPUT)
Input Impedance	INPUT1: 10kΩ	
Input Sensitivity (LEVEL: Maximum)	INPUT1: +1 dBu	
Input Sensitivity (LEVEL: Center)	INPUT1: +11 dBu	
Maximum Input Level	INPUT1: +24 dBu	

Dimensions

Unit: mm (inch)



Options

- Speaker Cover SPCVR-12S01

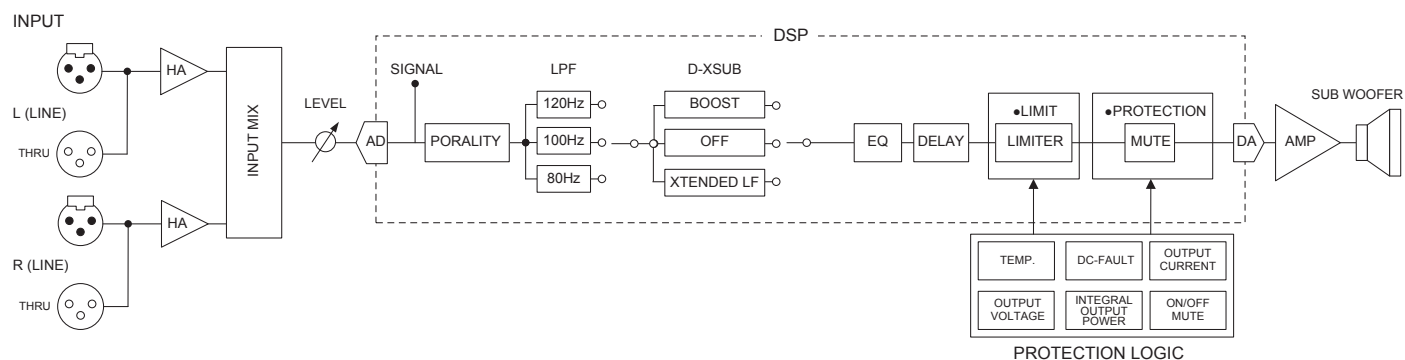
Architectural and Engineering Specifications

The Yamaha DXS12 Powered Subwoofer shall be a band-pass type subwoofer system incorporating a single 12" cone with a 2.5" voice coil. The subwoofer shall incorporate a class-D amplifier (950 watts dynamic/600 watts continuous) and DSP functions such as FIR-X tuning (linear phase FIR filters) and D-XSUB (multi-band compression). The amplifier section shall have a 4-speed fan for cooling.

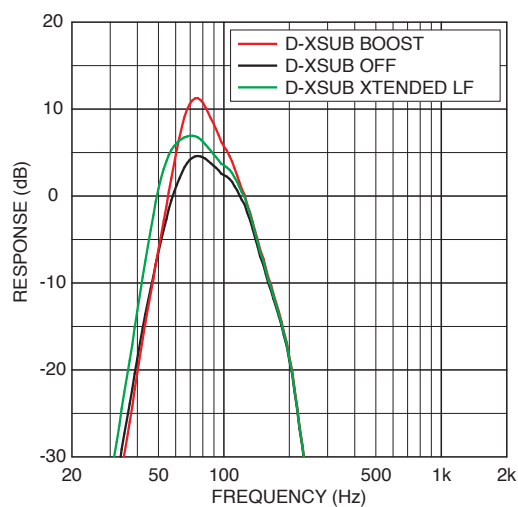
The DXS12 Powered Subwoofer shall meet the following performance criteria: Maximum SPL shall be 131 dB at 1 meter, frequency response shall be 47 Hz to 160 Hz at 10 dB below rated sensitivity.

The subwoofer shall have two XLR3-31 connectors for input and two XLR3-32 connectors for parallel output. The cabinet shall be constructed of wood with LINE-X® finish. A 35 mm pole socket shall be provided. Dimensions shall be 397 (W) x 563 (H) x 594 (D) mm. Weight shall be no more than 33 kg.

Block Diagrams



Frequency Response



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