



NX

Passive Series

NX600

Overview

The NX600 is the first 15-inch and horn molded loudspeaker from Yorkville Sound. This 1000-watt (Program) passive box is using a new injection molded technology and features a first for composite loudspeakers, a rotatable 80° x 50° horn patterned after the custom ABS waveguide horn used in our popular élite loudspeaker line.

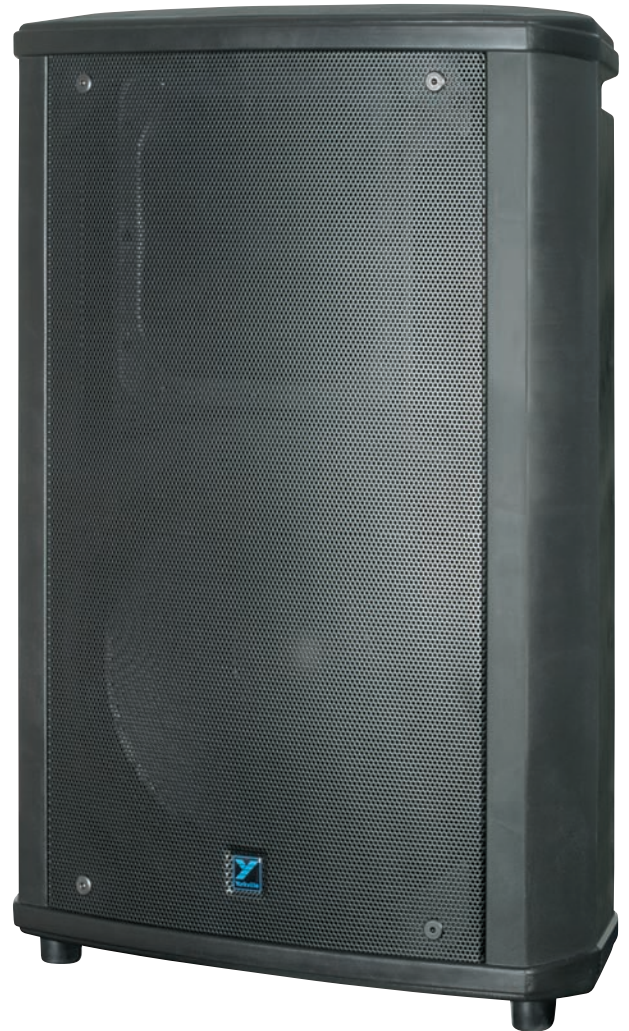
The unique trapezoidal shape employed on the NX600 allows the cabinet to be used as a monitor or front-of-house loudspeaker and makes it ideal for mounting in tight arrays, or in multiple cabinet clusters. The NX600 handles 2000 watt peaks with its high efficiency 15-inch woofer and 1.5-inch polyester high frequency driver.

The NX600 uses the same proven PTC™ (Positive Temperature Coefficient) protection on the high frequency compression driver. PTC™ is an ingenious current sensing / self-resetting breaker that offers some serious advantages over current protection schemes used in many loudspeaker cabinets. This protection scheme, while always present in the signal path, remains inaudible until it becomes necessary for it to react. It kicks in at a point where it effectively reduces output to the horn and protects that diaphragm from damage due to excessive power input or signal distortion. Unlike a breaker it does not require a physical reset to allow signal back to the horn driver, and unlike a bulb or fuse, does not need to be replaced if the circuit is tripped, and the fuse is blown.

Where PTC™ shines is in heavy feedback environments where most horn diaphragm damage occurs. In rare situations even where a microphone might be dropped in a monitor, the sustained 'squeal' can destroy diaphragms in seconds. PTC™ will significantly reduce output level to the horn to protect the diaphragm. When the situation has been rectified, and the feedback eliminated the horn will return to full operating level within half a second.

Features

- 2000 Watt Full Range Loudspeaker (1000 Watts Program)
- Ultra-light injection molded Polypropylene construction
- Dual purpose full range and wedge monitor format enclosure
- Ultra-clear reproduction throughout bandwidth
- Max SPL 122dB Peak (125dB Continuous)
- Ultra-high efficiency performance
(requires less power for more output)
- High quality 1.5-inch High Frequency drivers (1-inch throat)
- Next generation woofer / driver / horn technology
- Rotatable 80° x 50° horn
- Integrated flying hardware (3/8" threaded holes)
- Tough, full length metal grille
- Recessed Input panels
- PTC™ HF protection system
- Made in Canada



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Specifications

System Type	2-Way
Active or Passive	Passive
Program Power (Watts)	1000 Watts (2000 Watts Peak)
Biampable	No
Nominal Impedance (Ohms)	8
Sensitivity (dB @1Watt/1m)	98
Max SPL (dB)	131dB Peak (128dB Continuous)
Frequency Response (Hz +/- 3dB)	60 - 26k
Crossover Frequency (Hz)	1300
Driver Configuration	15-inch / 1.5-inch
HF Driver(s)	1.5-inch Polyester voicecoil (1-inch Throat)
HF Dispersion (°H x °V)	80 x 50 Rotatable
HF Protection	PTC™
LF Driver(s)	15-inch w/ 3-inch voicecoil
LF Impedance (Ohms)	8
Inputs - 1/4" Jacks	2
Inputs - Speakon 4-pin	2
Feet	Yes
Flying Hardware	1/4-20 x 5 - 2 (Top), 2 (Bottom), 1 (Pullback)
Optional Flying Hardware	NX Flyware / Eyebolts
Bar Handles	1 (Side)
Pole Mount Adapter (1 3/8"-3.5cm)	Yes
Enclosure Materials	Injection molded Polypropylene
Grille	Perforated Metal
Other Details	Side recesses for ease of lifting
Dimensions (DWH xbackW, inches)	15 x 22 x 32 x 9.5
Dimensions (DWH xbackW, cm)	38 x 56 x 84 x 24
Weight (lbs/kg)	48.5 / 22

Specifications subject to change without notice