



*Precision***Power**

*Absolutely State of the Art Mobile Audio*

**2012 PHANTOM  
SUBWOOFERS**

**PH.10    PH.12    PH.15**

Thank you for choosing **PrecisionPower** woofers. Designed and engineered in the USA, this product combines innovative technology with the finest materials to consistently deliver Absolutely State of the Art performance, sound quality, reliability, and value. This **PrecisionPower** product reflects our commitment to offer you unparalleled performance and quality for years of dependable service and listening enjoyment.

## Features, Parameters, & Dimensions

**Non Pressed Paper Pulp Cone**  
**High Roll Foam Surround**  
**2.0" 4-layer VC on Aluminum Former**  
**Nickel Plated 8ga. Compression Terminals**

**Poly-Cotton Suspension Spiders**  
**Stamped Steel Frame**  
**Vented T-Yoke Back-plate**  
**Woven Fiber dust cap**

PH.10

PH.12

PH.15

	PH.10	PH.12	PH.15
IMPEDANCE	DUAL 2OHM	DUAL 2OHM	DUAL 2OHM
RE	2.2009	2.2655	2.2110
Fs (Hz)	39.12	33.17	25.17
QES	1.3808	1.5087	1.2924
QMS	6.7067	7.0376	3.7318
QTS	1.1451	1.2424	0.9559
LE (MH)	0.9689	0.9656	1.0144
DIAMETER	10INCH	12INCH	12INCH
SD	78.5398 IN <sup>2</sup>	113.0973 IN <sup>2</sup>	176.7146 IN <sup>2</sup>
VAS (L)	30.4636	64.8921	163.3262
BL	8.8105	9.1637	11.0581
SEN	82.9	83.7	84.7
RMS/MAX	720/1800	850/2000	1000/2200
CUTOUT DIAM	9.6INCH	11.6INCH	14.5INCH
MOUNTING DEPTH	5 5/8 INCH	6 INCH	6 7/8 INCH

## Enclosure Dimensions

Included in this manual are a number of different enclosure suggestions. These are by no means the only enclosures to use, but they provide a starting point to determine the correct enclosure for your needs many factors must be addressed (amount of power, vehicle, placement, crossovers, etc) Therefore, as always, **PrecisionPower** recommends that your subwoofer be installed by an authorized **Pre-*cisionPower*** dealer.

## Enclosure Construction

All enclosures should be made of .75" (3/4") material only. When possible, make the baffle 1.5" (1 1/2) thick and add .75" (3/4") to the depth of the enclosure to compensate. All volumes INCLUDE vent/port and subwoofer displacements. DO NOT change the volume unless you plan on adding a substantial amount of bracing. For added performance, applying a coat of fiberglass resin to the interior walls will greatly improve sealing the enclosure. Adding a thin layer of poly-fill will improve response by smoothing out reflections within the enclosure.

## Enclosure Recommendations

SEALED	PH.10	PH.12	PH.15
MIN	.75CU FT.	1.0CU FT.	1.5CU FT.
OPTIMUM	1.0CU FT.	1.5CU FT.	2.5CU FT.
PORTED			
MIN	1.0CU FT.	1.5CU FT.	2.5CU FT.
PORT WxL	3INCH X 5.5INCH	4INCH X 5INCH	5INCH X 7.8INCH
F3 (Hz)	34	38	30
OPTIMUM	1.5CU FT.	2.25CU FT.	2.75CU FT.
PORT WxL	4INCH X 6INCH	6INCH X 7INCH	6INCH X 7INCH
F3 (Hz)	32	34	28



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