



PRX312MD

12 Inch 2-Way
Stage Monitor

Professional Series

Key Features:

- ▶ Premium 12-inch low frequency driver with a 2 ½ inch diameter edge-wound ribbon voice coil for solid and extended bass, high efficiency and power handling
- ▶ JBL 2412 1-inch ferro-fluid cooled compression driver with titanium diaphragm delivers clean and warm high notes and uncompromised reliability
- ▶ JBL SonicGuard™ technology constantly protects the high frequency driver from excessive power
- ▶ Precision-crafted crossover feeds drivers with clear-cut frequencies and delivers coherent summation in the crossover region
- ▶ Progressive Transition™ waveguide provides superior coverage control, reduced distortion and smoother frequency response
- ▶ Rugged enclosure made from 15mm MDF (Medium Density Fiberboard)
- ▶ 36-mm dual angle pole-mounting socket
- ▶ Dent-resistant grille protects the internal from damage on the move or during the show

Applications:

- ▶ For live performance or speech stage monitoring applications.

PRX312MD is a 12-inch portable two-way speaker system designed for stage monitoring at live performance or speech.

For the low ends, PRX312MD uses a premium 12-inch low frequency driver with a edge-wound ribbon voice coil of 2 ½ inch (64mm) in diameter to bring the system solid bass, high efficiency and large power handling capabilities. A JBL 2412 1-inch ferro-fluid cooled compression driver with titanium diaphragm provides the system with clean and warm high notes and uncompromised reliability. JBL SonicGuard™ technology improves system stability by protecting the high frequency driver from excessive power without interrupting the show. Apart from the drivers, fault-free performance of the system also relies on the precision-crafted crossover network, which feeds the two drivers with clear cut frequencies with minimum overlap and is capable of handling high power with its high-voltage capacitors and inductors. The patented Progressive Transition™ waveguide mounts on top of the tweeter and provides the system with superior coverage control, reduced distortion and smoother frequency response.

PRX312MD encloses all the acoustic components in a rugged cabinet constructed from 15mm MDF (Medium Density Fiberboard) using advanced adhesives and mechanical fastener technology for extreme durability and improved low frequency response. Two all-steel handles are integrated to sides of the case to make transport and setup easier. A 36-mm socket allows PRX312MD to be mounted on a speaker pole and to work as a main or fill. The socket supports either up-straight standing or 10° tilting, helpful when the audience coverage needs to be uniformed. For the front of the speaker, a dent-resistant grille made from 18-gauge perforated steel protects the components inside from damage on the move or during the show.



Specifications:

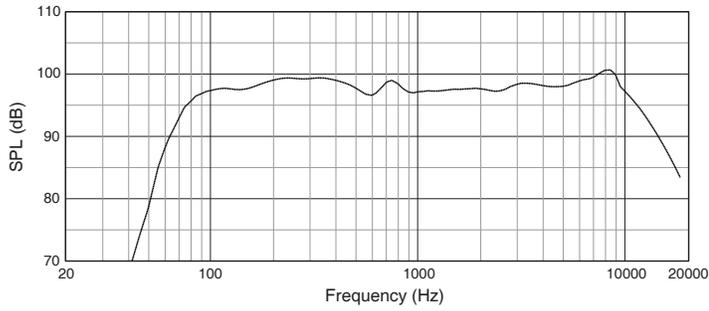
System Type:	12" 2-way stage monitor
Frequency Range (-10 dB) ¹ :	60 Hz – 16 kHz
Frequency Response (±3dB) ¹ :	70 Hz – 12 kHz
Sensitivity (1w@1m):	99 dB SPL
Nominal Impedance:	8 Ω
Power Capacity ² :	250 watts
Peak Power Capacity ² :	1000 watts
Recommended Amplifier Power:	250 - 500 watts @ 8Ω
Maximum SPL:	129 dB
Crossover Frequency:	1.8 kHz
Coverage:	90° × 50°
Dimensions (H × W × D) ³ :	567 mm × 381 mm × 323 mm (22.3 in × 15.0 in × 12.7 in)
Net Weight:	16.7 kg (36.8 lbs)
Shipping Weight:	20.3 kg (44.8 lbs)
HF Driver:	JBL 2412 1" exit compression driver mounted on Progressive Transition™ Waveguide
LF Driver:	JBL M112-8
Input Connector:	Neutrik Speakon® NL-4 (×1); 1/4" TS phone jack (×1); parallel
Enclosure Construction:	15 mm (0.6 in) MDF (Medium Density Fiberboard) with glued and mechanically fastened joint detail; black painting.
Grille:	18-gauge, powder-coated steel
Mounting & Suspension:	36 mm, dual-angle pole-mount socket; 9×M10 suspension points

- 1 Frequency Range and Frequency Response are based on half-space conditions.
- 2 Power Capacity and Peak Power Capacity ratings are based on the average and peak power capacity of product samples subject to a 100 hour power test using random noise with a 6 dB crest factor, in accordance with IEC standards.
- 3 Height dimension includes feet.

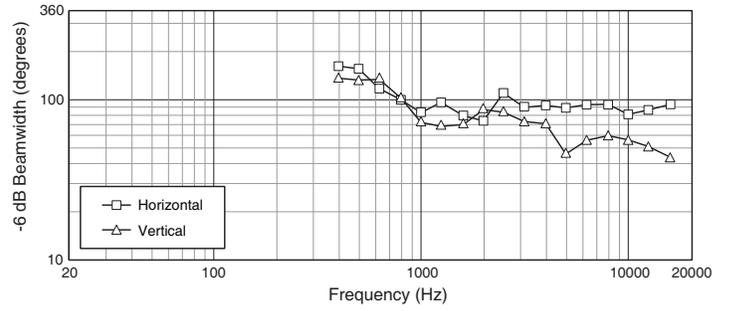
JBL continually engages in research related to product improvement. Some materials, production methods and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise stated.

▶ PRX312MD 12 Inch 2-Way Stage Monitor

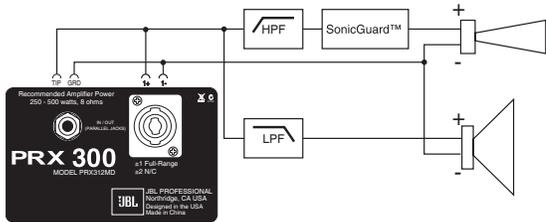
Frequency Response:



Beamwidth:

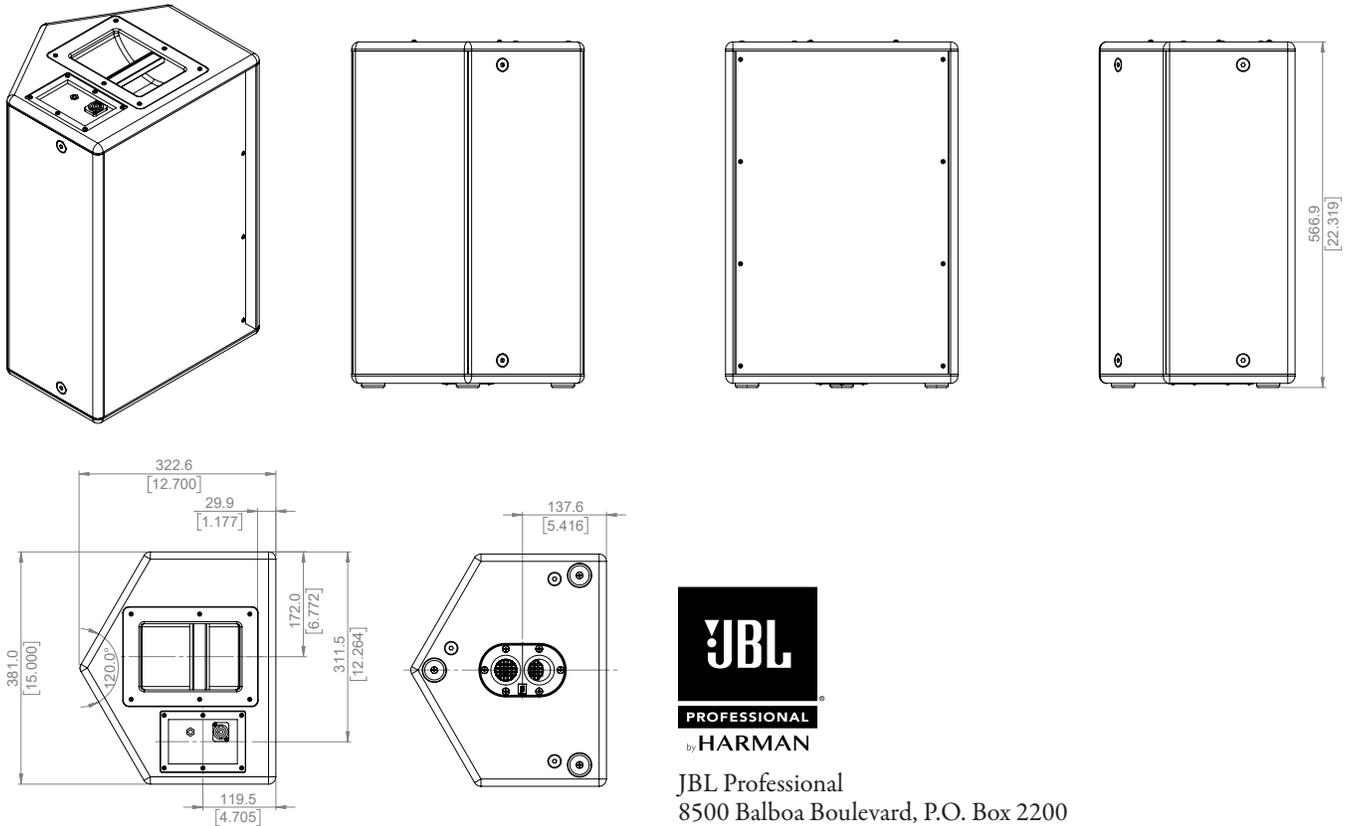


Block Diagram:



Dimensions:

Dimensions in mm (inch)



JBL Professional
8500 Balboa Boulevard, P.O. Box 2200
Northridge, California 91329 U.S.A.

© Copyright 2018 JBL Professional
www.jblpro.com

SS PRX312MD

SZ

22/10/18