

SUB 8004-AS

ACTIVE SUBWOOFER



DESCRIPTION

The SUB 8004-AS is one of the most powerful 18" subwoofers in pro-sound category.

Featuring a high power, hypervented 18" woofer, with 4" inside/outside voice coils, this cabinet is designed to deliver a serious amount of low frequency. It is a direct radiating, high output, large-format sub woofer system proven in complementing high efficiency, full-range loudspeakers.

SUB 8004-AS has been designed to extract the greatest efficiency from every part of the system, resulting in an effortless reproduction of low frequency transient response. As a self-powered system, the transducers, amplification and DSP control electronics of the SUB 8004-AS are designed to optimize performance and maximize its power.

The SUB 8004-AS 's efficiently tuned cabinet houses two RCF Precision back-vented, long-excursion, new high power 18" inch cone drivers, providing a fast and controlled reproduction of the bass frequency range. Featuring a 4" inside/outside voice coil to minimize power compression and extend the life of this product.

The drivers have also been engineered for extreme efficiency, using high-gauss ferrite magnets for the most powerful magnetic field strength. High magnetic field strength increases the driver's sensitivity, which yields greater output, while keeping heat dissipation requirements within operational tolerances.

Powered by a 1250W digital amplifier module, the SUB 8004-AS can perform in the most demanding situations. The input board includes volume control, deep/punch switch, high pass switch, phase switch, cardioid, time delay.

An easy to reach delay knob on the back allows to set the overall delay of the speaker, in meters, according to its application. 3 status LEDs – Power / Signal / Status are provided for monitoring the system

The amplifier features a solid mechanical aluminium structure which not only stabilize the amplifier during transportation but also assist in the heat dissipation and, with DSP control electronics and power supply, is integrated into a single, field-replaceable module mounted in the rear of the cabinet.

The cabinet is constructed of multi-ply hardwood and coated with a textured black finish. Integral metal grilles lined with acoustical black mesh protect the cone drivers. Integrated mechanics are for multiple configuration with HDL 20-A.

MAIN APPLICATIONS

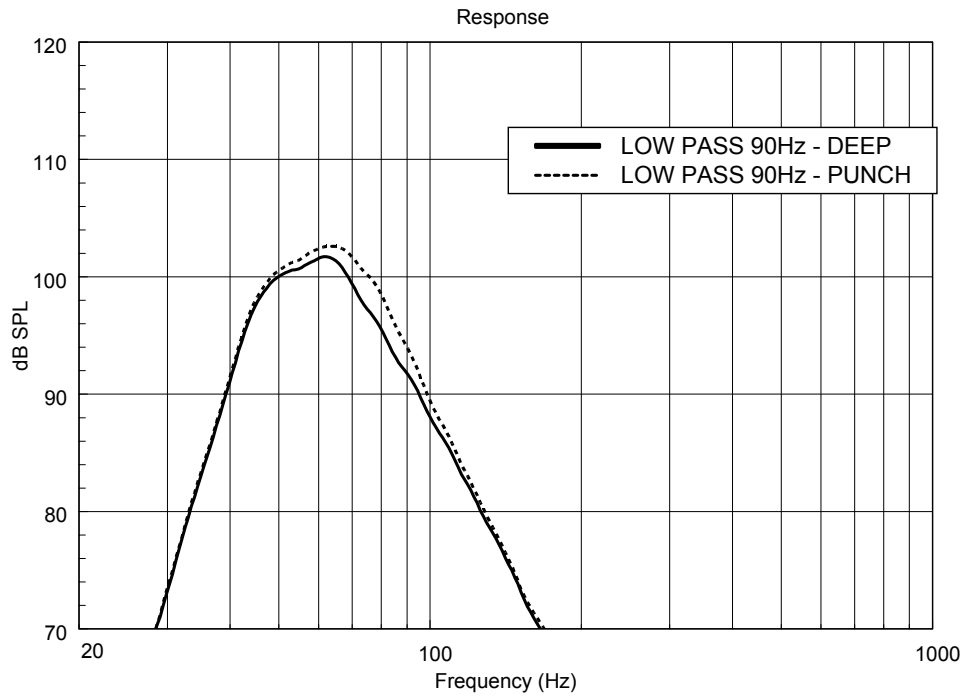
- Live sound
- Rental
- Portable PA, clubs, ballrooms, live theatre
- House of worship
- Theme parks
- Music playback and sound reinforcement in small and mid-size venues
- Corporate A/V professionals and sound system hire companies

MAIN FEATURES

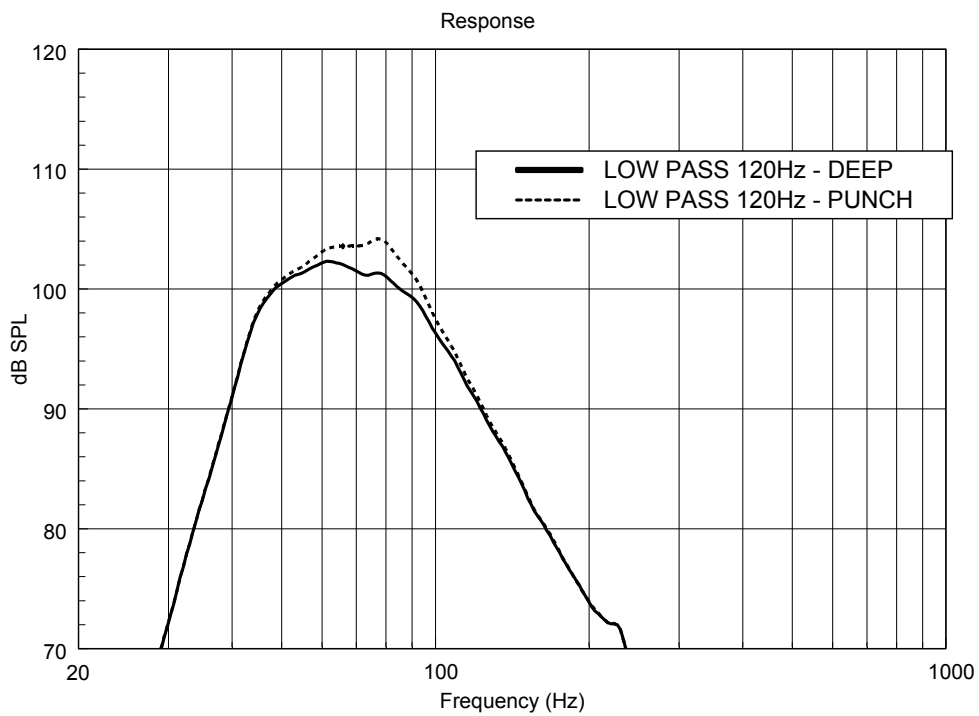
- 2500 Watt Peak, 1250 Wat RMS
- 136 dB max SPL
- 30 Hz - 120 Hz frequency response
- 18" Woofer, 4.0" voice coil vented woofer
- DSP controlled Input section with selectable presets
- Delay control
- Baltic birch tour grade cabinet
- Compatible with NXL23-A (stacking)
- Compatible with NXL24-A (stacking)
- Multiple configurations with HDL 10-A and HDL 20-A



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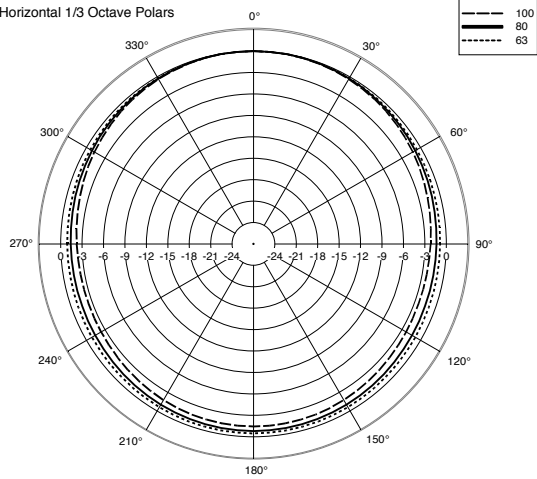


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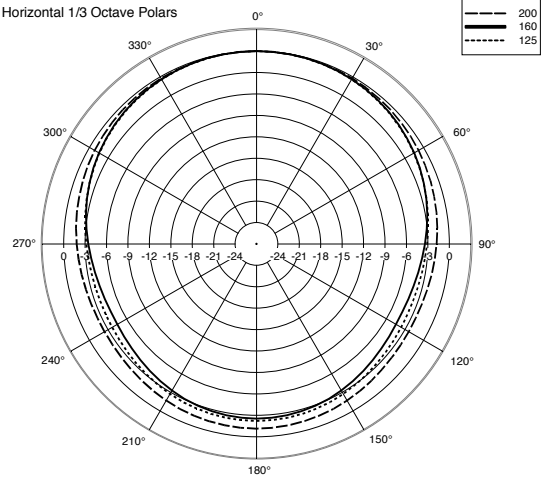


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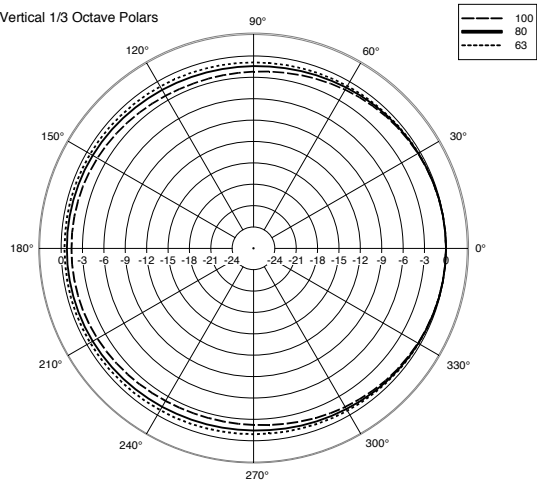
Horizontal 1/3 Octave Polars



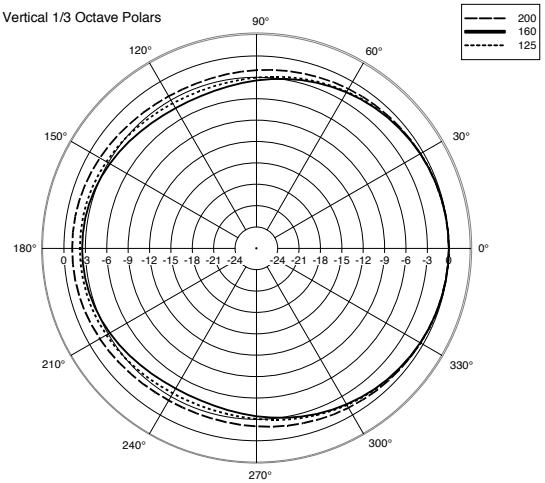
Horizontal 1/3 Octave Polars



Vertical 1/3 Octave Polars



Vertical 1/3 Octave Polars



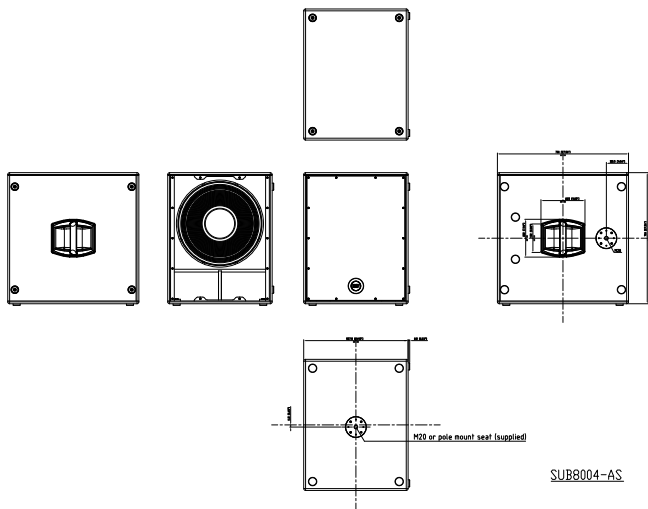
SUB 8004-AS

PART NUMBERS

13000392 - 230V

13000393 - 115V

DIMENSIONS (All data are in mm)



ACOUSTICAL SPECIFICATIONS

Frequency response:	30 Hz - 120 Hz frequency response
Max SPL:	136 dB
Horizontal coverage angle:	-
Vertical coverage angle:	-
Compression driver:	-
Midrange:	-
Woofers:	18", 4.0" v.c.

INPUT SECTION

Input signal (Impedance):	bal/unbal
Input/Output connector:	XLR
Input sensitivity:	-2 dBu / +4 dBu

PROCESSOR SECTION

Crossover frequencies:	-
Protections:	Themel - RMS
Sensitivity control:	yes
Limiter:	soft limiter
High pass:	yes
Controls:	Xover, Phase switch, Deep/Punch, Output Delay Settings, Cardioid

ACCESSORIES

AC PRO-LF	Steel professional adapter sleeve for speaker floor stand, tube diameter 35 mm. Load capacity up to 50Kg, Weight 0.7 Kg, H 27.5 cm
AC PRO-PM	Steel pole mount accessory for a satellite speaker on a subwoofer, tube diameter 35 mm. Load capacity up to 35Kg, Weight 2.4 Kg, H MIN/MAX 95cm/137cm
AC PMA	Speaker pole mount
AC PMX	Speaker pole mount with pushbutton system and hand crank avoid uncontrolled reverse motion locking screw provides additional safety.
AC PRO WHEELS	Kit no 4 fixed castor 80mm/3" dia black wheel with roller bearings
AC CONNECTION SUB 8006-AS	Accessory to lock FLY BAR HDL 10-18 to the SUB 8004-AS. M20 fixing point.

AMPLIFIER

Power supply:	2500 Watt
High frequencies:	-
Mid frequencies:	-
Low frequencies:	switching / 2500 Watt
Cooling:	Convection
Connection:	Powercon in/out

PHYSICAL

Height:	700 mm (22.56")
Width:	557.5 mm (21.95")
Depth:	700 mm (27.56")
Weight:	51.0 kg (112.20 lbs)
Cabinet:	baltic birch
Hardware:	-
Handles:	4 side
Pole mount cap	yes
Colour:	Black