

NXL44-A

ACTIVE TWO-WAY ARRAY

With the NXL44-A, RCF has provided a unique and powerful two-way line source, with the sound delivered from three 10" neodymium woofers and a 1.4" driver with 3" voice coil on a asymmetrical waveguide. All are perfectly tuned to deliver remarkably uniform coverage and an extended frequency range. Precision controlled by an on-board DSP and driven by a two-channel digital amp, the NXL44-A delivers very natural sounding response and high SPL for professional live sound reinforcement. The horn's design is asymmetrical so it projects sound energy with great accuracy, thereby avoiding undesired reflections. The enclosure always remains vertical - it does not have to be tilted or aimed in any way that would adversely affect its stability.

p.n. 130.00.479 (230 V)

p.n. 130.00.480 (115 V)

■ Portable PA

■ Live sound

■ Performance venues



COMPRESION DRIVER

The NXL 44-A driver is a high performance 3-inch diaphragm with a 1.4-inch exit throat featuring the smallest size of the art technology. The diaphragm is precision formed from pure titanium. The voice coil assembly is designed for high temperature and it is joined to the diaphragm by RCF proprietary Direct Drive technology. Thanks to the large format compression driver on a wave-guide, the NX L44-A offers superior intelligibility over distance.

- Digital bi-amped amplifier with 1400 Watt peak power
- 90° x 30° directivity (+5°, -25°)
- 3 x 10" neodymium woofer
- 1.4" compression driver, 3.0" voice coil with a waveguide
- DSP Processing with optimized phase response
- Scalable
- Easy to fly and install with built-in rigging points

NXL44-A ADVANTAGES:

- Sleek low-profile design
- True line source with extended reach
- Asymmetrical horn for optimized coverage
- Much greater intelligibility than spherical sources
- Far more uniform SPL across the audience area



WAVEGUIDE DESIGN

At the core of NXL44-A design is the new ND 840 compression driver loaded from a waveguide to a constant directivity 90° x 30° horn.



The ND 840 large format compression driver is one of the key advantages of the NXL 44-A, the 3.0" voice coil allows a crossover point of 800Hz and therefore almost all of the vocal range can be produced by this driver. This allows better coverage and dispersion control, and superior efficiency.





■ Rental

■ Live Clubs

■ House of worship

WOOFERS

The NXL44-A woofers are 10" neodymium mid-basses with an excellent linearity, good efficiency and high power handling capabilities. The 2.5" voice coil combined with a high strength fiberglass former allows high efficiency and good frequency response extension. The M-roll surround shape and combined spider design offer good linear displacement and precise low frequency reproduction.

This HF horn design allows two NXL44-A to be cascaded to create a stacked array. This provides excellent control over directivity even in challenging acoustical surroundings and markedly increases the range. With convenient additions such as fixed points for rigging hardware, the NXL44-A is not only easy to handle, but also to fly and install.

MAXIMUM EFFICIENCY

The NXL44-A is a true active high power ready to use two-way array system. Equipped with a high efficiency digital amplifier, that delivers superior SPL, while reducing energy requirements. The integrated processing and the cabling reduction will make the set-up faster and easier and, thanks to its compact size, the space requirement is reduced to the minimum.

HIGH PERFORMANCE

The advanced technology of RCF's powered line arrays has been delighting audiences and users for many years. Paired with state-of-the-art DSP-driven controllers and digital power amps, these systems raise the bar for reliability and performance

