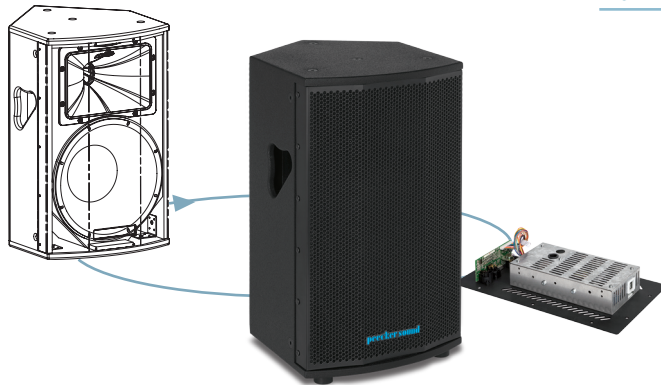


4012MH overview



- 12" Neodymium woofer;
- 1" Mylar driver;
- Weatherproof treated components;
- Birch plywood cabinet;
- Controlled sound dispersion angle: 90°x 50°;
- Active and passive versions;
- Double inclination of the cabinet as a stage monitor;
- A.W.S.H.® (Acoustic Wave Shaped Horn);
- RODAP® (RObust Design And Prototyping).

TWO-WAY MULTIPURPOSE LOUDSPEAKER SYSTEM

DESCRIPTION

This multipurpose birch plywood loudspeaker system is provided with a proprietary aluminium horn (A.W.S.H.®) being designed for a complete rephasing of the acoustic waveguide with the woofer. The electroacoustic part is composed by a Neodymium 12"woofer and a horn loaded 1" Mylar driver. The electronic parts present high quality components (minimum phase crossovers, copper coils with Kapton and ferrite powder supports), which guarantee both high power (SPL up to 132 dB) and sound quality. A double inclination pull-mount and the points make the 4012MH speaker very easy to install and extremely flexible. The water painting with monocomponent embossed varnish has been studied on purpose to resist to damages due to abrasions, scratches, shocks or moisture. The speaker design has been carried out following the procedures of the RODAP® method, which involves know how of all the Sound Corporation business units.

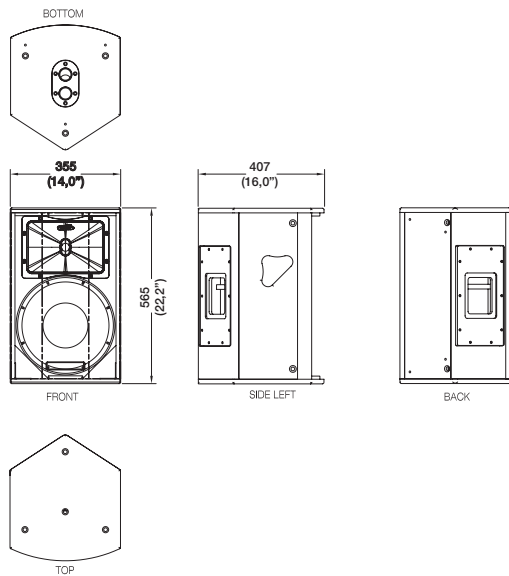
APPLICATIONS

Multipurpose loudspeaker suitable for discos music-bars, pubs and medium clubs. As a matter of fact the, 4012MH speaker can reach a SPL of 100 dB at 25 meters. The cabinet's geometry makes it suitable for utilization as a floor monitor.

VERSIONS

The speaker is available in both active (4012MH/A) and passive (4012MH) versions. The self-powered version is gifted with a class D switching amplifier. This amplifier presents advanced protection algorithms that optimize the supplied power and at the same time great reliability and security. Its weight and sound quality are the best solution for whom is looking for high fidelity along with easy handling.

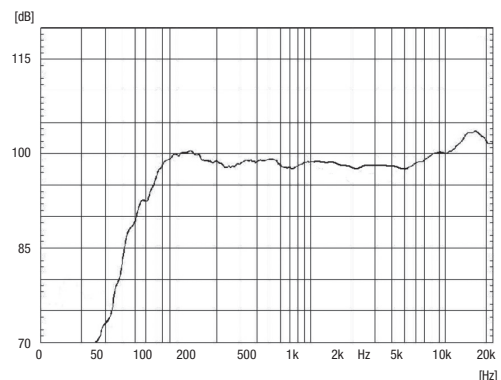
DRAWING



TECHNICAL SPECIFICATIONS

	4012MH	4012MH/A
System configuration	2 way loudspeaker system	2 way active loudspeaker system
Power handling RMS	400 W	Class D switching amplifier
Frequency response	50 ÷ 19k Hz	50 ÷ 19k Hz
Peak SPL (@1m)	132 dB	132 dB
Impedance	8 Ohm	/
Dispersion angle (-6 dB)	90° horiz. 50° vert.	90° horiz. 50° vert.
Transducers	LF 1x12", HF 1x1"	LF 1x12", HF 1x1"
Cabinet	birch plywood	birch plywood
Input connectors	2xNL4 Speakon	XLR - NAC3MPA
Dimensions (WxHxD)	355x565x407 mm	355x565x407 mm
Net weight (Kg)	19,5	20

FREQUENCY RESPONSE



All the measurements carried out in Sound Corporation laboratories

