



*Precision***Power**

Absolutely State of the Art Mobile Audio

2012 BLACK-ICE SUBWOOFERS

BI.104

BI.102

BI.124

BI.122

BI.154

BI.152

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
Die-Cast Aluminum Frame
Vented T-Yoke Back-plate
Polly Conical Dust-cap

	Bi-102	Bi-104	Bi-122	Bi-124	Bi-152	Bi-154
IMPEDANCE	DUAL 2	DUAL 4	DUAL 2	DUAL 4	DUAL 2	DUAL 4
RE	2.2989	4.0342	2.1823	4.0427	2.2254	4.0778
FS (Hz)	33.28	34.91	29.75	33.0993	25.02	26.34
QES	1.1157	1.1051	0.9215	1.3568	1.6053	1.2591
QMS	4.1525	4.1331	4.1625	5.0420	6.8746	3.5431
QTS	0.8794	0.8719	0.7545	1.0691	1.3014	0.9290
LE (mH)	0.7608	1.1345	0.7701	1.0626	0.7804	1.1152
DIAM	10	10	12	12	15	15
SD IN ²	78.5398	78.5398	113.0973	113.0973	176.714	176.714
VAS	105.573	117.830	246.981	245.871	319.913	273.606
BL	5.8342	7.1771	11.3318	11.456	7.1331	11.4907
MMS	78.9847	64.3152	207.225	205.663	233.403	246.3005
SEN	87.15	88.3	90.2	89.6	86.6	87.7
CUTOUT D.	9.6INCH	9.6INCH	11.6INCH	11.6INCH	14.5IN	14.5IN
MOUNT D.	5 3/8 IN	5 3/8 IN	5.75IN	5.75IN	6.5IN	6.5IN

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	BI-102/BI-104	BI-122/BI-124	BI-152/BI-154
MIN	.75CU FT.	1.25CU FT	1.5CU FT.
OPTIMUM	1.0CU FT.	1.75CU FT.	2.5CU FT.
PORTED			
MIN	1.0CU FT.	1.75CU FT.	2.5CU FT.
PORT WxL	4INCH X 10INCH	4INCH X 4INCH	6INCH X 4.5INCH
F3 (Hz)	50	58	49
OPTIMUM	1.5CU FT.	2.0CU FT.	3.0CU FT.
PORT WxL	4INCH X 7.5INCH	5INCH X 8.5INCH	6INCH X 2.7INCH
F3 (Hz)	45	49	47



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