

Applications

PH-2735 HIGH FREQUENCY HORN

The P Audio PH 2735 is a 90 degree by 60 degree nominal high frequency horn that is an ideal choice for use in short to medium throw very high performance sound system designs. The rectangular mouth geometry allows the PH 2735 to be used in narrow profile enclosure designs and in high output monitor configurations. The flat front mouth geometry allows the horn to be used in a wide variety of enclosure profiles.

The PH 2735 features nominal included angles of 90 degrees by 60 degrees. These included angles are excellent when system designs require consistent pattern control and wide coverage. In typical applications the 90 degree included angle is used in the horizontal axis and the 60 degree included angle is used in the vertical axis.

The design features an industry standard 1" (25mm) diameter bolt on design that will accommodate all of the P Audio high performance 1" bolt on compression drivers and will also mate with a wide variety of industry standard bolt on 1" drivers. The BM-D series bolt on 1" drivers are an ideal match for the PH 2735. The suggested low frequency limit of the horn/driver combination is 1200Hz. Superior beamwidth control is exhibited, particularly in the horizontal axis, when the PH 2735 is used above 1800Hz. The extended bandwidth design allows the horn to be used in two way and three way professional sound reinforcement loudspeaker systems.

The PH 2735 is a high impact glass filled ABS design and is fully braced to provide both excellent structural support for the driver and superior mechanical damping. The PH 2735 is an excellent choice for both the P Audio BM-D and PreNeo series high output professional compression drivers that feature 1" bolt on exit geometries.

The PH-2735 may be used with the following P.audio professional compression drivers. (or any industry standard compatible driver)

- BM-D450
- BM-D440
- BM-D442
- BM-D446
- BM-D340
- BM-D26
- PreNeo 450N



Specifications

Nominal Coverage Angle (H° X V°) - 6 dB.	90° x 60°
Cut Off Frequency (Hz.)	500 Hz
Throat Diameter	25mm (1")
Mounting Type	BOLT-ON
Construction	Injected Polymer A.B.S with glass fiber filled Black Polycarbonate

MOUNTING DIMENSIONS :

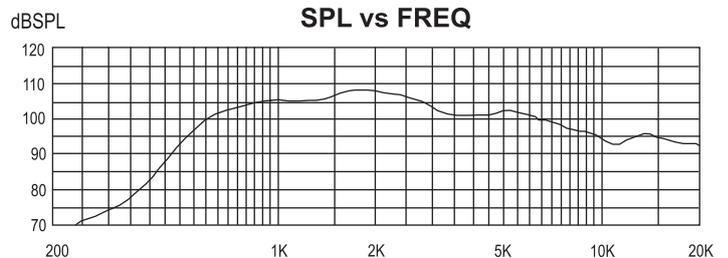
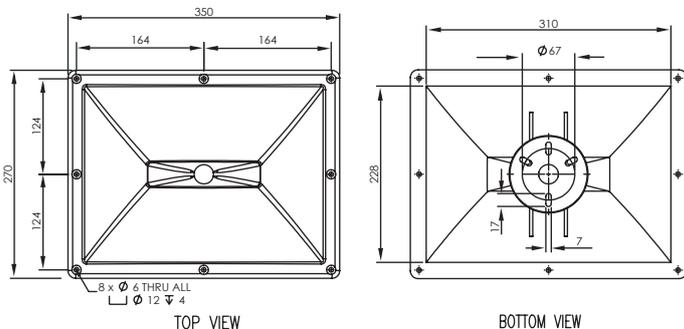
Rear Height :	227.8mm (8.97")
Rear Width :	310.0mm (12.2")

OVERALL DIMENSIONS :

Mount Height :	270mm (10.63")
Mount Width :	350mm (13.78")
Length :	200mm (7.87")

BAFFLE CUTOUT DIMENSIONS :

Height :	229mm (9.01")
Width :	312mm (12.28")
Net Weight :	1.3kg (2.86 lbs)
Shipping Weight :	1.8kg (3.96 lbs)
Packing Dimension :	285mm x 365mm x 235mm (11.22" x 14.37" x 9.25")



Response of horn with BM-D446

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