



Service Manual

VPX712M

12" Two-way Utility Stage Monitor

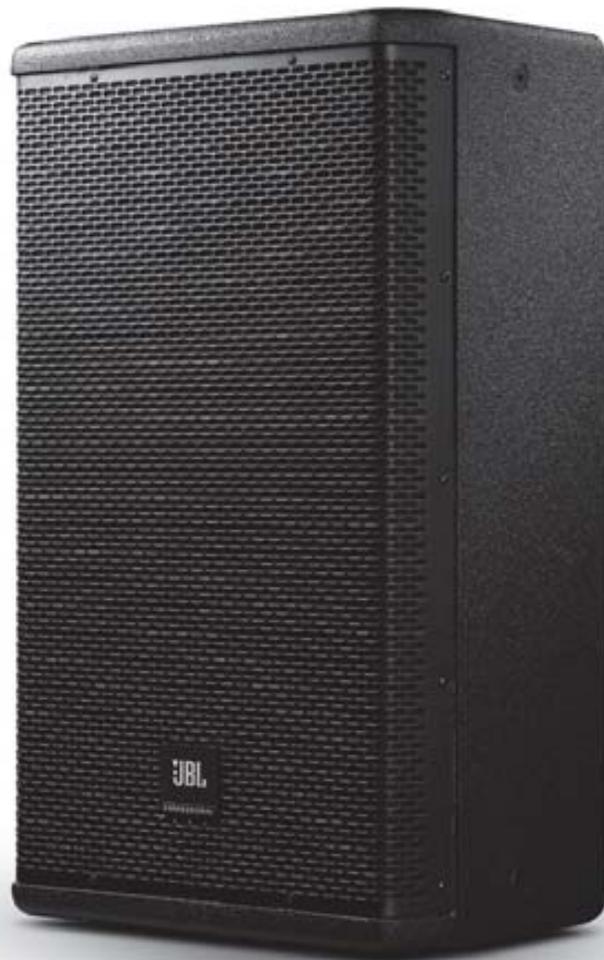




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VPX712M

12" Two-way Utility Stage Monitor

Professional Series

Key Features:

- ▶ 12" high efficiency woofer
- ▶ 1.5" annular polymer diaphragm compression driver
- ▶ Compact and low profile design for minimal obstruction of audience sight lines
- ▶ Enclosure constructed of premium plywood and finished in black DuraFlex™ coating
- ▶ 70° × 60° (H × V) coverage pattern for even and smooth response on and off axis
- ▶ Heavy-duty 16-gauge protective screen backed steel grille
- ▶ Dual-angle socket for pole mounting
- ▶ 13 rigging points for suspension installation

Applications:

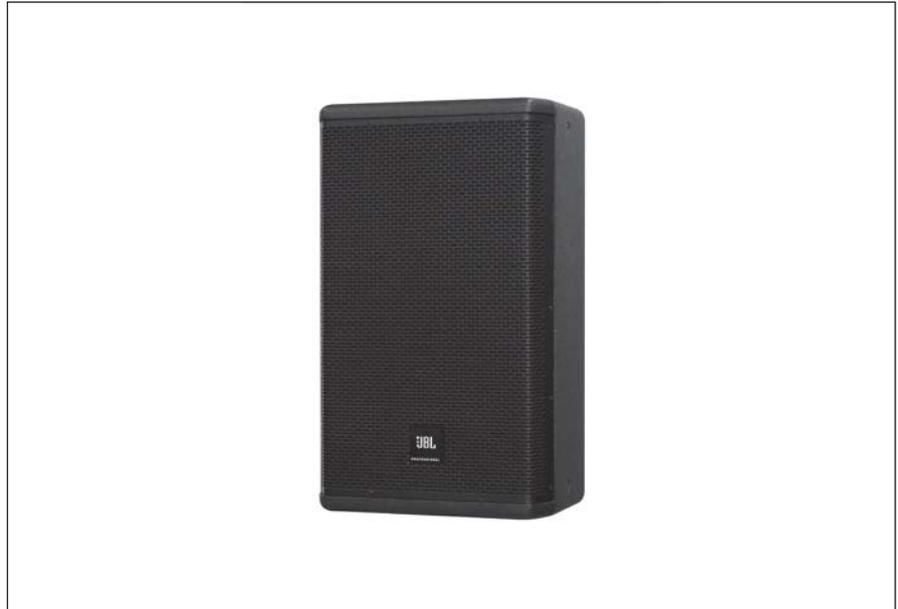
- ▶ Sound reinforcement for live music and speech or pre-recorded applications
- ▶ Can be used as stage monitor or satellite speaker

VPX712M is a 12" two-way utility speaker designed for live music, speech or pre-recorded applications, to work as either a stage monitor or satellite.

VPX712M uses a 1.5" JBL 2408H-2 annular polymer diaphragm neodymium compression driver to collaborate with a 12" high efficiency woofer for acoustic reproduction of high power, low distortion and low power compression. The 12" woofer embeds an optimal demodulating cooling aluminum ring, hence, stable performance is guaranteed even after long working hours. The speaker system creates a 70° × 60° (H × V) coverage pattern to ensure even and smooth response whether installed horizontally or vertically.

VPX712M is designed for multiple purposes, either as a stage monitor or a satellite speaker. Its plywood-made enclosure is in a symmetric wedge shape and compact enough with no intruding to stage performance. One Neutrik® Speakon® NL-4 input connector is accessible on each end of the speaker, which is helpful to keep cabling tidy and organized when it's used for stage monitoring. Thirteen (13) suspension points and a dual-angle (0° straight vertical, 10° backward tilting) 35 mm socket are available for either flying or pole mounting and convenient orientation adjust. The integral handle (input connector cup) makes it easier to transport and install the speaker.

The entire system presents itself in a professional and low profile manner and aims to provide prolonged reliability and durability to its users. The wedge enclosure is constructed of quality plywood and finished in rugged DuraFlex™ coating to sustain frequent transit and set-up. The front grille is made from 16-gauge steel and backed with acoustically transparent fabrics to provide adequate protection to drivers and circuits inside.



Specifications:

System:	
Frequency Range (-10 dB) ¹ :	50 Hz - 20 kHz
Frequency Response (±3 dB) ¹ :	85 Hz - 20 kHz
Coverage Pattern:	70° × 60° (H × V)
Crossover Mode:	Passive
Crossover Frequency:	2.2 kHz
Power Rating ¹ :	400 W/800 W/1600 W (Continuous/Program/Peak)
Sensitivity (1w@1m) ² :	97 dB
Nominal Impedance:	8 Ohms
Maximum SPL ³ :	123 dB (129 dB peak)
Physical:	
LF Driver:	1 × 12" (304.8 mm) woofer
HF Driver:	1 × JBL 2408H-2 tweeter
Enclosure:	Symmetrical stage monitor, 15/18 mm, plywood
Suspension / Mounting:	13 points (3@top, 3@bottom, 2@each side, 3@rear), M10 thread hardware; Dual-angle 35 mm pole socket
Transport:	1 × Integrated handle (input cup)
Finish:	Black DuraFlex™ finish
Grille:	Powder coated, black, 16-gauge perforated steel with acoustically transparent black screen backing
Input Connectors:	2 × Neutrik® Speakon® NL-4 (1@each end)
Dimensions (H × W × D):	636 mm × 381 mm × 344 mm (25.0 in × 15.0 in × 13.5 in)
Net Weight:	18 Kg (39.7 lbs)
Optional Accessories:	SS2-BK: Tripod speaker stand SS3-BK: Satellite speaker pole

¹ IEC standard, pink noise with 6 dB crest factor for 2 hours

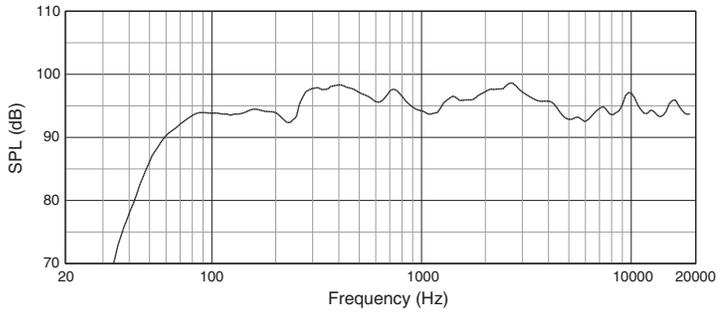
² Full space (4π) conditions

³ Calculated maximum SPL based on rated power handling

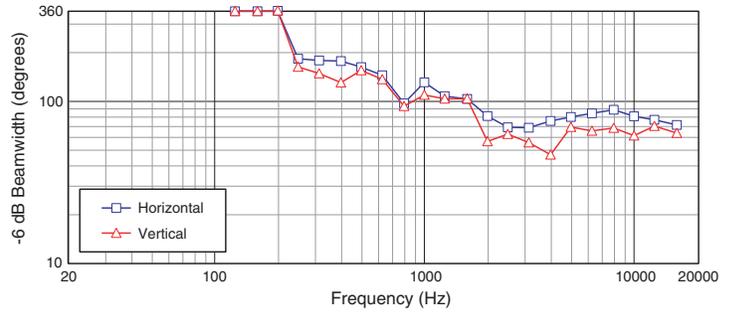
JBL continually engages in research related to product improvement. Some materials, production methods and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published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

▶ VPX712M 12" Two-way Utility Stage Monitor

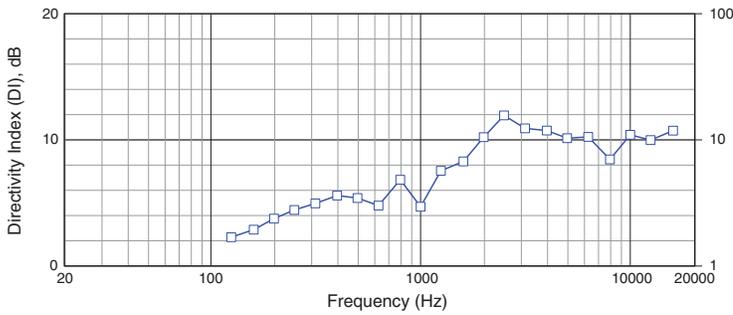
Frequency Response:



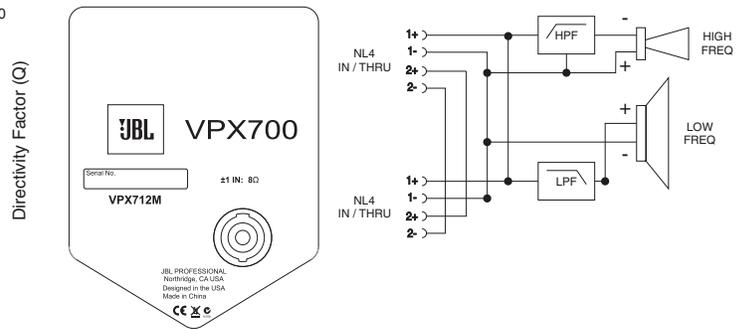
Beamwidth:



Directivity Index:

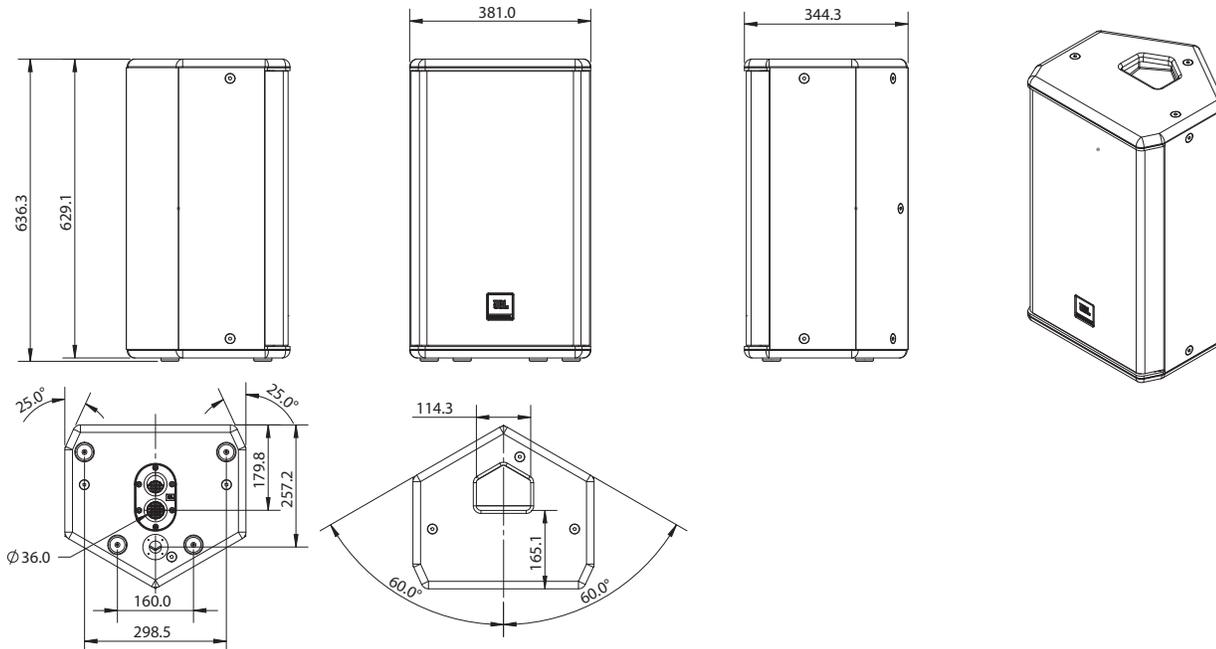


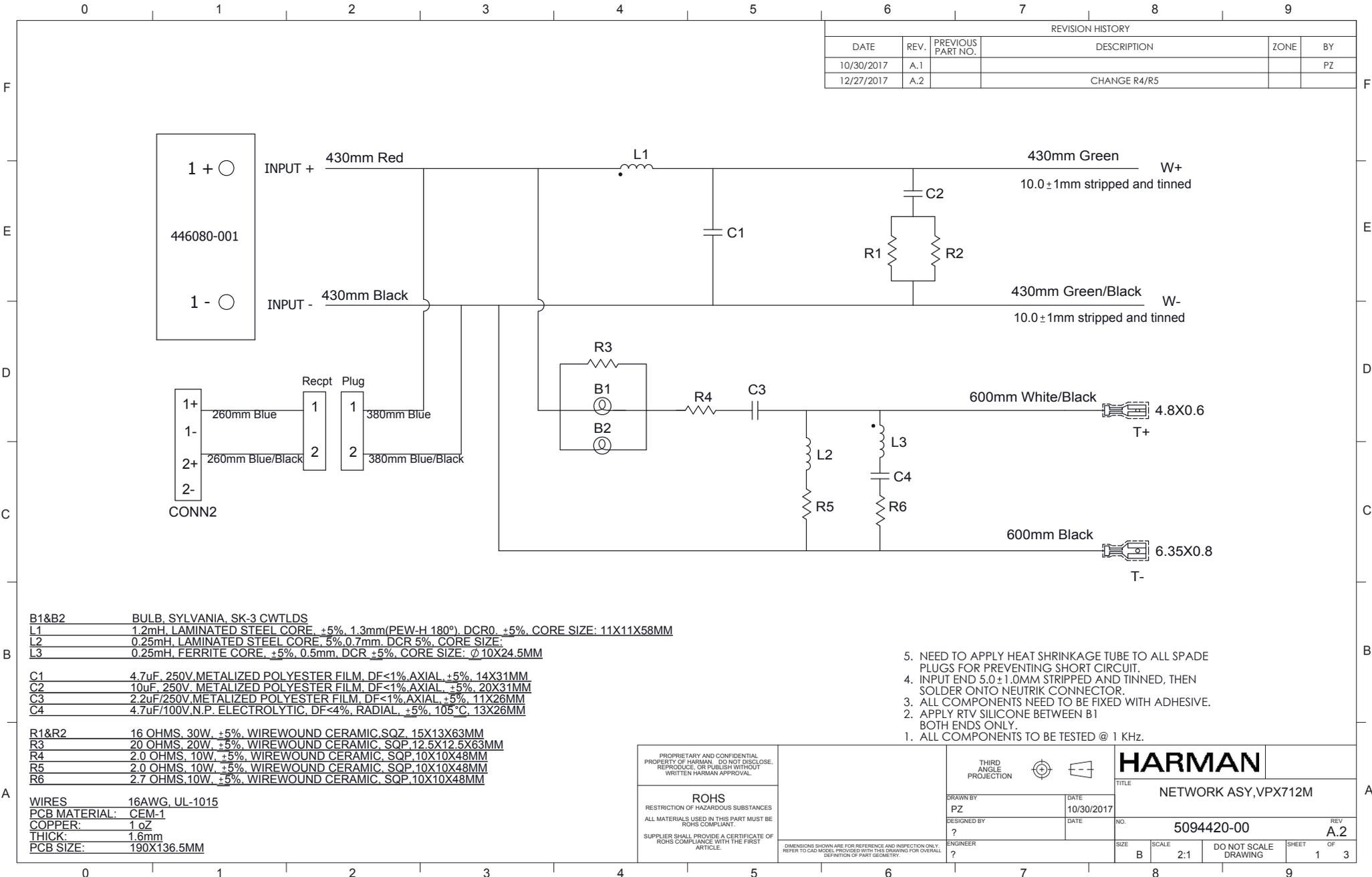
Block Diagram:



Dimensions:

Dimensions in mm





Refer to the corresponding Service Bill of Materials (SBOM) to order parts stocked by Harman.