

NX S21-A

ACTIVE HIGH POWER SUBWOOFER



The NX S21-A is a direct radiating, high output, self-powered subwoofer system that provides the fatter sounding output of a 21-inch driver, and works equally well for portable or install applications. It is engineered to complement full-range loudspeakers in a wide range of PA situations and in particular it performs well with NX Series loudspeakers to form deep sound reinforcement systems.

The NX S21-A cabinet houses a long-excursion 21-inch, 4,5" voice coil, neodymium driver in a tuned, vented cabinet.

The woofer is driven by a 1000 watts RCF Class-D digital power amplifier that features a protection limiter that prevents driver over-excursion and over-heating while assuring minimal power compression and maximum peak headroom.

The NX S21-A input incorporates a built-in crossover and accepts a full-range signal, allowing for simple daisy-chain signal distribution and eliminating the need for external crossovers. It provides also user selectable crossover frequency (80-120Hz) for the signal crossover output and phase reverse. The NX S21-A cabinet is constructed of multi-ply hardwood and coated with a textured, weather-resistant black finish.

The front grille is lined with an acoustically transparent foam to provide additional driver protection and for pleasing aesthetics.

APPLICATIONS

- Live sound
- Theatrical sound reinforcement
- Music playback and sound reinforcement in mid-size venues.
- Live performance systems and sound system rental.
- Portable PA, clubs, ballrooms, corporate AV, houses of worship

FEATURES

- 4.5" voice coil high power 21" neodymium woofer
- 1000W digital amplifier: lightweight and compact
- Large port area for reduced distortion
- Stereo professional XLR line and ¼" inputs (Combo) with loop through
- Powercon Input/Output
- Pole mount, stacking ready, wheels, aluminium side handles

ACOUSTICAL SPECIFICATIONS

Frequency response:	30 Hz- 120 Hz
Max SPL:	135 dB
Horizontal coverage angle:	-
Vertical coverage angle:	-
Compression driver:	-
Midrange:	-
Woofer:	21" neo, 114 mm voice coil

INPUT SECTION

Input connector:	stereo combo xlr-jack
Output connector:	stereo xlr
Input sensitivity:	-2 dBu / +4 dBu

PROCESSOR SECTION

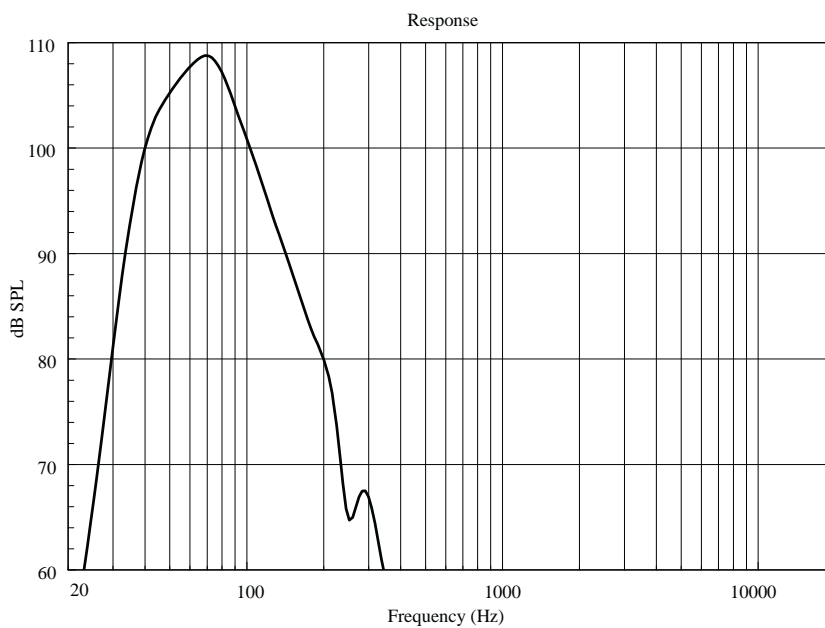
Crossover frequencies:	60 Hz/110 Hz
Protections:	thermal, rms
Limiter:	soft peak limiter
Controls:	volume, xover/link, frq. cut, phase

AMPLIFIER

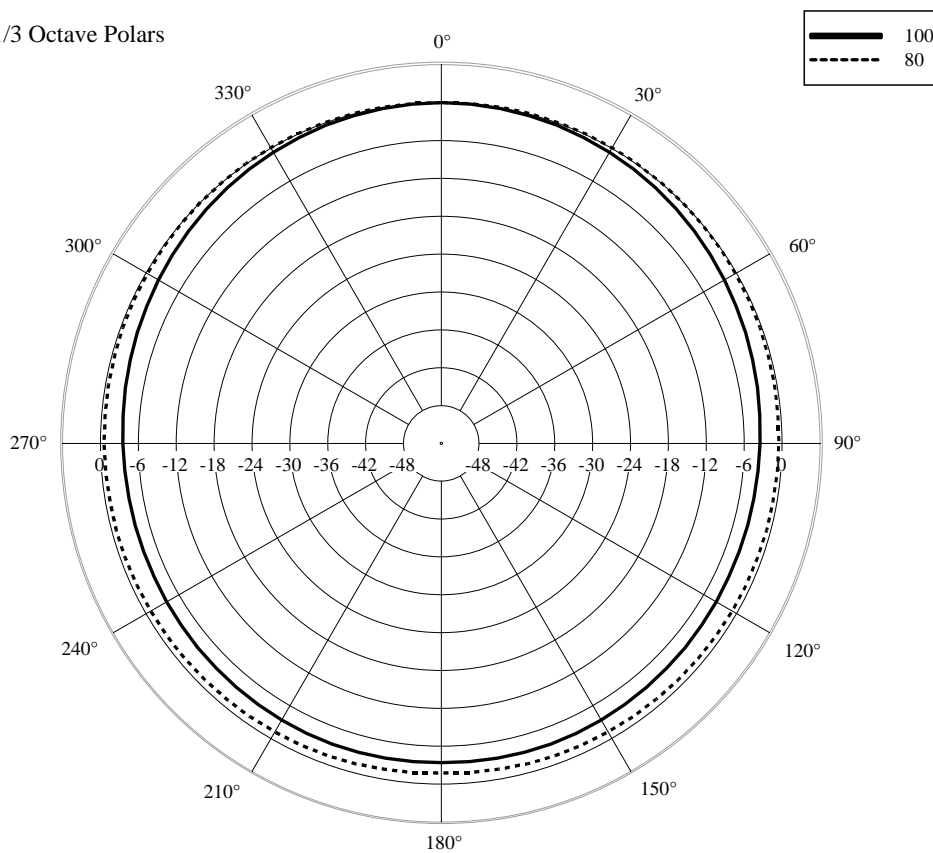
Power supply:	1000 Watt
High frequencies:	-
Mid frequencies:	-
Low frequencies:	1000 Watt
Cooling:	convection/forced
Connection:	powercon in/out

PHYSICAL

Height:	750 mm (29.52")
Width:	660 mm (25.98")
Depth:	700 mm (27.55")
Weight:	53.2 kg (117.28 lbs)
Cabinet:	baltic birch
Hardware:	stacking fittings
Handles:	4 side
Pole mount cap	yes
Colour:	Black



1/3 Octave Polars



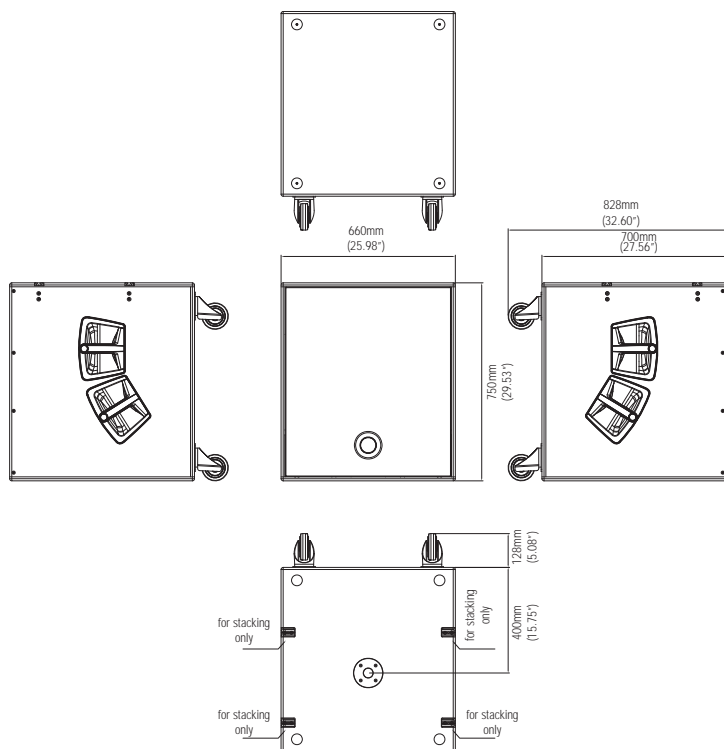
CSI PRODUCT SPECIFICATIONS FOR DESIGNERS, SPECIFIERS, AND CONSULTANTS
(ALSO KNOWN AS "A&E SPECIFICATIONS")

The following are "Part 2 Products" CSI-type specifications.
It is assumed that "Part 1 General – Administrative and Procedures" and "Part 3 Execution – Installation and Maintenance" are part of an overall audio system or project specification.

PART 2 PRODUCTS

2.01 Approved Manufacturer/Product

A. RCF, Via Raffaello 13, 42124, Reggio Emilia, Italy.
B. Model number: NX S21-A



2.02 Design

Configuration:	Two way active speaker
LF Sub-section:	21" neodymium woofer, 114 mm voice coil
MR Sub-section:	-
HF Sub-section:	-

2.03 Acoustical Proprieties

Nominal dispersion angle:	-
Axial frequency range:	30Hz-120Hz

2.04 Physical Properties

Cabinet:	Baltic birch
Rigging inserts:	Stacking fittings
Color:	Black
Grille:	Custom perforated steel grille with open-cell poly fiber backing
Input Connectors:	Stereo combo xlr-jack
Dimensions (H x W x D):	750 x 660 x 700 mm (29.52" x 25.98" x 27.55")
Weight:	53.2 kg (117.28 lbs.)

2.05 Accessories

AC PRO-PM	Steel pole mount accessory for a satellite speaker on a subwoofer, tube diametro 35 mm. Load capacity up to 35Kg, Weight 2.4 Kg, H MIN/MAX 95cm/137cm
AC PRO-LF	Steel professional adapter sleeve for loudspeaker floor stand, tube diametro 35 mm. Load capacity up to 50Kg, Weight 0.7 Kg, H 27.5 cm
AC PMA	Speaker pole mount
STACK BAR NX L23-A	Accessory for NX L23-A for stacking option on sub NX S21-A, NX S25-A
AC WK-FX	Kit N° 4 fixed castor 80mm / 3" dia black wheel with roller bearings. Carrying weight per wheel 60Kg / 130lb
AC WK-SW	Kit N° 4 swivel castor 80mm / 3" dia black wheel with roller bearings. Carrying weight per wheel 60Kg / 130lb