



Pro-Ax Series Model PX-18



Description

The OAP Audio PX-18 is a flyable trapezoid low frequency system with an 18" vented woofer. The PX-18 is designed to be used as the sub-woofer section of a four-way system when used with the PX-1060 or PX-1090 mid-high cabinet and the PX-15 low frequency cabinet or with the PX-1560 or PX-1590 three-way full range cabinet. It may also be used with other OAP Audio speakers when a flyable sub-woofer is needed. The PX-18's standard color is black texture with gray, white, and unfinished also available.

Flying Operation

WARNING!!! Rigging and flying of the PX-18 should be done by persons familiar with standard rigging practices. If you are not familiar with these practices, please consult the factory, your dealer, the local stage hands union or a rigging supply company in your area.

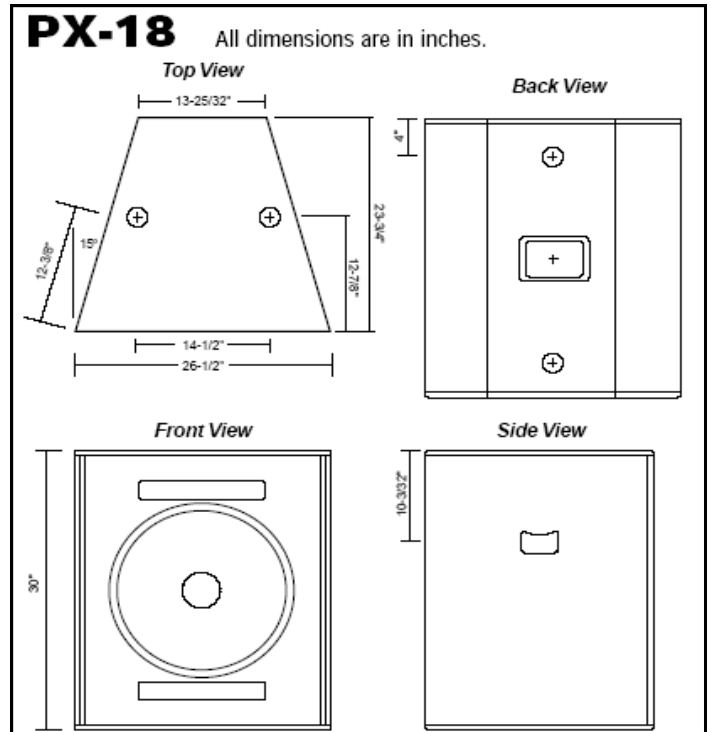
Two rigging points are available on the top, as well as two on the bottom. These rigging points consist of a 16-gauge steel plate fastened to the top and bottom panels. These panels are then tied together with 1/4" threaded rod via the steel plates. This type construction eliminates any load bearing from the wooden enclosure and makes safe the flying of multiple PX-18s in vertical arrays. In addition, there are two non-load bearing points on the rear of the enclosure for vertical tilt, when needed. There are two 1/4" 28-thread inserts fitted into the steel plates. This allows these rigging points to be used with the optional flying hardware kit (FHK). Each FHK consists of one flying hardware plate (FHP) with two screws to secure it to the steel plate, and one flying hardware tie-down (FHT). The FHT simply slides and locks into the FHP and is held in place by a spring load. The FHT has a round ring with an internal diameter of 1.12 inches, allowing it to be used with standard rigging hardware. An additional non-reinforced rigging point is available on the rear of the enclosure when raking is needed. You must use a minimum of two FHKs to fly the PX-18. If single enclosures are being suspended, you can substitute a 1/4" x 28-thread drop forged I-bolt (FIB) for the FHK. These are available through your OAP Audio dealer.

Warranty

OAP Audio Pro Ax Series loudspeakers are guaranteed against failure due to workmanship and materials for a period of five (5) years from date of purchase and is limited to original purchaser. If such failure does occur, unit will be replaced or repaired (at the discretion of OAP Audio) without charge for labor or materials. Unit must be delivered to OAP Audio or one of it's authorized service facilities prepaid. In warranty items will be returned prepaid. Items not covered by warranty includes finish or appearance items, burned coils, or failure due to operation under other than specified conditions. This warranty also does not include any incidental or consequential damages. Repair by other than OAP Audio or an authorized service facility will void this guarantee.

Architectural Specifications

The loudspeaker shall be trapezoid in shape (15° taper). The loudspeaker shall incorporate an 18" woofer to cover the low-frequency range from 45 Hz to 200 Hz. The enclosure shall be constructed of 3/4" birch plywood, stiffened internally. All exposed corners shall be rounded for damage resistance. All handles and hardware shall be recessed or integral to the enclosure. Six rigging points shall be provided and fitted with 1/4" 28-thread inserts to be used with aircraft type rigging fittings. The top and bottom shall be reinforced with 16-gauge steel plates and connected together with 1/4" threaded rod to facilitate rigging one enclosure to another.



The usable frequency response of the system shall be from 45 Hz to 200 Hz. Axial sensitivity of the loudspeaker shall be 96.75 dB, 1 watt at 1 meter. The loudspeaker shall be the OAP Audio PX-18. NOTE: As a research and development corporation, OAP Audio reserves the right to change specifications to improve performance.

Specifications

Frequency Response	45 Hz to 200 Hz +3 -6 db
18" Device	18" cast frame, 4" edgewound VC, vented pole piece and kevlar impregnated cone. 96 oz. magnet.
Sensitivity	96.75 db 1 watt @ 1 meter
Power Handling	1200 watts continuous program power. 8 ohm. impedance
Dimensions	26.5" W x 30" H x 23.75" D
Weight	114 lbs.
Trapezoid Taper	15°
Flypoints	Six: 2 on top and 2 on bottom tied together with 1/4" threaded rod. 2 on back non-load bearing
Color	Black texture is standard with white and unfinished optional
Grill	Textile-type grill standard in black, white, pumice, or wheat colors. Black epoxy 16 gauge steel perforated optional.

Rev. E (05/13)