

SF12A

12" 2-way Active Sound Reinforcement Loudspeaker

Live Sound, Speech, Playback, DJ, A/V, Institutional Venues



Specifications

model#	SF12A
Type	12" 2-way
LF Amplifier Power	200W (AB), RMS @ 1% THD 320W (AB), peak power
HF Amplifier Power	50W (AB), RMS @1% THD 80W(AB), peak power
Input Type	Balanced Differential Line
Input Impedance	Line: 20k ohms
Sensitivity	Line: 1.23V(+4dBu)
Freq. Range(-10dB)	55 Hz -20k Hz
Max Calculated SPL	125 dB
Crossover Frequency	2.4k Hz
EQ	Shelving: 12k Hz / +/-15dB 80 Hz / +/-15dB
Connectors	Input: XLR and 1/4" jack Output: Male XLR Link
AC Input	Male IEC
AC Power Requirement (Depends on region)	115V, 50 Hz/60 Hz 230V, 50 Hz/60 Hz
HF Horn Coverage Angles(-6dB)	90° H x 45° V
Enclosure Material	Polypropylene
Suspension	M8 5 Forged Steel Eyebolts: Top x 2, Bottom x 2 and 1 on rear of enclosure
Finish/Color	Black
Transducers/ Replacement Parts	LF: L12G 12" (305mm) Ferrite driver HF: H34G, 1.34" (34 mm) driver
Dimensions(HxWxD)	62.3 x 37.8 x 36.3 (cm) 24.5 x 14.9 x 14.3 (in.)
Net Weight	20 kg (44 lbs)
Shipping Weight	22.6 kg (49.8 lbs)

General Description

The SF12A sets a best value for powered speakers. Its design provides the user an easy to use 2-band EQ section, reliable HF/LF protection circuit and plenty of power in a very compact, attractive package. This is a full range loudspeaker ideal for applications requiring

high-quality sound. Careful attention to the dynamic requirements of music guided the amplifier design to provide high SPL. The high quality microphone preamplifier provides great sounding vocals or speech. A master level control sets the desired SPL, and the mic/line input is a flexible feature for a small PA with a single microphone. Its linear response is easily optimized for speech or music with the on board 2-band equalization. Built-in pole mount and optional rigging hardware make it easy to position for your application. The high-frequency section of the SF12A utilizes an integrated 90° x 45° horn to ensure high intelligibility. Vocals sound natural yet "cut through" reverberant, noisy rooms. The SF12A's high-frequency horn is driven by the H34G, a 1.34 inch diaphragm, wide-bandwidth, titanium-diaphragm driver for smooth and extended high-frequency response.

Features

- Lightweight, Ergonomic Size - 44 lb (20 kg)
- Angled Enclosure for Monitor Use
- Mic/Line Inputs
- 320 W Dynamic LF Power
- 80 W Dynamic HF Power
- LF and HF Equalization
- Line Output for Additional Speakers
- 90° x 45° Constant Coverage Horn
- High Sensitivity, 128 dB Maximum SPL
- Overload Protection
- Built-in Pole Mount
- Easily Suspended with Optional Rigging Kit

SF12A Part Numbers

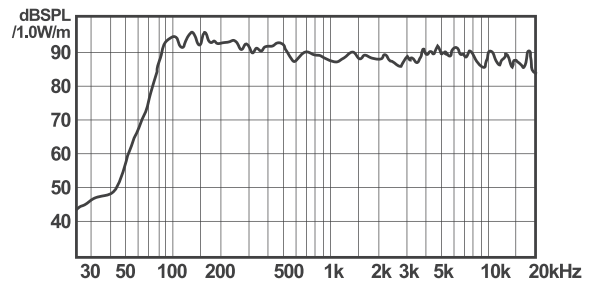
- 120V: WH00SF12A0100
- 230V: WH00SF12A0101

Rear Panel

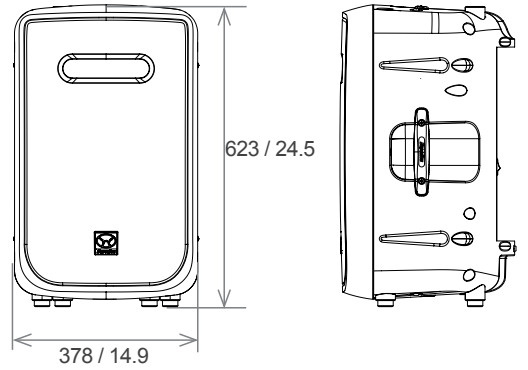
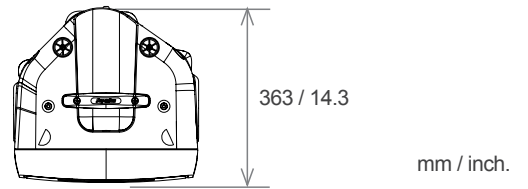


- XLR and 1/4" balanced inputs for mic or line signals
- This control will determine the line input level to be sent to built-in power amplifier. Set the knob to appropriate position to avoid over-drive the speaker. The CLIP indicator will light up when input level control is set too high to cause distortion. Turn down the level control till the distortion is gone to make sure you get the best performance from the speaker.
- Two band EQ can offer +/-15dB boost and cut on 12kHz and 80Hz (shelving) for perfect sound adjustment.
- An additional line output for connecting to another active speaker

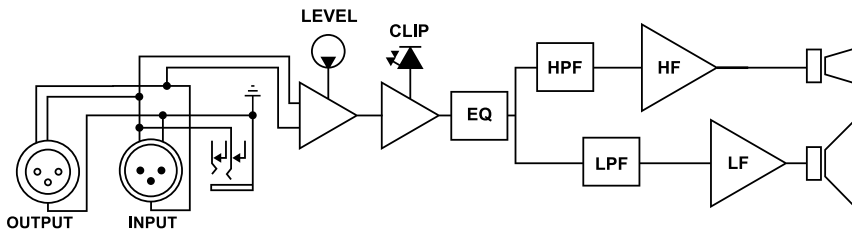
Frequency Response



Dimension



Block Diagram



Performance Match



SF12AS, 12" active subwoofer loudspeaker

Disco / Pub

- + A pair of SF12A
- + A pair of SF12AS



Small Concert

- + A pair of SF12A
- + One SF12AS



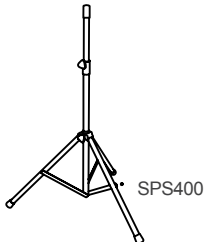
Presentations

- A pair of SF12A

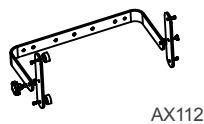


Optional Accessories

Tripod Stand
model# SPS400



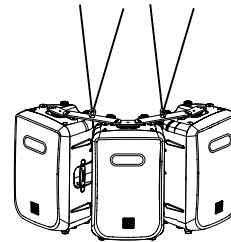
U-Bracket Kit
model# AX112



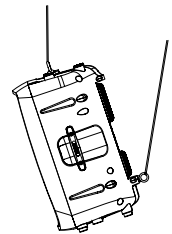
Connecting Plate for
horizontal array
model# AX112AR



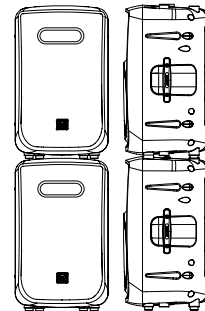
Installation & Placement



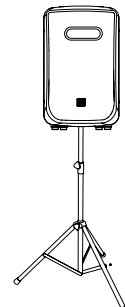
LINE ARRAY



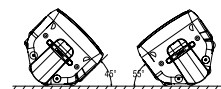
SUSPENDED



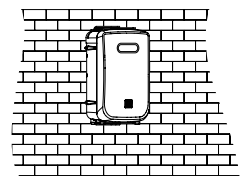
STACKING



ON A STAND



FLOOR MORNITOR



ON A WALL