

General Product Description

Rx-212/75

The Rx-212/75 is a two-way, full-range loudspeaker system that incorporates two 12-inch woofers and a 3-inch voice coil compression driver on an asymmetrical 75-degree x 50-degree fully rotatable constant-directivity horn. In factory-delivered position, the horn provides a 15-degree up/35-degree down vertical coverage pattern. The trapezoidal cabinet design allows this main PA system cabinet to easily conform to small arrays. The fully rotatable horn means that regardless of cabinet position, pattern control is fully user-determined.

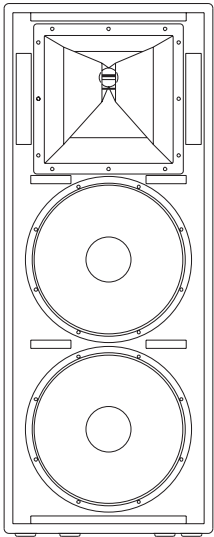
The Rx-212/75 is a good solution for small-to-medium size rooms as a main PA, as it provides good bass response for speech and music at medium levels. It's main application is together with Rx 118S or Rx 218S Subwoofers as hi-power mid-hi cabinet. The asymmetrical horn can allow a single box to more adequately direct the high frequencies as needed, as well as streamline multi-cabinet arrays by extending horizontal coverage while minimizing overlapping and allowing tighter packs between the cabinets.

The M 212 processing module for modulre P-series amplifiers provides optimized processing for fullrange use or in combination with any of the Rx-subwoofers.

Rx-212/75
Loudspeaker System



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S P E A K E R
S Y S T E M S



Speaker Description

LF Section & Components	2 x 12-inch woofer in vented enclosure
HF Section & Components	DH7 HF compression driver with 3-inch titanium diaphragm on an asymmetric 75 x 50 horn
System Configuration	Two-way, full-range
Powering Configuration	Switchable passive or biamp
Recommended High-Pass Frequency (12 dB/octave min.)	45 Hz
Cabinet Type (shape)	Trapezoidal
Enclosure Materials	13-ply birch plywood
Finish	Black textured paint
Connectors	Two Neutrik NL4
Suspension (optional)	prepared for Rx-Rigging kit
Grille	Powder-coated perforated steel
Accessories	Rx-Rigging kit (2 L-tracks, 1 single stud plate incl. studs) M-212 processing module for P 1201, P 1202 system amplifier

Rx-212/75

Speaker System

Speaker Characteristics

Frequency Response

-10dB	65 Hz-18 kHz
-10dB*)	43 Hz-18 kHz
*) using M-212 module	

Axial Sensitivity

SPL, 1 watt @ 1 m, Passive	102 dB
SPL, 1 watt @ 1 m, Biamp (LF/HF)	102/112 dB

Impedance

Passive	4 ohms
Biamp (LF/HF)	4/8 ohms

Power Handling

Passive Long-term EIA	650 watts
Short-term peak	2600 watts
Biamp - LF Long-term EIA	600 watts
Short-term peak	2400 watts
Biamp - HF Long-term AES	75 watts
Short-term peak	300 watts

Calculated Maximum Output SPL

Long-term	130 dB
Peak	136 dB

Nominal Coverage Angle

Horizontal (-6 dB)	75°
Vertical (-6 dB)	+15/-35°

Dimensions

Height	990 mm	(39.98 in.)
Width at front	390 mm	(45.35 in.)
Width at back	240 mm	(9.45 in.)
Depth	375 mm	(16.02 in.)
Trapezoid angle	10° per side	

Weights

Net Weight	36,5 kg
Shipping Weight	39,5 kg

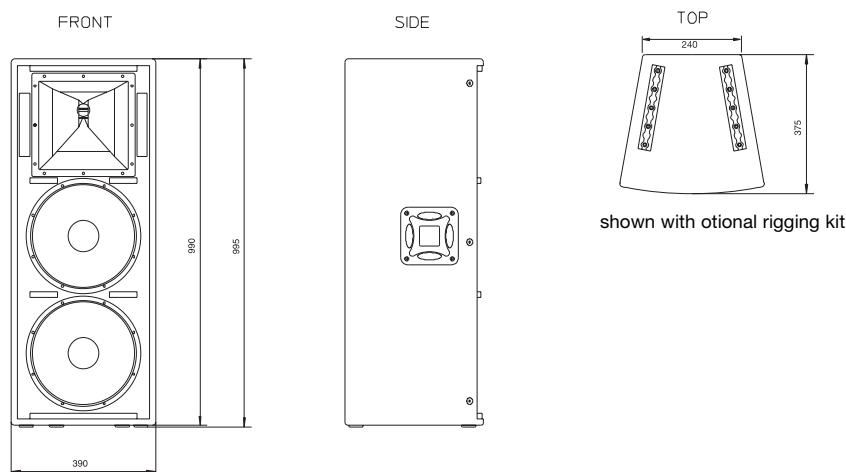
Architects' and Engineers' Specifications

Rx-212/75

The two-way, full-range loudspeaker system shall incorporate two 12-inch transducer with a cast aluminum basket as the LF component and one 3-inch diameter voice coil/diaphragm compression driver as the HF component. The compression driver shall be mounted on a 75-degree x 50-degree asymmetrical constant directivity horn with a factory delivered positioning of 15-degrees up/35-degrees down/50-degrees horizontal configuration. The horn shall be constructed of a material and design so as to be structurally capable of supporting the HF driver without any internal braces or suspension, allowing full 360-degree rotation of the horn. The enclosure shall be vented and tuned for optimum low-frequency extension. An internal passive filter network shall be included providing crossover filters or component band passes and nominal system voicing. The input panel shall incorporate two switches allowing external configuration between biamped or passive operation. Input connections shall be accommodated with two paralleled NL4 female Speakon® connectors.

Loudspeaker system frequency response shall be no less than 65 Hz to 18 kHz (-10 dB) measured on axis. The loudspeaker shall produce a sound pressure level (SPL) of 102 dB on axis at 1 meter with a power input of 1 watt and shall be capable of sustaining full power, long-term average output of 130 dB on axis at 1 meter. The full-range system with passive network engaged shall handle 650 watts of amplified power long term in compliance with AES-EIA standards and have a nominal impedance of 8 ohms.

The loudspeaker enclosure shall be constructed of 13-ply void-free cross-grain-laminated birch plywood. It shall be finished in black textured paint. Handles shall be recessed within the sides of the enclosure and of such design to allow safe handling from any direction. The top of the enclosure shall be prepared for L-track rigging option and the rear shall have a pull-up point. The two-way full-range loudspeaker system shall be the Electro-Voice® model Rx-212/75.



Electro-Voice®

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