BLAUPUNKT

BLAUPUNKT Brand established 1924 GERMANY

VELOCITY POWER
HIGH-POWERED SUBWOOFER DRIVER
MPW 11412

Enjoy it.

Designed and engineered by Blaupunkt Competence Center

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Operating and Installation Instructions

INTRODUCTION

Proper system planning is vital in order to maximize the device's performance and road safety. Plan your installation carefully to avoid compromising performance reliability of the system. Consult an authorized Blaupunkt dealer for installation or reparation. Read the manual carefully before operating the device for the first time.

Safety Notes

Ensure to follow below safety notes during installation and wiring connection : -

- Disconnect the negative terminal of the battery. Refer to the safety notes of vehicle manufacturer.
- Ensure positions of the holes are nowhere near the vehicle component to avoid any damage during drilling.
- Ensure cross section of the cable is no less than 2.5mm2 if the positive and negative cables are too long.
- Incorrect installation may result in malfunction of the device or the car sound system.

Installation and Connection Instructions

- Select a dry and well-ventilated location to install the device.
- The device must not be installed in overly exposed location such on the rear shelf, rear seat etc.
- The installation location must be suitable for screw holes and have stable ground support.

Disclaimer

- In no event shall Blaupunkt be liable for any direct, indirect, punitive, incidental, special consequential damages, to property or life, improper storage, whatsoever arising out of or connected with the use or misuse of our products.
- USA & CANADA : Product not intended for sale in the United States and Canada. If purchased in the U.S. or Canada, this product is purchased as-is. No warranty, express or implied is provided in the U.S. and Canada.

Voltage Supply

- Use the supplied power extension cable to connect to the positive battery terminal.
- Firmly and carefully connect the ground lead to a bare metal point on the vehicle chassis.
- The control of the device should be a two-channel control, either via the preamplifier outputs or the loudspeaker, output of the car sound system.
- A control solely via the right or left channel is also possible since the low-frequency portion of the music is generally identical on both channels.

Integrated Fuse

The integrated fuse in the device protects the output voltage and the entire electrical system in case of malfunction. Do not replace damaged fuse with higher current.

Switching On/Off

This device will automatically turn on if a music signal is detected. The device will also automatically turn off if no music signal is received.

Recycling and Disposal

Please dispose responsibly.
Subject to change.

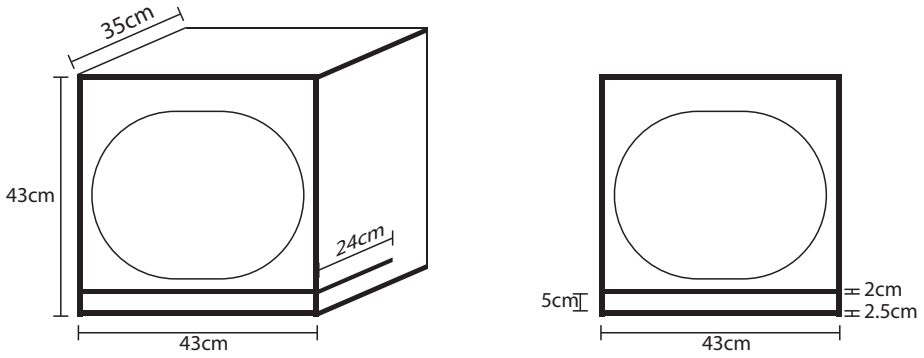
INSTALLATION

Sound Quality Ported Enclosure

The use of low tuning allows the MPW 11412 to deliver much stronger Low bass energy when compared to the sealed enclosure. Use of a smaller volume combined with low tuning allows the ported sound quality enclosure to produce a relatively flat response down to 30Hz while delivering solid impact at high output levels.

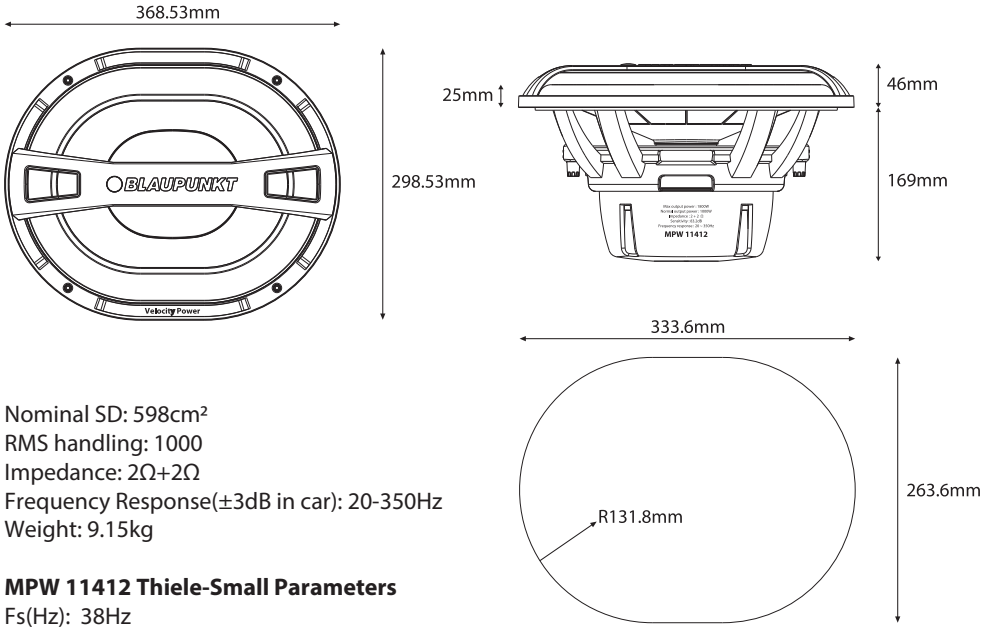
Sound Quality Ported Enclosure specifications
Recommended Enclosure Volume*: 1.53ft³(43.32L)

Sound Quality Ported Enclosure Example
Gross Volume: 1.53ft³(43.32L)
Internal Height(H): 1.246" (38cm)
Internal Width(W): 1.246" (38cm)
Internal Depth (D): 0.98" (35cm)
Slot Port Opening: 0.164" (5cm)
Port Length: 1.246"x0.787" (38cmx24cm)
Note: If a rectangle port cannot be used, try two 3"(77mm) round ports, 16"(406mm) long



*All enclosure dimensions are internal and include basket displacement. The above enclosure shape is an example and these dimensions can be modified provided that the exact internal volume is retained 1-inch thick M.D.F is recommended as a minimum

SPECIFICATION

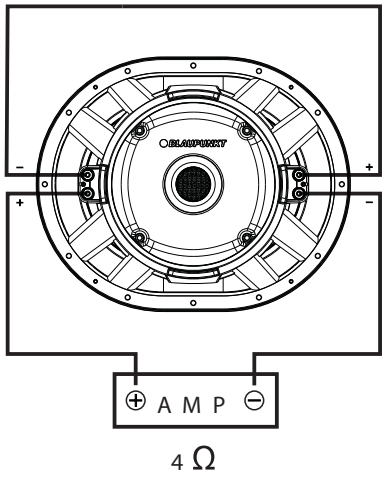


Nominal SD: 598cm²
RMS handling: 1000
Impedance: 2Ω+2Ω
Frequency Response(±3dB in car): 20-350Hz
Weight: 9.15kg

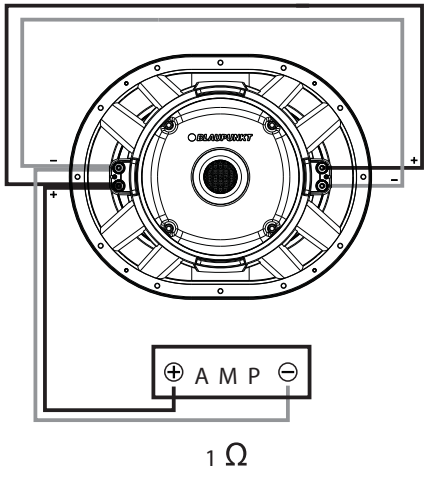
MPW 11412 Thiele-Small Parameters
Fs(Hz): 38Hz
Re(Ohms): 2Ω+2Ω
Qms: 6.624
Qes: 1.476
Qts: 1.202
Vas(Liters): 35.4
Mms(Grams): 249
Cms(μM/Newton): 69.696
Xmax(Mm): 11
Sd(CM2): 598
Bl(Tesla-M): 9.935
SPL Eff(dB @ 1w/1m): 83.2
SPL Sen(dB @ 2.83v): 87.7

WIRING DIAGRAM

First Connection : Series Connection



Second Connection : Parellel Connection



INSTALLATION

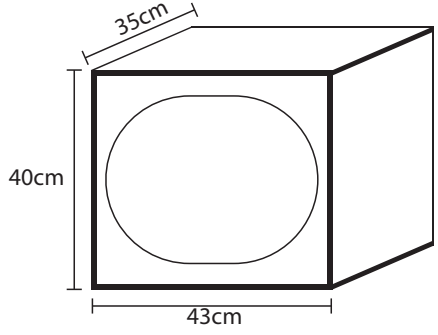
Sealed Enclosure

A sealed enclosure is the best option if sound quality is of primary concern. It will offer the best overall response across the low frequency audio spectrum, great transient response, and will allow for the most seamless integration between the subwoofer system and front speakers.

It is also half the size of the sound quality ported design minimizing the space that needs to be dedicated to the subwoofer enclosure.

Sealed Enclosure Specifications
Recommended Enclosure Volume*: 1.36ft³(38.57L)

Sealed Enclosure Example
Gross Volume: 1.36ft³(38.57L)
Internal Height (H): 1.148" (35cm)
Internal Width (W): 1.246" (38cm)
Internal Depth (D): 0.95" (29cm)



*All enclosure recommended dimensions are for internal dimensions only. The above enclosure shape is an example and these dimensions can be modified provided that the exact internal volume is with minimum of 1" M.D.F thickness.