



# SF22SP

Powered  
Dual 12 Inch  
Subwoofer

**SoundFactor**

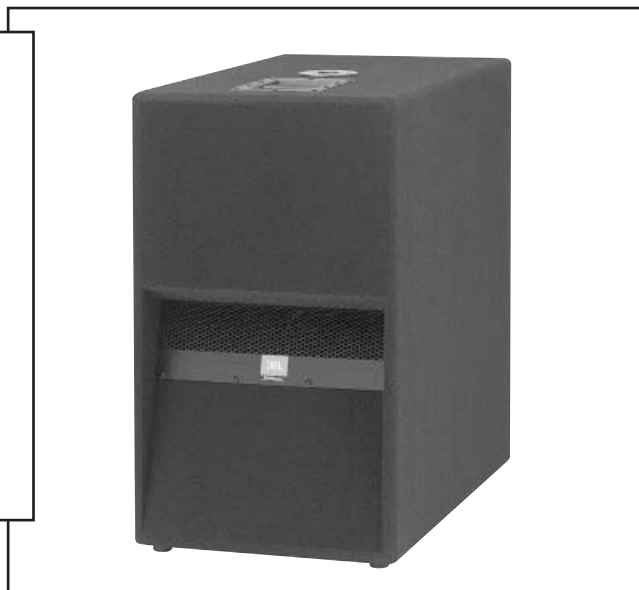
## Key Features:

- ▶ Dual 12 inch, band-pass design.
- ▶ The rugged enclosure is constructed from 19 mm (¾ in) MDF (Medium Density Fiberboard) using advanced adhesives and mechanical fastener technology for durability and improved low-frequency performance. The enclosure is covered in black carpet.
- ▶ Heavy duty, all steel handles are used.
- ▶ Four detachable, swiveling casters are included for easy transport.
- ▶ A top mounted, cast aluminum 35 mm pole mount receptacle can receive the included 24 inch (610 mm) pole to facilitate use of the SF22SP as a base for a mid-high speaker cabinet.
- ▶ Built-in 500 watt (peak), 300 watt (continuous) amplifier. Controls, connectors, and indicators are clearly labeled with large, high-contrast graphics for easy operation in poorly lit environments.
- ▶ Integral, preset limiter prevents clipping distortion. An LED illuminates to indicate that limiting is taking place.
- ▶ Line-level stereo inputs are summed before being sent to the subwoofer's internal amplifier. This feature allows the SF22SP to operate in stereo systems using a single subwoofer.
- ▶ An integral crossover also provides balanced, line-level, stereo, high-passed outputs to feed powered satellite speakers or an external amplifier for passive satellites.
- ▶ A speaker-level, ¼" TS phone jack is provided. This input is useful in applications, such as those employing powered mixers, in which it is more practical to bring a full-range, speaker-level signal to the subwoofer amplifier.

The SoundFactor SF22SP is a dual 12 inch, powered subwoofer using a fourth-order symmetrical band pass enclosure design. A built-in 500 watt (peak) amplifier accepts stereo or mono line level inputs via balanced, XLR connectors as well as single channel speaker level input via a ¼ inch phone jack. Integral signal processing includes a stereo crossover and limiting for the internal amplifier. A pair of XLR output connectors may be used to pass the input signals to another system or to send a high-passed, line-level signal to a pair of powered, full-range speakers.



With SF15 and  
Included Pole



The SF22SP is designed to supplement and extend the low frequency performance of full-range systems in live sound and music playback applications. It is an excellent choice for use with powered full-range speakers or in systems using powered mixers. The speaker is configured for vertical orientation, but may also be used horizontally.

## Specifications:

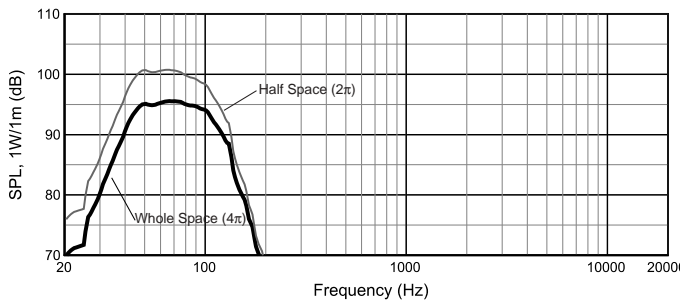
System Type:	Powered, dual 12" subwoofer, band-pass enclosure
Frequency Range (-10 dB): <sup>1</sup>	33 Hz - 125 Hz
Frequency Response (±3 dB): <sup>1</sup>	41 Hz - 110 Hz
Sensitivity (1w/1m):	95 dB SPL
Nominal Impedance:	4 Ω
Rated Maximum SPL:	122 dB peak, @1 m (3.3 ft) at 500 watts
Dimensions (H x W x D):	810.3 mm x 463.6 mm x 850.1 mm (31.90 in x 18.25 in x 33.47 in)
Net Weight:	57.1 kg (126 lbs) including casters
Shipping Weight:	61.7 kg (136 lbs)
LF Driver:	2 x M212-8
Included Accessories:	4 x swivel casters 1 x 24", 35 mm pole
Amplifier Power:	Continuous: 300 watts with < 0.2% THD Peak: 500 watts
Input Connectors:	2 x XLR/F, balanced, line level 1 x 1/4" phone jack, speaker level
Input Impedance:	Nominally 20k Ohms, electronically balanced
Input Sensitivity:	0.5 Vrms for 300 watt output (SUB LEVEL control fully clock-wise)
Maximum Input Level:	INPUTS A & B: +4 dBu (nominal), +22 dBu (max.), one channel driven
Output Connectors:	2 x XLR/M
Crossover:	LPF: 100 Hz, 24 dB / Oct Infrasonic filter: 25 Hz, 18 dB / Oct
Required AC Mains:	50/60 Hz (North American units are 60 Hz only); 120 and 230-240 VAC (±10%) units are available
AC Line Current:	120 volts: 1.4 A at 1/8 power with sine-wave input, 3.6 A at max. power with pink noise input 230-240 volts: 0.7 A at 1/8 power with sine-wave input, 1.8 A at max. power with pink noise input
Power Consumption at Idle:	No more than 20 watts

<sup>1</sup> Frequency Range and Frequency Response are based on half-space conditions.

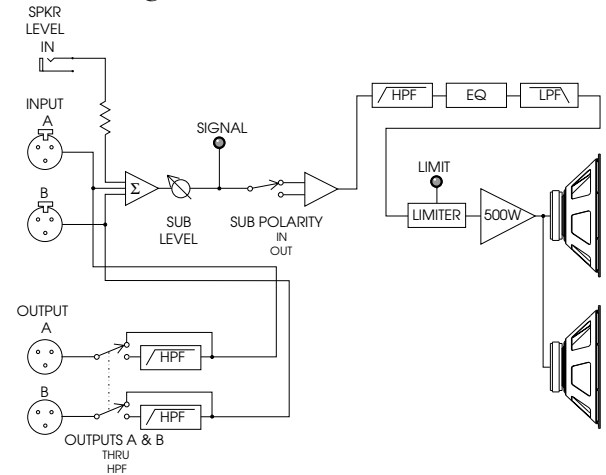
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## ► SF22SP Powered Dual 12 Inch Subwoofer

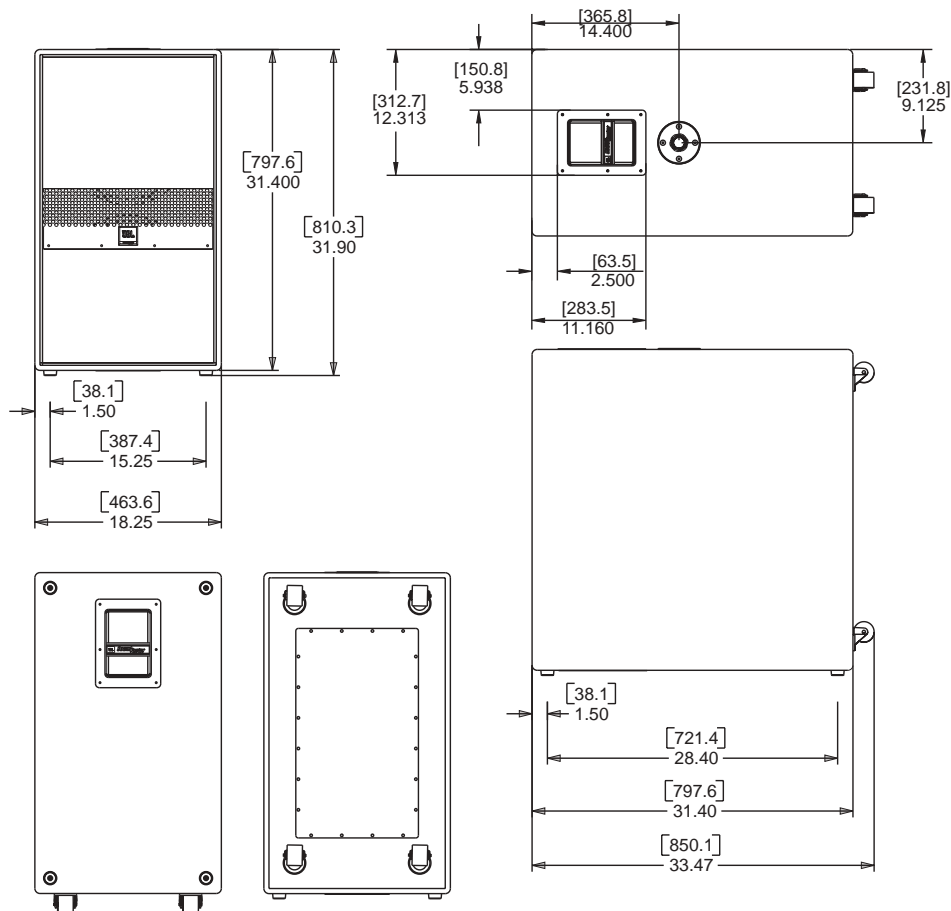
### Frequency Response:



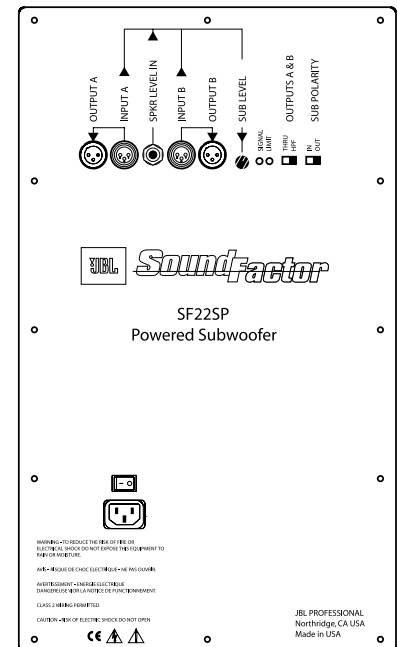
### Block Diagram:



### Dimensions:



### Panel:



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