



• SPECIFICATIONS
• CARACTERISTIQUES
• ESPECIFICACIONES

Model Modèle Modelo	Size Taille Tamaño	Nominal power Puissance nominale Potencia nominal	Max. power Puissance maximum Maxima potencia	Nomial impedance Impédance nominale Impedancia nominal	Sensitivity Sensibilité Sensibilidad	Frequency response Bande passante Respuesta de frecuencia	Magnet weight Poids aimant Peso del imán	Displacement Déplacement Desplazamiento	Mounting depth Profondeur d'encastrement Profundida de montaje
PS-12	12" (305mm)	250W	500W	4Ω	91dB/W	32 - 450 Hz	40oz	0.061cu.ft 1.73liters	5.4 inch (137mm)

Model Modele Modelo	Revc (Ω)	Sd. (cm)	Fs (Hz)	Qms	Qes	Qts	Vas (cu.ft) (liters)	No (%)	Mms (g)	Cms (μ m/N)	V.C. Diam (inch) (mm)	BL (T.m)	Xmax (mm)
PS-12	3.1	514.719	32.4	7.42	0.55	0.51	3.679 81.58	0.488	111.4	216.85	2.0" 51	11.32	8mm

PS SERIES INSTALLATION INSTRUCTIONS

Thank you and congratulations on your decision to purchase a PowerBass PS Series woofer. The PS Series woofers are designed to suit a broad range of mobile audio applications and can be used in a variety of enclosure types. We strongly recommend you have this product professionally installed. Doing so will not only insure maximum performance, but also extend the length of warranty. (See limited warranty statement below)

Although these instructions give the information necessary to properly install a PS Series woofer in a general sense, they do not show box construction details or exact installation methods for your particular vehicle. If you do not feel you have experience, do not attempt installation yourself, but instead ask your authorized PowerBass dealer about professional installation options.

Remember to keep your sales receipt with these instructions in a safe place so both are available for future reference.

The PS Series woofers are optimized to perform best in small, sealed, vented and prefabricated bandpass enclosures. We do not recommend infinite-baffle applications for PowerBass woofers.

You should choose the enclosure you will use based on the type of music you listen to, how much amplifier power you will use for the woofer and how much space inside the vehicle you can devote to a woofer enclosure.

Because a sealed enclosure provides the most control over the woofers movement, a woofer mounted in a sealed enclosure will handle more power than a woofer mounted in other enclosure types. Sealed enclosures (Fig A) provide more accurate sonic reproduction than other enclosure types when mounted inside a vehicle, so they are well suited to all types of music. Sealed enclosure construction is straightforward and there are many prefabricated sealed enclosures available. An optimum sealed enclosure is always smaller than other types of enclosures and require the least amount of space inside the vehicle.

Vented enclosures (Fig B) provide better efficiency in the 40Hz-50Hz range but this efficiency comes at the expense of sound in the lowest octave (below 40Hz) and at the expense of some control and power handling at the lowest frequencies. If you are using a small amplifier, a vented box will provide more perceived bass output from less power. Vented enclosures are also well suited to a variety of music types. Because vented enclosures require the volume of the enclosure and the size of the port to have a specific relationship with the characteristics of the woofer, the enclosure must be built exactly to spec. While there are some prefabricated vented boxes available, matching a vented prefabricated box to a particular woofer is very difficult.

Bandpass enclosures (Fig C) often provide the most output available from any amplifier and subwoofer combination at the expense of sonic accuracy. If sheer SPL (sound pressure level) is what you desire most, choose a bandpass enclosure. Bandpass enclosure design is very tricky and the aid of a computer and special enclosure design software is necessary. Fortunately there are many prefabricated bandpass boxes available and they are all optimized to extract the most output possible from any woofer. Bandpass enclosures tend to be quite large and may require a lot of space inside your vehicle.

For additional information and technical support 24/7 visit our website www.powerbassusa.com

POWERBASS LIMITED WARRANTY (USA ONLY)

PowerBass USA, Inc offers limited warranty on this product as follows:

PowerBass USA warrants this speaker to be free of defects in materials and workmanship for a period of one (1) year from the original date of purchase provided installation has been completed or approved by an authorized PowerBass dealer, in writing, on the original sales receipt. **If the proceeding condition is not met, the warranty term is limited to ninety (90) days from the original purchase date.**

This warranty applies only to PowerBass products sold to consumers by Authorized PowerBass Dealers in the United States of America. Products purchased by consumers from a PowerBass Dealer in another country are covered only by that country's distributor and not by PowerBass USA.

This warranty covers only the original purchaser of PowerBass product. In order to receive service, the purchaser must provide PowerBass with the receipt stating the consumer name, dealer, product and date of purchase.

Products found to be defective during the warranty period will be repaired or replaced (with product deemed to be equivalent) at PowerBass's discretion and will not be liable for incidental or consequential damages. PowerBass will not warranty this product under the following situations:

- Speakers received with bent frames or water damage
- Abuse such as holes in the cone, surround or ripped spider
- Voice coil damage due to amplifier clipping or distortion
- Product that has not been installed according to this owners manual

Any implied warranties including warranties of fitness for use and merchantability are limited in duration to the period of the express warranty set forth above. Some states do not allow limitations on the length of an implied warranty, so this limitation may not apply. No person is authorized to assume for PowerBass any other liability in connection with the sale of this product. Warranty is voided if the factory applied product serial number is removed or defaced.

You must obtain an RA# (Return Authorization Number) to return any product to PowerBass. The RA number must be prominently marked on the outside of the shipping carton or the delivery will be refused. Please pack your return carefully; we are not responsible for items damaged in shipping. **Return defective product along with a copy of the original dated retail sales receipt, plus \$12.00 for handling and diagnostic evaluation.** Residents of HI, AK and US territories will be charged for return shipping.

FOR SERVICE INFORMATION IN THE U.S.A. PLEASE CALL
PowerBass Customer Service: (909) 993-5399 during normal business hours (PST)

PowerBass USA, Inc.
13936 Mountain Avenue, Chino, CA 91710