cerwin vega mobile

HED

SUBWOOFER

H4104/H4124D

cerwin vega mobile

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WWW.CERWINVEGAMOBILE.COM

MAKING IT LOUD SINCE 1954

60 YEAR cerwin vega mobile ANNIVERSARY

USER MANUAL

Introduction

Cerwin Vega Mobile Speakers

Congratulations for purchasing Cerwin Vega Mobile speakers for your car audio system. You have chosen Cerwin Vega Mobile because you deserve the best!

Cerwin Vega Mobile speakers are designed and engineered to reproduce great sound quality for many years of listening enjoyment in your vehicle! We highly recommend that your new speakers be installed by an authorized Cerwin Vega Mobile dealer. Your authorized dealer can professionally assemble/disassemble the interior of your vehicle and set the proper speaker placement for ideal sound quality.

If you decide to install the speakers by yourself, please thoroughly read through this manual before getting started. This manual will help familiarize yourself with these speakers and guide you through the installation process and procedures.

Please contact your local authorized Cerwin Vega Mobile dealer if you have any questions regarding the instructions in this manual. If you require additional assistance, please contact the Cerwin Vega Mobile Technical Support Department during business hours at 213-261-4161.

Warranty

Thank you for purchasing a Cerwin Vega Mobile product and we hope to provide you with countless hours of listening enjoyment.

Please take a brief moment to register your new product. By registering your new product, you will receive benefits such as:

- Important product notifications that may pertain to your purchase.
- Confirmation and record of ownership in case of loss or theft.
- Knowledgeable customer service and technical assistance pertaining to your product.

Register your new product by completely filling out this Product and Warranty Registration card or register online at
www.cerwinvegamobile.com.

Registration is voluntary and failure to register will not diminish your limited warranty rights.

Limited Warranty (U.S.A.)
Cerwin Vega Mobile warrants all of our amplifiers and speakers to be free of defects in materials and workmanship for a period of one (1) year.

This warranty is non-transferable and applies only to the original purchaser from an authorized Cerwin Vega Mobile dealer. If service is required and necessary under this warranty due to manufacturing defect or malfunction, then Cerwin Vega Mobile will repair and/or replace defective product with either new or remanufactured like product at no charge at our discretion.

Damage to product caused by the following will not be covered under this warranty: abuse, accident, misuse, neglect, modifications, repairing attempts, seller/installer misrepresentation.

This warranty does not cover any incidental, consequential, or cosmetic damage due to accidents or normal wear and tear, nor does it cover the cost of removing or reinstallation of the product.

Warranty is void if the product's serial number has been removed, defaced, and/or tampered with.

Warranty Procedure:
We recommend that you contact your Cerwin Vega Mobile authorized dealer where your original purchase was made to initiate all warranty claims. Our authorized dealers can guide you through the warranty procedure to ensure that your claim will be processed in a timely manner. All warranty returns must be accompanied with a proof of purchase (a copy of the original sales receipt) and be shipped freight prepaid to our facility with an RA (Return Authorization) number clearly marked on the outside of the package. Direct returns from consumers or non-authorized dealers will be refused if shipped without a valid RA number authorized by Cerwin Vega Mobile beforehand.

INTERNATIONAL
Products purchased outside of the U.S.A. are covered only by that country's distributor and not by Cerwin Vega Mobile U.S.A.

Please Ship All Warranty Claims With Pre-Authorized RA Number To:
CV&DA Holdings, Inc.
ATTN: Customer Service Department
1225 E. 7th St.
Los Angeles, CA 90021 USA

Please Contact Customer Service for Further Warranty Information:
U.S.A.
Tel: 213-261-4161 / Fax: 213-947-4767

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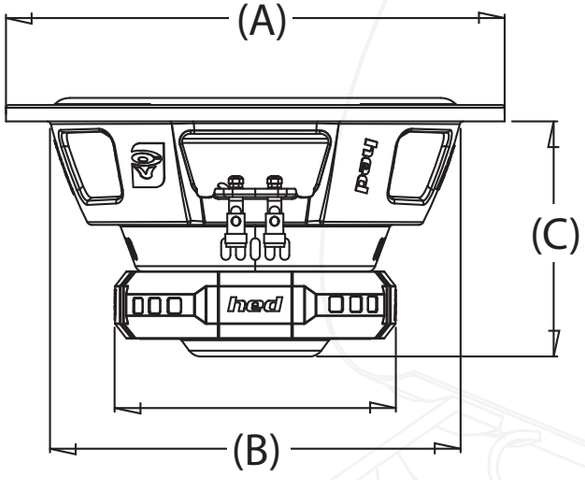
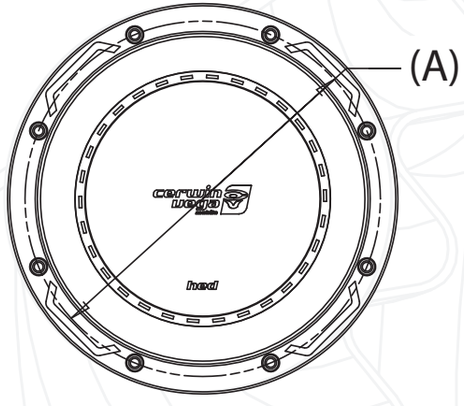
Specifications

Dimension	Unit	H4104D	H4124D
Total Diameter (A)	in. (mm)	10.7 (271.8)	12.7 (322.6)
Mounting Diameter (B)	in. (mm)	9.7 (246.4)	10.82 (259.0)
Mounting Depth (C)	in. (mm)	5.1 (129.6)	5.35 (135.9)
Magnet Diameter (D)	in. (mm)	6.5.0 (165.1)	6.5 (165.1)





Thiele/Small Parameters

Parameter (unit)	H4104D	H4124D
SPL (dB)	85.5	87.0
Re (Ω) [series]	4.0/4.0	4.0/4.0
Qms	9.4	7.9
Qes	0.60	0.53
Qts	0.564	0.497
Fs (Hz)	31.3	27.7
Vas (L)	39.3	80.8
Cms (mm/N)	0.255	0.237
Mms (g)	101.2	139.2
Sd (m^2)	0.033	0.049
BL (T*M)	15.5	20.5
Xmax (mm)	14	14
Pwr (W) NOM/MAX	250/1000	250/1200

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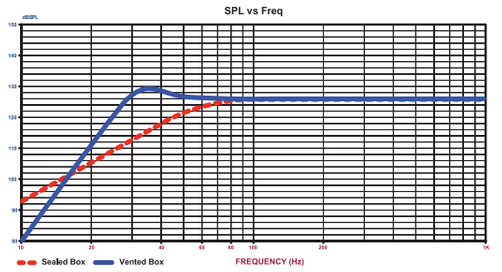
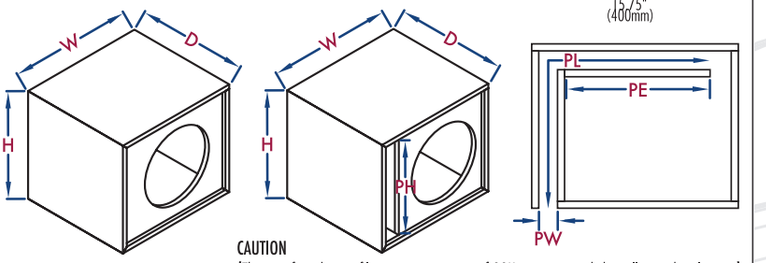
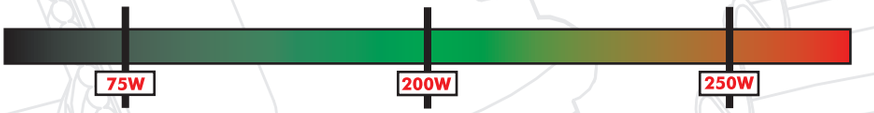
RECOMMENDED ENCLOSURES

SUBWOOFER SIZE	SEALED ENCLOSURE		PORTED ENCLOSURE			
NOTE (All measurments are calculated using 3 /4"MDF")	Volume (net int.)	External Dimensions Width x Height x Depth	Volume (net int.)	Enclosure External Dimensions Width x Height x Depth	Slot Port Internal Dimensions Port Width x Port Height x Port Length	Port Extension Length "PE"
H4104D	0.75 ft³ 21.225 litres	14" x 12.75" x 10" 356mm x 324mm x 254mm	1.25 ft³ 35.375 litres	20.5" x 13.5" x 13.25" 559mm x 305mm x 273mm	1.25" x 12" x 22" 32mm x 305m[m x 559mm	10.75" (273mm)
H4124D	1.25 ft³ 35.375 litres	18" x 14.25" x 12.5" 457mm x 362mm x 317.5mm	1.50 ft³ 42.450 litres	22" x 15" x 13.25" 559mm x 381mm x 273mm	1.625" x 13.5" x 27" 41mm x 343mm x 686mm	15.75" (400mm)





CAUTION
(The use of a sub-sonic filter set at a mininum of 30Hzis recommended on all vented enclosures.)



MINIMUM RMS POWER (50W BLACK AREA)
This lower amount of power will increase the longevity of the woofer, but will decrease the amount of output volume.

RECOMMENDED RMS POWER (100W GREEN AREA)
This is the optimum amount of power to provide the perfect balance output volume and woofer longevity.

MAXIMUM RMS POWER (250W RED AREA)
This is the maximum amount of power the woofer is designed to operate safely under. Only a moderate volume increase is gained (<1.7dB) at this higher power level. Operating beyond this power level will void your warranty.

Enclosures

Features

H4104D - 10 INCH SUBWOOFER / H4124D - 12 INCH SUBWOOFER

- Proprietary Deep Drawn HED Basket
- Unimount Gasket & Surround
- 1 Piece Parabolic Cone
- Dual Voice coil design for maximum versatility
- Single Stitched Rubber Surround
- Oversized Spring Loaded Terminals
- Stitched Tensile Leads into Woven Spider
- Protected Lead Wires
- Vented Basket and Pole Piece

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