

# PXH64

## 2-Way Horn-Loaded Mid/High Speaker



- Point source, long throw performance
- 12" / 1.4" horn loaded coaxial design
- Perfect rotatable 60° x 40° directivity
- Low distortion, very high SPL
- Extremely smooth and natural response

### OVERVIEW

The NEXT PXH64 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 PXH64 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 60°H x 40°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 PXH64 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):	60° x 40° 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