

PXH95

2-Way Horn-Loaded Mid/High Speaker



- Point source, long throw performance
- 12" / 1.4" horn loaded coaxial design
- Perfect rotatable 90° x 50° directivity
- Low distortion, very high SPL
- Extremely smooth and natural response

OVERVIEW

The NEXT PXH95 was engineered to be a powerful medium/longthrow mid/high-frequency cabinet in a coaxial configuration, covering the frequency range from 150 Hz to 19 kHz.

To obtain the highest possible on-axis sound pressure levels and clear and intelligible sound reproduction over long distances, the PXH95 mid/high unit is entirely horn-loaded. The coaxial arrangement of the High Frequency CD horn and the Mid Frequency 12" speaker (also horn-loaded) creates a precise coverage pattern of 90°H x 50°V over a frequency range from 400 Hz–17kHz, ensuring equal sound within the coverage area.

The HF range from 1.150 kHz upwards is reproduced by a Neodymium 1.4" driver with a 3" voice coil and a Constant Q horn, whilst coverage in the mid-range from 150 Hz to 1.25 kHz is provided by a low power compression 12" driver loaded by a midrange horn.

Wider coverage can be achieved using multiple tops, laterally stacked or flown. The PXH95 cabinet must be rotated (90°) to maintain at minimum the comb-filter effects. A Tilt Unit (available as an option) permits the cabinet to be angled in 5° increments up to a maximum of 15°; as a result, the upper cabinet can be aimed directly at the audience area even when the system is ground stacked. Optional Aeroquip tracks enable the cabinet to be flown.

TECHNICAL SPECIFICATIONS

Technical Data	
Speaker Type:	Coaxial Horn-Loaded Mid/High Speaker
Acoustical Data	
Frequency Response (-6dB):	136Hz - 18000Hz
Low Frequency Extension (-10dB):	130Hz
Sensitivity (1W@1m) MF:	103dB (Full-Space)
Sensitivity (1W@1m) HF:	110dB (Full-Space)
Calculated Max. SPL (Cont/Peak):	132dB/138dB
Calculated Max. SPL (Cont/Peak) MF:	132dB/138dB (Full-Space)
Calculated Max. SPL (Cont/Peak) HF:	132dB/138dB (Full-Space)
Coverage Angle -6dB (HxV):	90° x 50° Rotatable
Drivers	
Mid Frequency:	1 x 12" (300mm)/3" (76mm) VC, Neodymium, B&C custom speaker
High Frequency:	1 x 1.4" (36mm) exit/2.5" (65mm) VC, B&C custom compression driver
Electrical Data	
Program Power/Peak MF:	800W/1600W
Program/Peak Power HF:	160W/320W
Nominal Impedance MF:	8
Nominal Impedance HF:	16
Recommended Amplifier:	PXA8001 (Dedicated power rack)
Connectors:	2 x Neutrik NL8 parallel wired
Enclosure	
Construction:	15mm multi-laminate birch ply
Finish:	Textured black semi-matte coating
Protective grill:	Black perforated steel
Fittings:	16 x M8 threaded inserts for optional wheel kit, 48 x M8 threaded inserts for optional rigging/tilting systems
Handles:	1 on each side
Dimensions (WxHxD):	616 x 612 x 641mm
Net Weight:	43.3 kg