

## Applications

### PH-220 HIGH FREQUENCY HORN

The P Audio PH-220 is a fully rotatable, medium format high frequency horn. Because the horn mouth is square, the horn may be rotated to optimize coverage based on the acoustic environment. The radiation pattern is a nominal 90 degree by 75 degree. The square horn mouth allows the pattern to be either a 90 degree horizontal by 75 degree vertical coverage pattern or a 75 degree horizontal by 90 degree vertical pattern. The mouth area is large enough to provide excellent acoustic loading to below 1000Hz.

The PH-220 features a 1 inch (25.4mm) throat diameter. The mounting configuration is bolt on style and is compatible with many of the P Audio PreNeo and BMD series professional compression drivers. The horn mouth dimensions allow the PH-220 to be used in a wide variety of professional applications such as two way and three way high level sound reinforcement systems as well as near field reinforcement designs. The PH-220 is also ideal for stage monitoring applications.

The PH-220 is a rugged die cast aluminum design and is coated in a non reflective black paint. Because the horn utilizes an industry standard 1 inch bolt on connection for the compression driver, the PH-220 may be used with a wide variety of competitive compression drivers as well. Good acoustic loading allow the horn to be used down to 1200Hz.

The PH-220 may be used with the following P.audio professional compression drivers. ( or any industry standard compatible driver )

- BM-D440
- BM-D450
- PreNeo-450N
- PA-DE34



## Specifications

Nominal Coverage Angle ( H° X V°) - 6 dB.	90° x 75°
Cut Off Frequency ( Hz.)	600 Hz
Throat Diameter	25.4 mm. (1")
Mounting Type	BOLT ON
Construction	CAST ALUMINIUM

### MOUNTING DIMENSIONS :

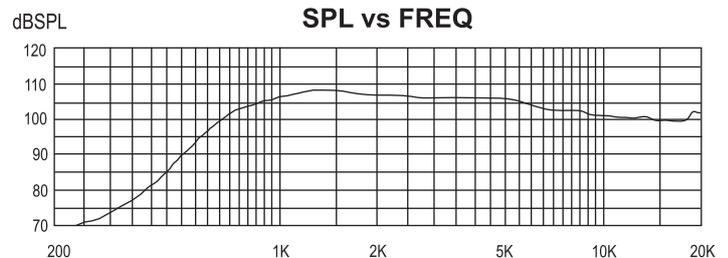
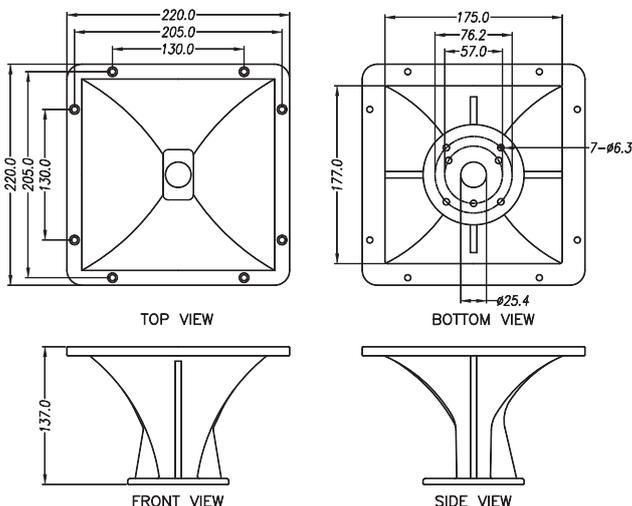
Rear Height :	175mm (6.88")
Rear Width :	175mm (6.88")

### OVERALL DIMENSIONS :

Mount Height :	220mm (8.66")
Mount Width :	220mm (8.66")
Length :	133mm (5.23")

### BAFFLE CUTOUT DIMENSIONS :

Height :	180mm (7.08")
Width :	180mm (7.08")
Net Weight :	1.3kg (2.86 lbs)
Shipping Weight :	1.4kg (3.08 lbs)
Packing Dimension :	235mm x 235mm x 160mm 9.25" x 9.25" x 6.20"



**Response of horn with BM-D440**

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