



XP500

PROFESSIONAL LOUDSPEAKERS TWO-WAY, BI-AMPABLE TRAPEZOIDAL LOUDSPEAKER WITH 90° X 40° HF HORN

SPECIFICATIONS (See notes 1 and 2)

Loudspeaker Type: 2-way, full-range, bass ported
Operating Range: 50 Hz - 18 kHz
70 Hz - 15 kHz (+/-3.5dB)

Power Handling:
400W continuous, 1000W program
40 volts RMS, 89 volts momentary peak

Recommended Power Amp:
For maximum SPL: 800W to 1200W @ 4 Ohms

Sensitivity 1W/1m:
96 dB SPL (63 Hz - 12.5 kHz 1/3 octave bands)
97 dB SPL (250 Hz - 4 kHz speech range)

Maximum Inputs (biamp):
LF (same as for passive mode)
HF: 50W continuous, 125W PGM @ 4 Ohms

Maximum Output: 123 dB SPL / 130 dB SPL (peak)

Nominal Impedance (passive): 4 Ohms

Min Impedance: 3.3 Ohms @ 11kHz

Nominal -6dB Dispersion:
90° H (+0° / - 43°)(1kHz - 12.5kHz)
40° V (+56° / -15°)(1kHz - 12.5kHz)

Axial Q / DI: 15.3/11.9, 1 kHz - 12.5kHz

Crossover Frequency: 2 kHz

Recommended Signal Processing: 40 Hz high pass filter

Drivers:
LF (1) 15"
HF (1) 1" exit, non-metallic diaphragm, Ferrofluid-cooled

Driver Protection: IntelliSense™
Dual 3 color PowerMeter™ LEDs

Input Connection: (2) Locking connectors
(compatible with Speakon™ NL4)
(2) 1/4" jacks

Controls: HF presence switch
Bi-amp/Full-range switch

Enclosure: Black carpeted 3/4" Luaun-core plywood

Enclosure Hardware:
(2) Steel recessed bar-handles
(8) Interlocking corner protectors

Mounting / Rigging Provisions:
(3) 5/16-18 suspension strap attachment points
(1) 1-3/8" metal stand socket

Grille: 16 gauge perforated steel, black powder coated

Required Accessories: None

Supplied Accessories: None

Optional Accessories:
Strapkit: 3 steel straps for suspending

Dimensions (including corner protectors)

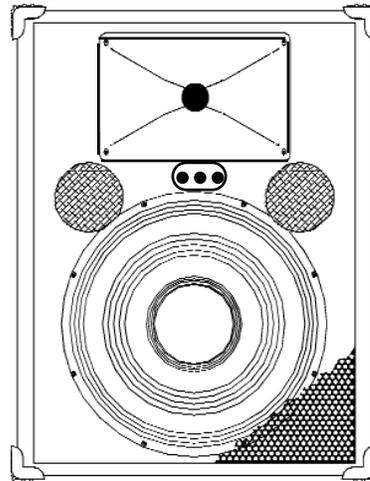
Height: 26.9" / 684 mm
Width (front): 20.3" / 515 mm
Width (rear): 13.7" / 347 mm
Depth: 18.2" / 463 mm

Weight: 50 lb. / 22.7 kg

Shipping Weight: 59 lb. / 26.8 kg

1. Sensitivity: Free field pink noise measurement at 40 feet (12.2m) at 28% power; extrapolated to 1 meter and an input voltage of 2 volts RMS.

2. Watts: All wattage figures are calculated using the rated nominal impedance.



APPLICATIONS:

- Sound Reinforcement / Portable PA
- Clubs / DJ
- Houses of Worship
- Sport Facilities & Health Clubs
- Rental Systems

FEATURES:

- 1" Exit Proprietary, Ferrofluid-cooled UC1 HF Driver Non-metallic Diaphragm
- 3 Color PowerMeter™ LEDs
- IntelliSense™ Three Stage Solid State Protection Circuitry with Front/Rear Indicators
- Steel Bar-Handles and Input Panel
- Black Carpeted Exterior
- Switchable High Frequency Boost and Cut Switch
- Full-range/Biamp Operation

DESCRIPTION

The XP500 is a versatile 2-way, bi-ampable, full-range bass reflex loudspeaker system engineered for multiple uses in club and performance public address. Availability of both captive rigging points and a stand adapter allows this system to be used effectively in both portable and installed situations. The XP500 features improved IntelliSense™ protective circuitry with front and rear panel mounted 3 color PowerMeter™ LEDs. The LEDs flash green to indicate signal presence, yellow to warn that the loudspeaker is entering its first stages of protection and red to show that full protection has been activated. Within protection mode, IntelliSense automatically attenuates speaker levels to within a safe operating range. Once volume has been reduced, the circuit resets itself, restoring full power and operation to the speaker. The black carpeted enclosure and black perforated steel grille present an attractive and rugged package. Five year warranty.

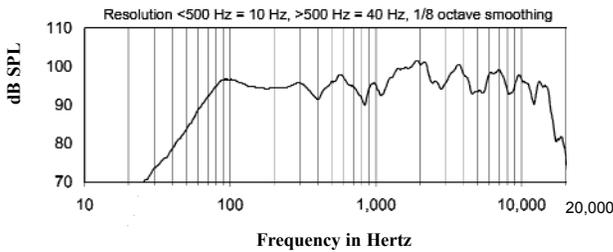
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COMMUNITY PROFESSIONAL LOUDSPEAKERS

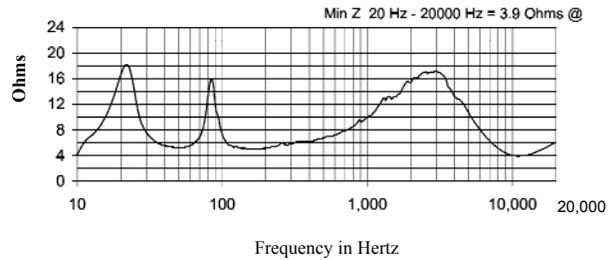
333 East 5th Street, Chester, PA USA 19013-4511 TEL (610) 876-3400 FAX (610) 874-0190

www.loudspeakers.net

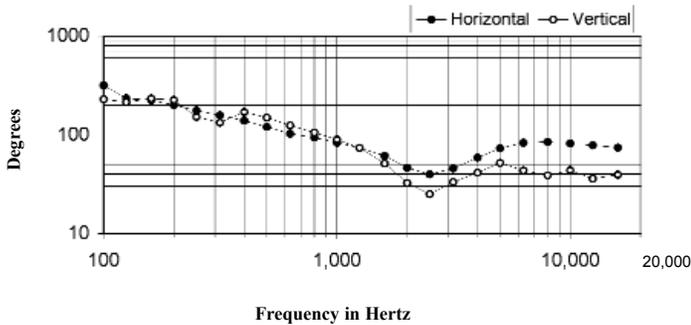
Frequency Response



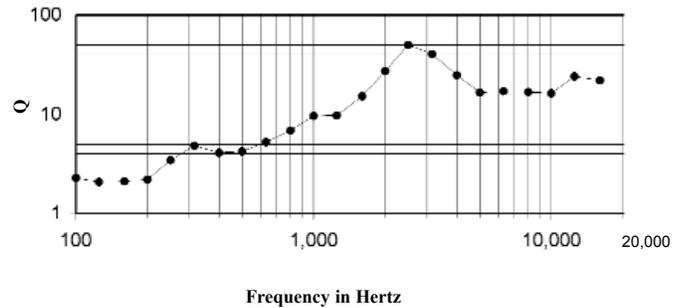
Impedance



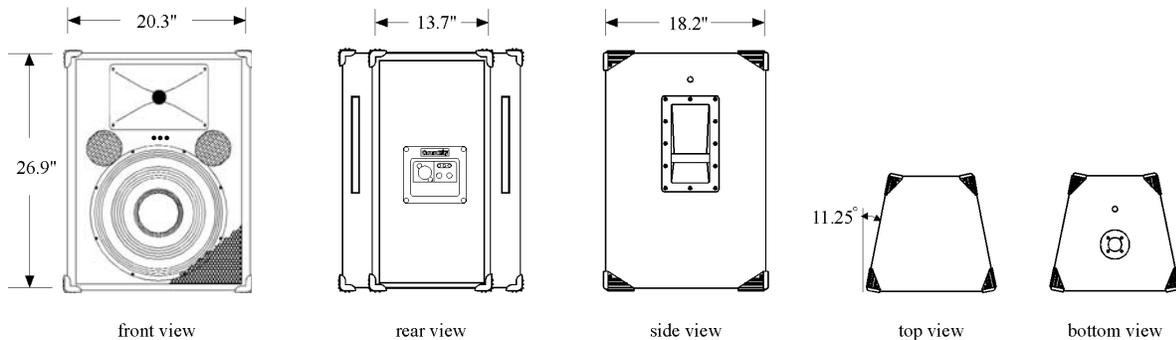
Beamwidth



Axial Q



DIMENSIONS



ARCHITECTS AND ENGINEERS SPECIFICATIONS

The loudspeaker system shall be a two-way, bi-ampable, full-range bass reflex trapezoidal design with one 15" woofer and one 1" exit HF driver with a non-metallic diaphragm mounted to a 90°H x 40°V molded horn. Drivers shall be connected to an integral crossover with a crossover frequency of 2 kHz and integral three stage protection circuitry. There shall be two locking connectors and two 1/4" phone jack connectors. The loudspeaker enclosure shall be black carpeted 3/4"plywood with a 16 gauge perforated steel grille. The system shall have an amplitude response of 70 Hz to 15 kHz (+/- 3.5 dB), input capability of 40V RMS, 96 dB sensitivity at one meter and 2 V/4 ohms nominal impedance. The nominal dispersion shall be 90°H x 40°V from 1 kHz to 16 kHz. The loudspeaker shall be 26.9" (684 mm) H x 20.3" (515 mm) W (front) x 13.7" (347 mm) W (rear) x 18.2" (463 mm) D and weigh 50 lbs (22.7 kg).