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Orion hcca 12 box specs

With the LAB SlapBox, our goal was to create a complete cabinet that sounded good while listening to different genres of music. The SlapBox is a driver-specific ported enclosure designed and optimized using a specific woofer's T/S parameters. The construction of these boxes consists of high quality solid MDF (medium density fiber) cut with precision and assembly, then sealed with industrial grade subsurface adhesive. Adjustment frequencies vary by application, but we generally adjust our SlapBox between 32Hz-34Hz. Tuning in this frequency range provides a well-balanced attack of SPL and SQ. You'll get incredible output and sound quality, without sacrificing the low-end extension. The SlapBox is available for a variety of sub-applications. The name says it all. This enclosure really slaps! Orion HCCA 12 (HCCA122 / HCCA124) ventilated woofer enclosure Designed and optimized for a single sub Orion HCCA of 12 (HCCA 12.2 / HCCA 12.4) 2.65 cu. 33Hz Tuned Feet Constructed of 0.75 HIGH Quality CNC CUTTING MDF Reinforced 1 MDF Front Deflector Desalmallar High Quality Automotive Heavy Duty Carpet Heavy Duty Speaker Terminal Made in California, U.S.A. Housing volume: 2.65 ft-3 (internal net) Maximum adjustment frequency: 33Hz Port size: 14.50 x 3.00 Sub cutting diameter: 11.5 (11-1/2) Dimensions: 30W x 16H x 18D sku: 5517 upc: 649862801419 ups: 60 (36x21x20) So you want the best in an SPL woofer? Well, look no further. The new Orion HCCA subwoofers are the baddest submarines on the planet. Definitely. You could call our HCCA sub a super woofer, but it's actually the top woofer! With its huge 4 high-temperature voice coil and immense engine, this subwoofer can reach up to 4 travel. And everyone knows that more trips equal more BASS! HCCA makes an upgrade to this already excellent woofer by adding a new voice coil of better quality and higher power. This modification increases power performance and temperature control. Features: Sold individually massive 4 high temperature voice coil diameter: 12 MAX Power handling: 10,000 watts nominal handling power: 5000 watts RMS Handling power: 2500 watts voice coil: DVC voice coil type: black coil sensitivity: 84 dB Mounting depth: 10-3/4 Polypropylene cone Symmetrical woo surround Double related flat spiders with tinsel sewn ring High temperature voice coil cooling systems PAARC (Amida Polyester, Amide Resin Coated) voice coil Copper rope coil in an old aluminum View AllClose No results for Ported Sub Enclosure Box for 2 Orion HCCA 12 subwoofers - 3 - - Birch - 32 Hz - 4.6 CF. Sub Cover See all 38 results Visit the help section or contact Us Shipping to: United States, Canada, United Kingdom, Denmark, Romania, Slovakia, Bulgaria, Czech Republic, Finland, Hungary, Latvia, Lithuania, Malta, Estonia, Australia, Greece, Portugal, Cyprus, Cyprus, Japan, Sweden, Korea, South, Indonesia, Taiwan, South Africa, Thailand, Belgium, France, Hong Kong, Ireland, Netherlands, Poland, Spain, Italy, Germany, Austria, Bahamas, Israel, Mexico, New Zealand, Philippines, Singapore, Switzerland, Norway, Saudi Arabia, United Arab Emirates, Qatar, Kuwait, Bahrain, Croatia, Republic of, Malaysia, Brazil, Chile, Colombia, Costa Rica, Panama, Trinidad and Tobago, Guatemala, Honduras, Jamaica, St. Kitts-Nevis, Saint Lucia, Montserrat, Turks and Caicos, Barbados, Bangladesh, Bermuda, Brunei Darussalam, Bolivia, Ecuador, Egypt, French Guiana, Guernsey, Gibraltar, Guadeloupe, Iceland, Jersey, Jordan, Cambodia, Liechtenstein, Sri Lanka, Luxembourg, Monaco, Macau, Martinique, Maldives, Nicaragua, Oman, Peru, Pakistan, Paraguay, Reunion, Vietnam Excludes: Angola, Cameroon, Cayman Islands, Djibouti, French Polynesia, Libya, Mongolia, El Salvador, Suriname, Guyana, Mauritius, Somalia, Chad, Madagascar, New Caledonia, Western Samoa, Iran, Western Sahara, Wallis and Futuna, Nepal, Mali, Fiji, Gambia, Kyrgyzstan, Laos, Papua New Guinea, Congo, Republic of the Congo, Seychelles, Sudan, Uganda, Vanuatu, Venezuela, Burma, Burundi, Cuba, Republic of the Congo, Democratic Republic of, Kiribati, Yemen, Ghana, Haiti, Liberia, Sierra Leone, Central African Republic, Comoros, Tuvalu, Lebanon, Niger 12 Double 2 Ohm Competition HCCA Car Series Subwoofer Product Features 12 Dual 2 ohms HCCA Series Competition Subwoofer PowerHandling: Peak: 4000 Watt RMS: 2000 watts Polypropylene Woofer Rubber Tri-Radius Wrap Dual Wrap Glasses With Loop Sewn Tinsel Cables Improved High Temperature PAARC Voice Coil Cooling Systems (Amide, Amide Resin Coated) Dual Voice Coil 2 ohms : HCCA12.2, HCCA-12.2 Sensitivity: 84 dB If the subwoofer blows, there is a replacement cone kit that allows you to easily swap the blown/burned voice coil and surround with a new one. The replacement kit allows you to keep the magnet and basket, saving you money, as you don't need to buy a new seriesEach Descaster subwoofer manufactured is part of a series. This is the name of the subwoofer series. Subwoofer sizeRefers to subwoofer diameter, measured in inches. Peak Power HandlingPeak powerhandling refers to the amount of power a speaker can handle during a short musical burst. The RMS power range figure is a much more reliable rating for determining speaker power requirements. The Peak power management specification is typically classified by speaker unless otherwise noted. RMS Power HandlingThe RMS power is the amount of power the speaker requires to operate safely and properly. RMS Power Handling refers to the amount of power a speaker can handle in a We recommend powering your speakers or subwoofer with 80%-120% of your recommended RMS rating. The RMS power management specification is typically classified by speaker unless otherwise noted. Voice coil(s) Dual voice coil subs have more wiring flexibility than individual subs voice coils; However, single voice coil subwoofers provide easier connection options for multi-subwoofer wiring in parallel or in series. You can also run a dual voice coil (DVC) sub in parallel, series, or combination. A quad voice coil has four voice coils and is equal to two dual voice coil subwoofers in terms of wiring. Impedance (per voice coil)The load value (in ohms) that the speakers present to the amplifier by voice coil - the amount of resistance to current flow. This is a key specification, as parallel or low impedance wired subs can create problems with your amplifier and potentially void all warranties. We recommend that you ask our support department before purchase if you do not understand which impedance level will best suit your application. Voice coil diameter Voz coil diameter, usually measured in inches. Frequency responseThe frequency range that the speaker will play (lowest frequency at the highest frequency). Larger is better, which means the wider the range, the better. The optimal range is 20 - 20,000 Hz (which is the human hearing range). Sensitivity Of efficiency or sensitivity tells you how effectively a speaker converts energy into sound. The higher the number, the more efficient the speaker will be and the stronger it will play with the same input power. An efficient speaker helps you maximize your available power. Most sensitivity ratings measure the speaker output with 1 watt input, 1 meter from the speaker. The sensitivity of some speakers is measured with 2.83 volt input, instead of 1 watt. Efficiency (1w/1m) is not an accurate indicator of the output capacity of a subwoofer and should not be used as a comparison with other speakers or subwoofers to determine which is higher. Xmax (millimeters)Normally measured in millimeters, the Xmax value is the measure of the maximum excursion of a speaker cone in one direction while maintaining linear behavior. Subwoofer design This is the subwoofer design or the opening of the subwoofer housing. Each design has its own benefits, whether it's a square, a circle or an oval. Round/Circle: This is the typical and common design of the subwoofer. They have a round cone and are a circle in design. Square: These woofers are able to achieve a larger cone area in a smaller space. to the larger surface area, some square subwoofers will be stronger than a round subwoofer of the same size. Main cone color This is the color of the speaker or subwoofer cone. De woofer CompositionLightweight woofer cone materials are essential for efficient operation. Polyethylene cones produce exceptional sound and are resistant to strength temperature changes. Paper cones are very efficient, and when treated for moisture resistance, it will work at a high level. Poly refers to polypropylene, which is thermoplastic or fibers that are propylene polymers. IMPP refers to injection molded polypropylene, a commonly used process and speaker material. The Woofer SurroundA speaker enclosure is part of the suspension system. The surrounding area protects the cone and prevents it from moving as it flexes from the basket. It is usually made of a durable material such as treated foam or rubber in order to withstand the strenuous work of producing bass frequencies. Magnet structureDefine the overall structure of the subwoofer magnet. Subwoofer Grille Most subwoofers are able to accommodate a universal grid; However, some submarines include a grid and others have a specific and optional grid available for purchase separately. If yes, then the subwoofer includes a grid. If optional (sold separately) the match grid will have to be purchased in addition to the available re-cone kitSome top-end subwoofers have replaceable cone sets. In case of a blown woofer, a recognition kit allows a simple replacement, instead of buying a new subwoofer. Recommended specifications type of housingseseseseseseseseseses is the recommended type of enclosure in which the subwoofer should be installed. Some subwoofers are specially designed for private enclosures. Sealing: These enclosures completely enclose air inside the box. These boxes produce a tight bass. Portado/Ventilated: These enclosures have an air slot to escape the box. The result is a sound that has more boom. Band Pass: These are a combination of sealed and ported enclosures. They can be very efficient, but they require adjustments to get the best answer. Minimum sealed box volume This value indicates the minimum sealed box volume that the manufacturer recommends for the subwoofer. Volume is usually displayed in cubic feet. Optimal sealed box volume This value indicates the ideal sealed box volume that the manufacturer recommends for the subwoofer. Volume is usually displayed in cubic feet. Maximum sealed box volume This value indicates the maximum sealed box volume recommended by the manufacturer for the subwoofer. Volume is usually displayed in cubic feet. Minimum cover box volume This value indicates the minimum cover box volume that the manufacturer recommends for the subwoofer. Volume is usually displayed in cubic feet. Optimum Ported Box Volume This value indicates the ideal ported box volume that the manufacturer recommends for the subwoofer. Volume is usually displayed in cubic feet. Maximum cover box This value indicates the maximum cover box volume that the manufacturer recommends for the subwoofer. Volume is usually displayed in cubic feet. Mounting on top when installed at the top of the mounting surface. Measured from the bottom of the speaker magnet to the bottom of the mounting holes at the edge of the speaker. Trim DiameterThe actual diameter of the hole you will need to cut if you are creating a new mounting location for this speaker, or if you are mounting a subwoofer in a box. Shallow mounting installationThe mean that the subwoofer/speaker is designed to be installed in areas that do not have much space. Shallow mounting subwoofers are typically located under a seat or behind the seat on some trucks. Shallow mounting speakers typically have a mounting depth of 2 or less, while shallow mounting subwoofers typically have a mounting depth of 3 or less. Electromechanical parameters Outdoor resonance (Fs)The subwoofer's outdoor resonance frequency, measured in Hz. At this frequency, the weight of the moving parts is perfectly balanced with the subwoofer suspension system. Equivalent Compliance (Vas)This is the amount of air that has the same stiffness as the subwoofer suspension. The higher the rating, the lower the stiffness and the higher the recommended housing. It is measured in liters. Total speaker value Q (Qts)This is the relative damping subwoofer (Q) at the resonance frequency (Fs), including all non-dimension losses. Essentially, a high Qts value (closer to 1.0) means that the subwoofer is ideal for sealed enclosures and a low Qts value (closer to 0) means that the woofer is large in ventilated enclosures. A Qts of around 0.45 means that the woofer will work decently in any type of cabinet. Electrical Q-value (Qes)Relative damping subwoofers (Q) at resonance frequency (Fs), including electrical losses. It is also called the mechanical damping of the subwoofer. The measurement without unit usually varies from 0.5 to 10. Electrical resistance of the voice coil (Re)Amount of DC resistance of the subwoofer when measured with an ohm meter. Typically, this will read less than the subwoofer impedance rating. Mechanical Q-value (Qms)This is the relative damping subwoofers (Q) at the resonance frequency (Fs), including mechanical losses. It is also called the mechanical damping of the subwoofer. This non-unit measurement usually ranges from 0.5 to 10. Efficiency Bandwidth Product (EBP)This number represents the balance between having an efficient woofer and one with a wide bandwidth. To calculate this number, take the Fs and divide it by the Qes. If the number is less than 50, the woofer is designed only for a sealed enclosure. If it is between 50-100 it can be used in any of the Finally, if it is greater than 100 it is designed for ventilated enclosures. What's in the box? WITB: SubwoofersA detailed list of equipment (main product and accessories) included with your subwoofer. If special accessories are included in the box, the main list of equipment will be listed and detailed below. Equipment, included with the product. Other accessories #1Standard accessories are included in the main list above; However, this line provides specific details about an additional and unique accessory that is included with the product. Other accessories #2Standard accessories are included in the list above special accessories; However, this line provides specific details about an additional and unique accessory that is included with the product. Other accessories #3Standard accessories are included in the list above special accessories; However, this line provides specific details about an additional and unique accessory that is included with the product. Other accessories #4Standard accessories are included in the list above special accessories; However, this line provides specific details about an additional and unique accessory that is included with the product. Other accessories #5Standard accessories are included in the list above special accessories; However, this line provides specific details about an additional and unique accessory that is included with the product. Authorized Distributor We are an authorized distributor for almost all brands and manufacturers we sell. In rare cases we are not authorized, we guarantee that the product comes from an authorized distributor or distributor. As such, we will always help you even beyond the return policy to ensure that the manufacturer's entire warranty is covered in case you have a manufacturer's defect. Warranty and Return Return Parts Policy Warranty Duration Not Guaranteed Duration of Unre guaranteed Work Warranty Provider Sonic Electronix LS-hcca122-OB Orion HCCA122 Open Box 379.95 USD Discontinued /Car Electronics & Auto Parts/Car Subwoofers/Car Subwoofers/Car Subwoofers/Car Subwoofers/Car Subwoofers/Car 12 Car Subwoofers 12 Dual 2 ohm Competition HCCA Series Car Subwoofer 799.99 Orion open_box_complete 0 0.0 Page 2 Settlement station: Open Box & Refurbished Items /Car Electronics & Auto Parts/Car Subwoofers Subwoofers