pro audio tools

S12-P

Powered 12" Compact Sub-Woofer

Features

12" Woofer
Birch Plywood Box
Class AB internal Power Amp Module
Integrated Stereo 24 dB/oct X-over

Applications

Medium and Large PA
Open Sites
Audio Visual
Fixed Installation

Specifications

1000 Watts RMS
126 dB Max Spl @ 1 mt
40Hz - 150Hz +/- 4 dB
Female XLR bal. Input
Male XLR Link Out and High-Pass Out
38x50x52 cm 24Kg

The S12P is a self-powered Sub-woofer enclosure designed for use in a variety of theater, corporate and audio-visual applications, as well as in numerous fixed installations ranging from nightclubs and bars to disco and live-music pubs. It consists of a custom 3" voice coil 12" low frequency driver in a compact vented enclosure, optimally tuned for extended low frequency response, together with a powerful integrated amplifier module. The S12P features a new Class AB amplifier capable of delivering 1000 watts rms into 8. to give optimal performance from the drive unit. This gives the capability to reproduce transients accurately with ample headroom, while the limiters protect the woofer from being over driven. A 24 dB/oct slope crossover ensures perfect satellites match. An 80mm fan ensures perfect forced cooling in every condition. The enclosure is constructed from 18 birch plywood, heavily braced internally. Recessed iron handles are fitted for easy lifting and carrying. On one of the sides of the box are provided four wells points to install optional wells for easy transport possibility. An integral pole mount is fitted to the top of the enclosure to allow satellite speaker to be mounted at the correct height above the subwoofer. It is finished in black semi-matt textured paint An exclusive steel mesh grille protects the drive unit from damage.

L'S12P è un Sub-woofer attivo progettato per essere utilizzato in varie situazioni, come teatri, concerti, conferenze o installazioni audio e video. Inoltre è particolarmente adatto alle installazioni fisse in locali quali pub, discoteche, live music pub, etc.. È composto da una bobina da 3" montata su un cono da 12" il tutto in uno chassis reflex appositamente studiato per esaltare le basse frequenze. L'S12P monta un amplificatore in classe AB capace di ben 1000 watt rms su 8 ohm. Il tutto permette di riprodurre al meglio tutte le dinamiche mentre il limiter protegge l'altoparlante da sovraccarichi e distorsioni. Un cross over integrato a 24 dB/oct offre un taglio accurato per le uscite "satellite". Inoltre una ventola da 80mm ne garantisce il corretto raffreddamento in ogni condizione d utilizzo. La cassa è costruita in multistrato di betulla da 18mm, con maniglie in metallo incorporate e flangia per aste da 35mm sulla parte superiore. Il tutto verniciato in nero semi lucido, compresa la rete frontale posta a protezione dell'altoparlante.

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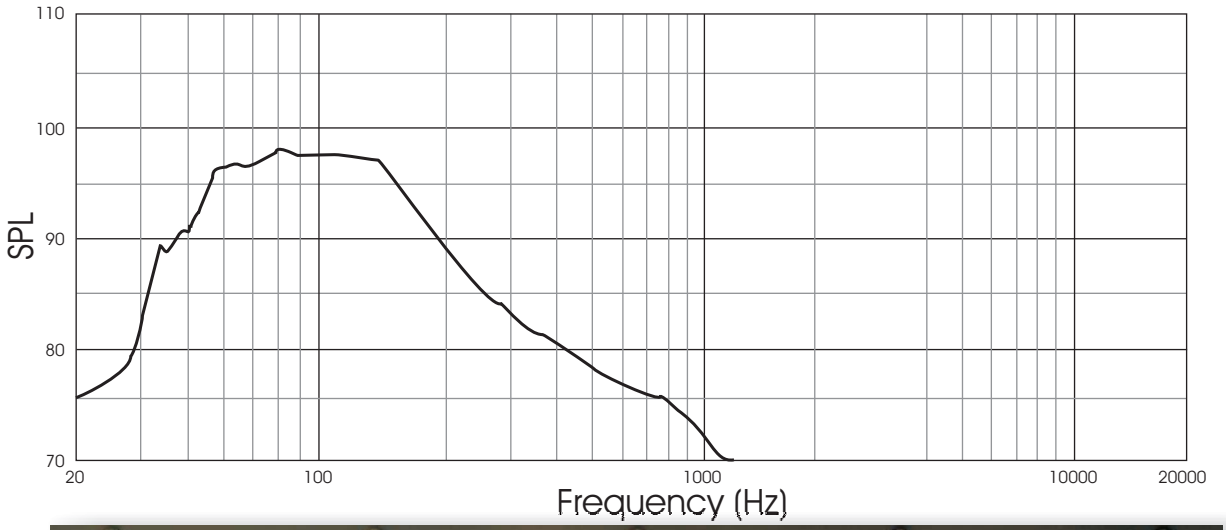

Technical Specifications

Acoustic	
Power Handling	800 watt RMS [1]
Max Power	1200 watt RMS [2]
Impedance	8 ohm
Operating Frequency Range	35Hz - 150Hz [3]
Frequency Range	40Hz-150Hz +/-4 dB [4]
SPL 1W/1mt	96 dB [5]
Maximum SPL	126 dB [6]
Cross Over	
Type	24 dB/oct slope
Frequency	150Hz
Transducer	
Low Frequency	12" Woofer whit 3" Voice Coil
Input	
Connector	Balanced two XLR (Stereo Input)
Wiring	It is possible to feed the amplifier both with mono and Stereo Signal. In case of mono use it is possible to connect just one cable in Left or Right Input
Output	
Link	Two male XLR allow to connect more units in Link
High	Two male XLR allow to connect Satellites to the Sub
Amplifier	
Type	Bridge Class A/B
Power	1000Watt RMS [8]
Protections	Limiter, Over-current, over-themp., short-circ.
AC Power	
Operating Range	210 V AC - 240 V AC 50 Hz
Max Continuous and Burst Current	4 A (>10 sec.), 8 A (< 1sec.)

1. Power handling is measured following AES standard conditions: Transducers driven continuously for two hours with a band-limitednoise signal having 6 dB of crest factor.
2. Max power is the maximum applicable power for a musical signal, the ref signal is the one proposed by EIAJ standard.
3. Recommended maximum operating frequency range. Response depends on loading conditions and room acoustics.
4. Free field measured with 1/3 octave frequency resolution at 2 meters.
5. Measured @ 4 mt then scaled @ 1 mt.
6. Measured with audio source @ 1 meter.
7. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance .

New materials and design are introduced into existing products without previous notice.
Present systems may differ in some respects from those presented in this brochure.