



Service Manual

VPX715

15" High-Power Two-Way Speaker





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VPX715

15" High-Power Two-way Speaker

Professional Series

Key Features:

- ▶ 15" high efficiency woofer
- ▶ 1.5" annular polymer diaphragm compression driver
- ▶ 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
- ▶ As satellite speaker for use with subwoofers

VPX715 is a 15" two-way speaker system designed for live music, speech or pre-recorded applications.

VPX715 uses a 1.5" JBL 2408H-2 annular polymer diaphragm neodymium compression driver to collaborate with a 15" high efficiency woofer for acoustic reproduction of high power, low distortion and low power compression. The 15" 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 no matter on or off axis.

VPX715 is designed for versatile installation. 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. Two (2) integral handles make it easier to transport and install.

The entire system presents itself in a professional and low profile manner and aims to provide prolonged reliability and durability to its users. The trapezoidal 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 :	47 Hz - 20 kHz
Frequency Response (±3 dB) ¹ :	80 Hz - 20 kHz
Coverage Pattern:	70° × 60° (H × V)
Crossover Mode:	Passive
Crossover Frequency:	2.0 kHz
Power Rating ¹ :	450 W/900 W/1800 W (Continuous/Program/Peak)
Sensitivity (1w@1m) ² :	98 dB
Nominal Impedance:	8 Ohms
Maximum SPL ³ :	125 dB (131 dB peak)
Physical:	
LF Driver:	1 × 15" (381.00 mm) woofer
HF Driver:	1 × JBL 2408H-2 tweeter
Enclosure:	Trapezoidal, 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:	2 × die-cast handles with backing 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
Dimensions (H × W × D):	701 mm × 432 mm × 470 mm (27.6 in × 17.0 in × 18.5 in)
Net Weight:	25.34 Kg (55.87 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

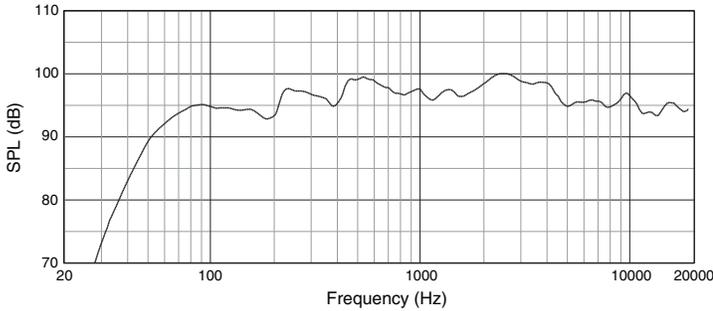
² Full space (4π) conditions

³ Calculated maximum SPL based on rated power handling

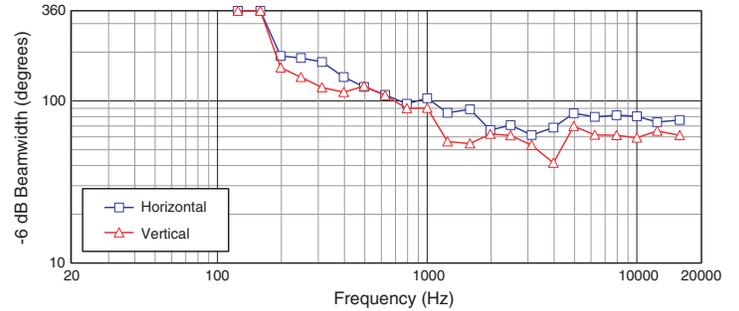
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▶ VPX715 15" High-Power Two-way Speaker

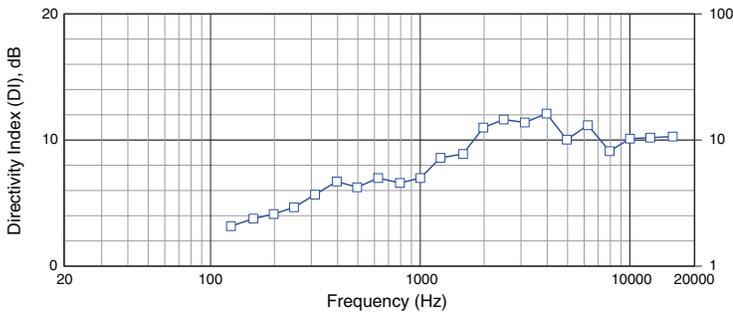
Frequency Response:



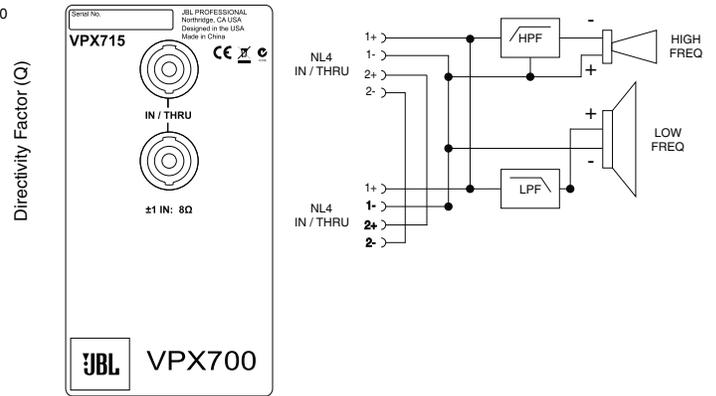
Beamwidth:



Directivity Index:

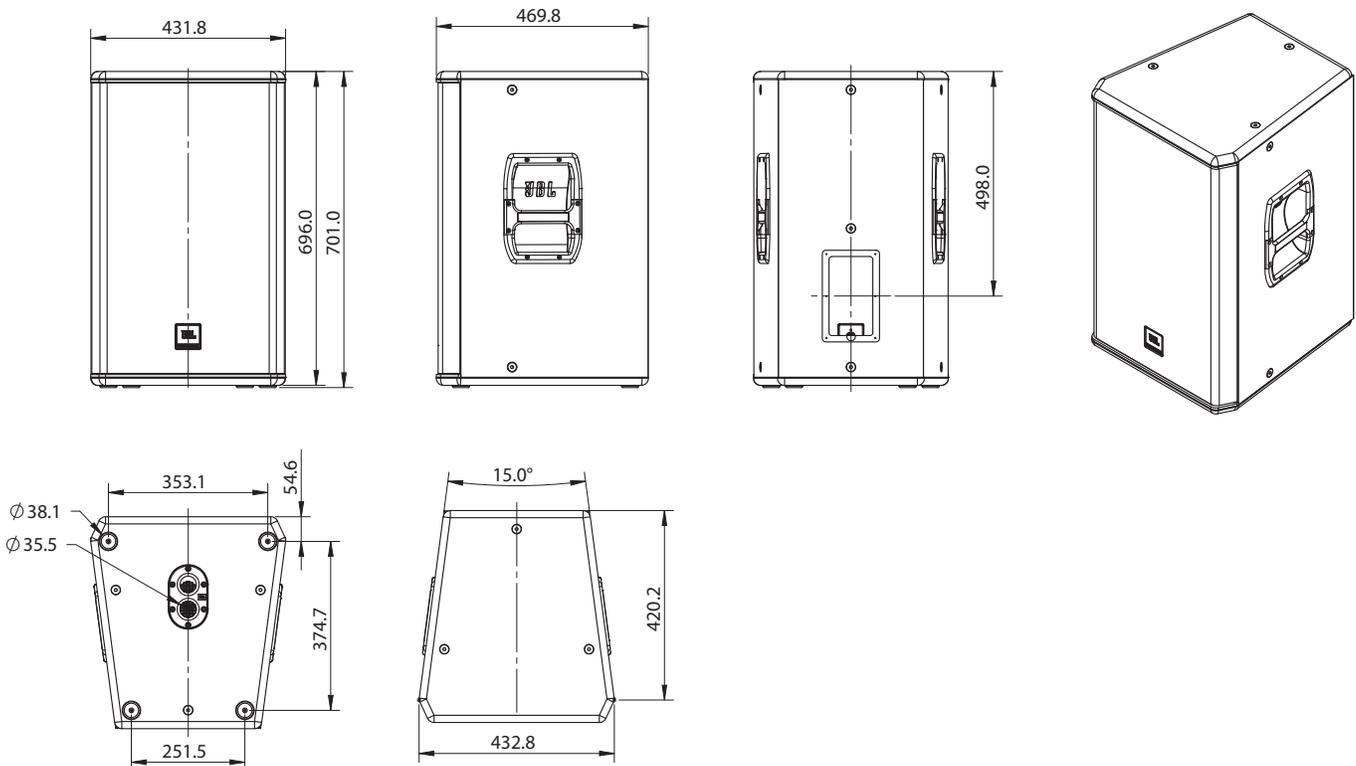


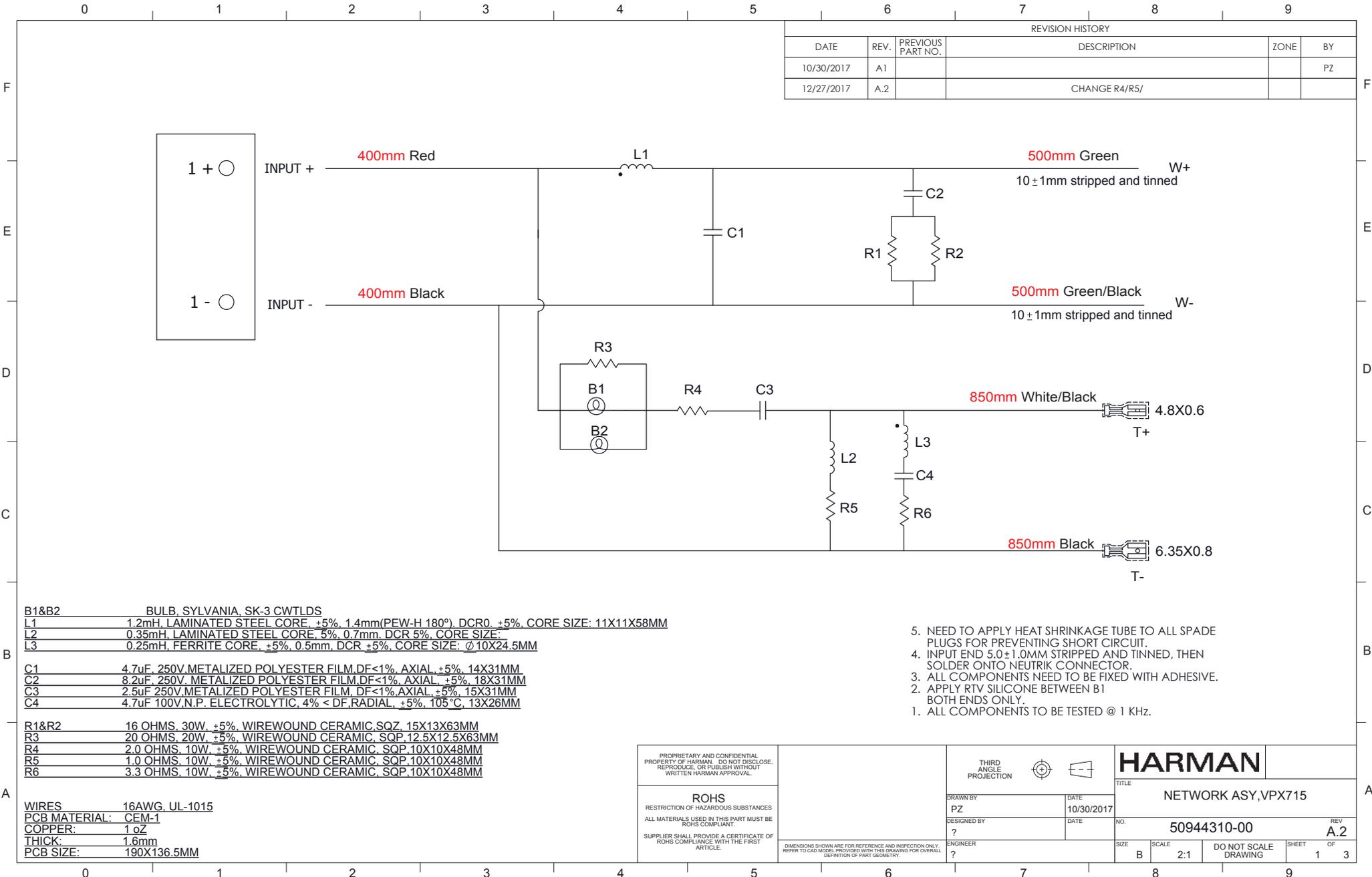
Block Diagram:



Dimensions:

Dimensions in mm





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