

LINE SOURCE SYSTEM

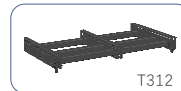
For Fixed installation & Touring



LA 312 3-way system



Accessories



T312



QRP80/12

T312: Rigging Bumper for LA312, load max 16 cabinets
QRP80/12: Locking pin for flying or stacking LA312 cabinets.

Features

The LA312 is a high quality vertical line source array system. The specified conception is based on the technology of LCW™ (Linear Coupled Waveguide) including the new special waveguide and the new Mid-High frequencies layout design.

The MIDO212 shall be an active 3-way loudspeaker system, the low section with double 12-inch cone drivers load by a bass-reflex tuned enclosure. And one 10-inch midrange cone driver and 2 x 2-inch voice coil compression drivers with proprietary special design waveguide together fixed on a collinear mid and high frequency horns layout increase the efficiency of mid frequency and high frequency. As a full range system, the frequency response shall be 40 Hz to 18 kHz (-10dB).

The cabinet shall be installed using a dedicated rigging bumper and accessories, offering a safety and innovative rigging system.

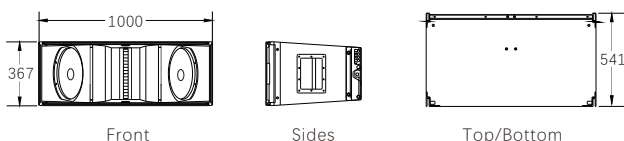
The cabinet constructed of 18 mm birch plywood with internal braces include 2 mental recessed handles and have 4-points aluminum rigging system is installed on the sides of the cabinet, flying up to 16 elements.

The cabinet is finished in excellent black impact resistant textured paint and the front of the cabinet shall be protected by a rigid mental grill covered with replaceable acoustically transparent silks.

Applications

The LA 312 is a large scale line source array system, designed for medium to large power applications, including touring, stadiums, theatre, churches and multi-purpose halls etc. combined with a&a series subwoofers can meet your applications of outdoor/ indoor sound reinforcement.

Overall dimensions



Technical specifications

Frequency response@-10dB	40 Hz ~18 kHz
Coverage angle@-6 dB	H: 90° V: 0°~7.5°
Sensitivity@1w/1m	LF: 102 dB/SPL MF: 100 dB/SPL HF: 110 dB/SPL
Maximum SPL@1m f >90Hz, AES/Peak	LF: 132 dB @AES / 138 dB @Peak /SPL MF: 127 dB @AES / 133 dB @Peak /SPL HF: 132 dB @AES / 138 dB @Peak /SPL
Nominal impedance	LF: 2 x 8 ohms MF:16 ohms HF:16 ohms
Power rated	LF: 2 x 500W @AES / 2 x 1000W @Peak MF:300W @AES / 600W @Peak HF:160W @AES / 320W @Peak
Components	LF: 2 x 12" cone drivers MF: 1 x 10" cone driver HF: 2 x 2" diaphragm compression drivers
Type of load	LF: bass-reflex MF & HF: LCW™ waveguide
Finish	Black, other colours on request
Cabinet	18mm birch plywood with internal reinforcement, finished in water-based textured paint
Connectors	2 x Neutrik Speakon NL8MP
Rigging	4 points flying system Aluminum accessories on both sides
Dimensions (H x W x D)	367 x1000 x 541 mm
Weight	Unit net weight: 63kg Unit gross weight: 68kg

»Sensitivity is the average SPL measured over the components rated bandwidthPower rating displays the long term AES power handling capacity using pink noise with a 6 dB crest factor, over the components rated bandwidth

» Directivity is averaged over the 250Hz-10 kHz range.

» The SPEAKON cables connectors are wired,

Low 1: hot pin 1+, cold pin 1-

Low 2: hot pin 2+, cold pin 2-

Mid: hot pin 3+, cold pin 3-

High: hot pin 4+, cold pin 4-