



**SPL Show**

**OWNER'S MANUAL**  
Comp

**HERTZ**  
The Sound Experience

## English / English

Congratulations on purchasing our product. Your satisfaction is the first requirement that our products must meet: the same satisfaction as the one gained by those who long for experiencing the car audio emotion. This manual has been drawn to provide the main instructions required to install and use the system properly. However, the range of possible applications is wide; for further information, please feel free to contact your trusted dealer or our technical support at the email [support@elettromedia.it](mailto:support@elettromedia.it) Before installing the components, please carefully read all of the instructions contained in this manual. Failure to respect these instructions may cause unintentional harm or damage to the product.

1. All components must be firmly secured to the vehicle structure. Do the same when installing any custom structures you may have built. Confirm your installation is solid and safe. A component coming loose while driving may cause serious damage to the passengers, as well as to other vehicles.
2. Always wear protective eyewear when using tools, as splints or product residue may become airborne.
3. In order to avoid incidental damage, keep the product in the original packaging until you are ready for the final installation.
4. Do not carry out any installation inside the engine compartment.
5. Before starting with the installation turn the head unit and all other audio system devices off, avoiding any possible damage.
6. Make sure that the location you choose to install the components does not interfere with the normal operation of any mechanical or electrical devices of the vehicle.
7. Do not install loudspeakers where they may be exposed to water, excessive humidity, dust or dirt.
8. Do not install the tweeter without the protective grille.
9. Do not install the components or make cable run close to electronic or mechanical devices of the vehicle.
10. Be very cautious when drilling or cutting into the vehicle chassis, making sure there are no cables or structural elements essential to the vehicle underneath or in the selected area.
11. When routing cables, make sure that the cable does not come in contact with sharp edges or near moving mechanical devices. Make sure that it is firmly attached and protected along its entire length and its insulation is self-extinguishing.
12. Only use cables with the proper section (AWG) indicated herein.
13. When running the cable through a hole in the vehicles chassis, protect the cable with a rubber ring (grommet). Be sure to provide proper protection for cables running close to heat-generating devices.
14. Do not run the wires outside of the vehicle.
15. Use top quality cables, connectors and accessories such as found in the Connection catalogue.
16. Warranty certificate: For more information visit the Hertz website.

## SAFE SOUND

USE COMMON SENSE AND PRACTICE SAFE SOUND. PLEASE REMEMBER THAT LONG EXPOSURE TO EXCESSIVELY HIGH SOUND PRESSURE LEVELS MAY DAMAGE YOUR HEARING. SAFETY MUST BE AT THE FOREFRONT WHILE DRIVING.



**Information on electrical and electronic equipment waste (for those European countries which organize the separate collection of waste)**

Products which are marked with a wheeled bin with an X through it can not be disposed of together with ordinary domestic waste. These electrical and electronic products must be recycled in proper facilities, capable of managing the disposal of these products and components. In order to know where and how to deliver these products to the nearest recycling/disposal site please contact your local municipal office. Recycling and disposing of waste in a proper way contributes to the protection of the environment and to prevent harmful effects on health.

## ■ Hertz Warranty

The **Hertz** products are warranted, under normal functioning conditions, for the period of time as set by the laws in force, against defects concerning materials or their manufacturing. The warranty is valid from the date of purchase, certified by receipt.

The warranty is not valid if:

- the product is damaged by incidents, installations and/or improper use, or by any other causes not depending on materials or manufacturing defects;
- the product is modified or tampered with by unauthorised people;
- its serial number has been altered or cancelled.

While the product is under warranty, defective parts will be repaired or replaced at the manufacturer's discretion.

The defective product, along with notification about it, must be returned to the dealer from which it was purchased together with the warranty certificate duly filled in. If the product is no longer under warranty, it will be repaired at the current costs.

Elettromedia s.r.l. does not undertake any liability for damages due to transportation.

Elettromedia s.r.l. does not take any responsibility for: costs or loss of profit due to the impossibility to use the product, other accidental or consequential costs, expenses or damages suffered by the customer.

Warranty according to laws in force.

For more information visit the Hertz website.

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## ■ Гарантия Hertz

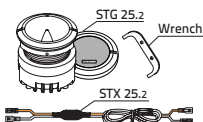
Продукция **Hertz** обладает гарантией в течение установленного текущими законами срока, при нормальных условиях использования, если она вызвана дефектами материалов или их производства. Гарантия действительна с даты покупки, подтвержденной чеком. Гарантия недействительна в следующих случаях:

- продукт поврежден в результате инцидентов, не касающихся материалов или производственных дефектов;
- продукт изменен или фальсифицирован неуполномоченными лицами;
- его серийный номер изменен или стерт.

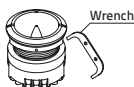
Если на продукт распространяется гарантия, его производитель принимает решение о ремонте или замене его неисправных деталей. Неисправный продукт необходимо передать распространителю, где он был куплен, предъявив полностью заполненный гарантийный сертификат. В случае если гарантия больше не распространяется на продукт, он будет отремонтирован по текущей стоимости. Мы не принимаем на себя обязательства, связанные с повреждениями вследствие транспортировки. Мы не несем ответственности за: расходы или потеря прибылей вследствие невозможности пользования данным продуктом, прочие случайные или возможные издержки, расходы или повреждения, покрытые клиентом. Гарантия в соответствии с действующим законодательством.

محتويات العبوة / Съдържание на опаковката / 包裝內容 / 内装物 /  
 Sadržaj pakiranja / Obsah balení / Pakkens indhold / Pakket inhoud  
 / Packaging contents / Pakendi sisu / Pakkauksen sisältö / Contenu de  
 l'emballage / Verpackungsinhalt / Περιεχόμενα συσκευασίας / תוכן האריזה  
 / A csomag tartalma / Isi kemasan / Contenuto dell'imballo / パッケージ  
 内容 / 패키지 내용 / Lepakojuuma saturs / Pakuotės turinys / Innhold  
 / محتويات بسته / Zawartość opakowania / Conteúdo da embalagem /  
 Conținutul pachetului / Комплектация / Obsah balenia / Vsečina  
 embalaže / Contenido del embalaje / Förpackningens innehåll / ส่วน  
 ประกอบผลิตภัณฑ์ / Paket içeriği

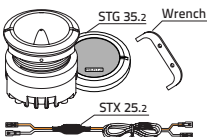
## ST 25K Neo



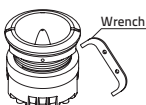
## ST 25A Neo



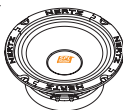
## ST 35K Neo



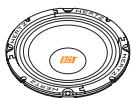
## ST 35A Neo



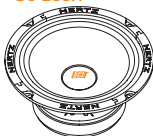
## SV 165.1



## SV 165 Neo



## SV 200.1



## SV 200 Neo



## SV 200L.1



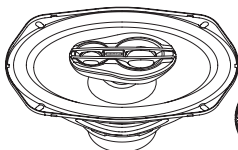
## SV 250.1



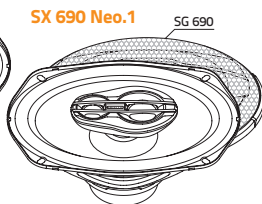
## SX 165 Neo



## SX 690 Neo

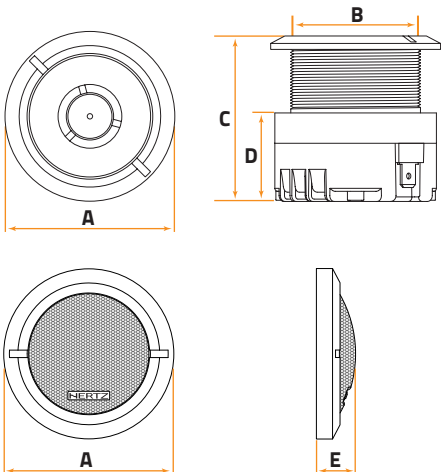


## SX 690 Neo.1



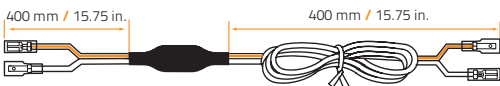
الحجم / Размер / 尺寸 / 規格 / Veličina / Velikost / Størrelse / Afmetingen / Size / Suurus / Koko / Dimensions / Größe / Διαστάσεις / اندازه / Méreték / Ukuran / Ingombro / サイズ / 크기 / Izmērs / Dydis / Størrelse / גודל / Wielkość / Dimensão / Dimensiuni / Размер / Rozměry / Velikost / Tamaño / Storlek / ขนาด / Ebat

## ST 25K Neo / ST 25A Neo / ST 35K Neo / ST 35A Neo



|            | A    | B    | C    | D    | E    |     |
|------------|------|------|------|------|------|-----|
| ST 25K Neo | 57   | 43,5 | 55,5 | 29,7 | -    | mm  |
| ST 25A Neo | 2.24 | 1.71 | 2.19 | 1.17 | -    | in. |
| STG 25 Neo | 57   | -    | -    | -    | 13,1 | mm  |
|            | 2.24 | -    | -    | -    | 0.52 | in. |
| ST 35K Neo | 69   | 52   | 65,7 | 33,3 | -    | mm  |
| ST 35A Neo | 2.72 | 2.05 | 2.59 | 1.31 | -    | in. |
| STG 35 Neo | 69   | -    | -    | -    | 17,6 | mm  |
|            | 2.72 | -    | -    | -    | 0.69 | in. |

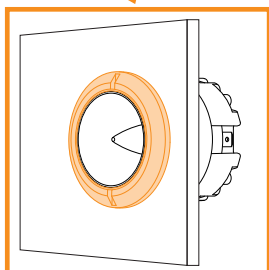
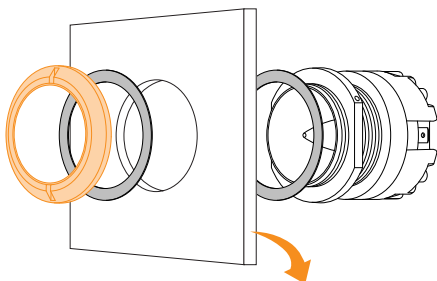
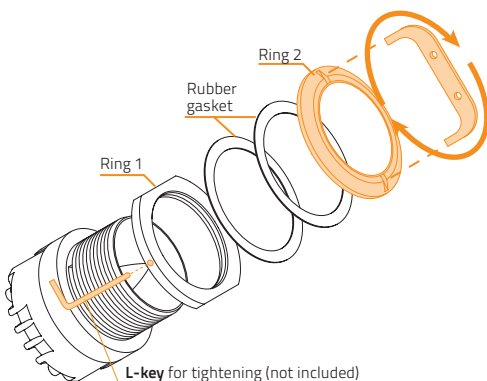
## STX 25.2



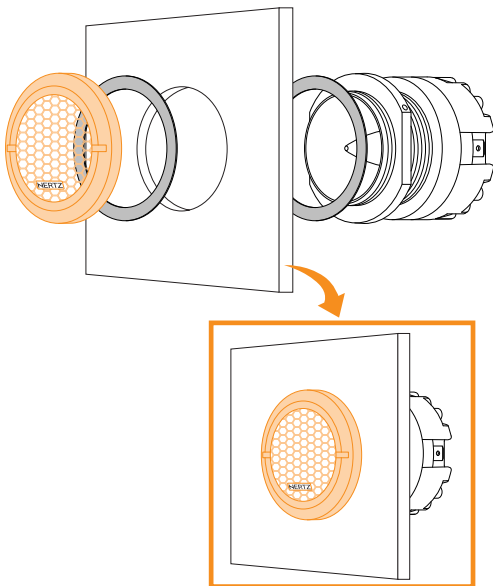
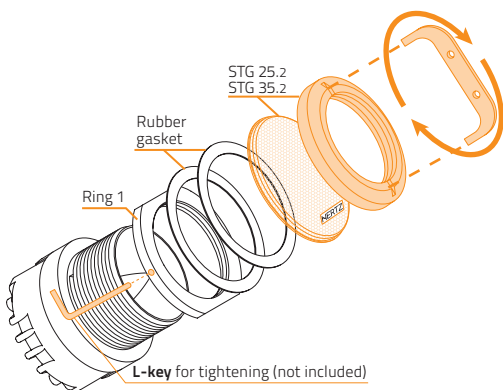
# Owner's Manual

■ التثبيت / Монтаж / 安裝 / 安裝 / Montaža / Montáž / Montering / Montage / Mounting / Paigaldamine / Kiinnitys / Montage / Montage / Τοποθέτηση / הרכבה / Beszerelés / Pemasangan / Montaggio / マウント / 마운트 / Uzstādīšana / Montavimas / Montering / تعبیه / Montaž / Montagem / Montaj / Монтаж / Montáž / Namestitev / Montaje / Montering / การติดตั้ง / Montaj

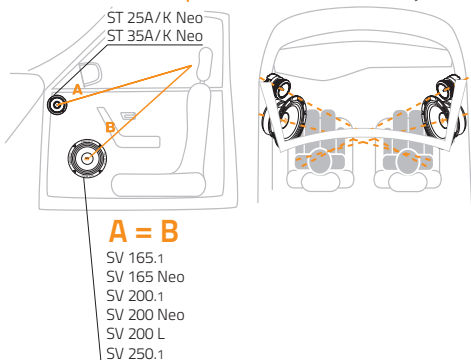
ST 25K Neo / ST 25A Neo / ST 35K Neo / ST 35A Neo



## ST 25K Neo + STG 25.2 / ST 35K Neo + STG 35.2



الطول و الزاوية المقترحة / Предложени дължина и ъгъл / 建議長度及角度 / 建議長度及角度 / Preporučena duljina i kut nagiba / Požadovaná délka a úhel / Foreslået længde og vinkel / Voorgestelde lengte en hoek / Suggested Length and Angle / Soovitav pikkus ja nurk / Suositeltu pituus ja kulma / Longueur et angle recommandés / Empfohlene Länge und Winkel / Προτεινόμενο μήκος και γωνία / הצעת אורך וחיות / Javasolt hossz és szög / Panjang dan sudut terbaik / Distanze e angolazione suggeriti / 長さ・角度案 / 권장 길이 및 앵글 / Ieteicamais garums un lenķis / Rekomenduojamas ilgis ir pakreipimo kampas / Foreslått lengde og vinkel / طول و زاویه توصیه شده / Sugerowana długość i kąt / Sugestão de extensão e ângulo / Distanța recomandată și unghiul de instalare / Рекомендуемое расстояние и угол установки / Odporúčaná dĺžka a uhol / Predlagana dolžina in nagib / Longitud y ángulo sugeridos / Föreslagen längd och vinkel / ความยาวและมุมที่แนะนำ / Önerilen uzunluk ve aç



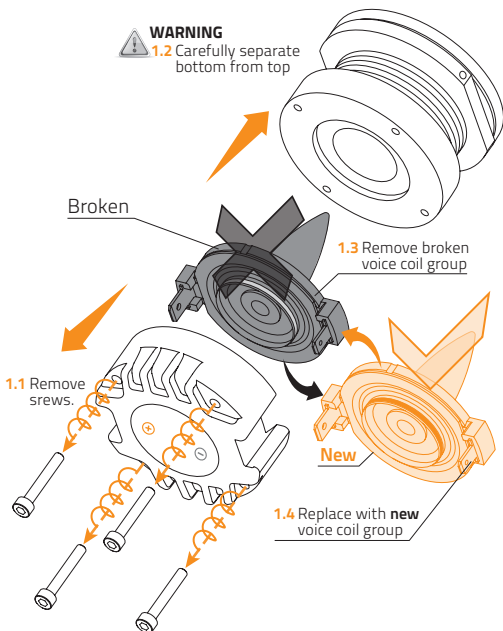
التوصيلات / Свързвания / 連接 / 连接 / Spajanje / Připojení / Forbindelser / Verbindingen / Connections / Ühendused / Kytkenät / Connexions / Verbindungen / Συνδέσεις / חיבורים / Csatlakozók / Sambungan / Connessioni / 接続 / 연결 / Savienojumi / Jungtys / Tilkoblinger / اتصالات / Połączenia / Ligações / Conectarea / Подключения / Pripojenie / Vezave / Conexiones / Anslutningar / การเชื่อมต่อ / Bağlantılar



**ST 25K Neo / ST 25A Neo / ST 35K Neo / ST 35A Neo**

## REPLACEMENT OF VOICE COIL GROUP (VC 25 Neo / VC 35 Neo)

### 1. Disassembly

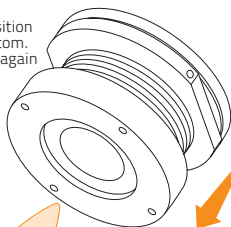


## 2. Re-assembly



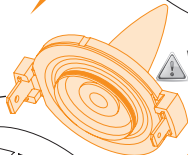
### WARNING

**2.2** Place back in position top cover on bottom. Pay attention to again screw moves.



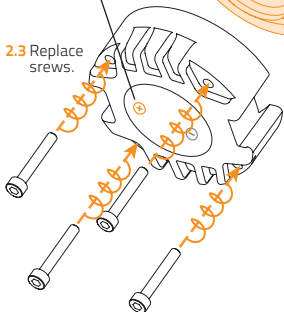
### WARNING

**2.1** Carefully insert new voice coil group into bottom



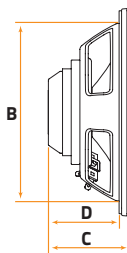
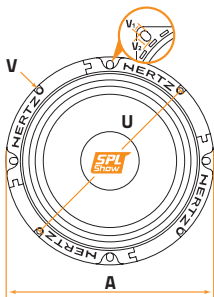
+ = 6.3mm terminal

**2.3** Replace screws.

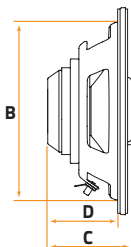
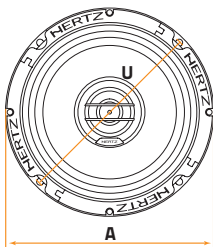


الحجم / Размер / 尺寸 / 規格 / Velčina / Velikost / Størrelse / Afmetingen / Size / Suurus / Koko / Dimensions / Größe / Διαστάσεις / اندازه / Méreték / Ukuran / Ingombro / サイズ / 크기 / Izmērs / Dydis / Størrelse / גודל / Wielkość / Dimensião / Dimensiuni / Размер / Rozměry / Velikost / Tamaño / Storlek / ขนาด / Ebat

**SV 165.1 / SV 165 Neo / SV 200.1 / SV 200 Neo / SV 200 L / SV 250.1**



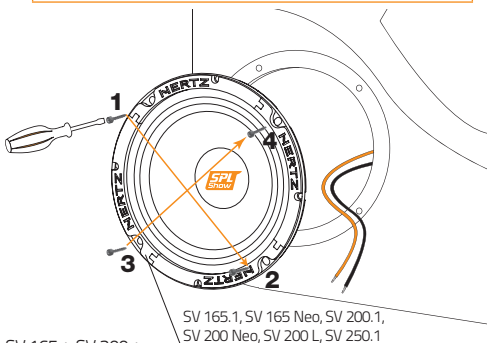
**SX 165 Neo**



|                   | A     | B     | C    | D    | U    | V    | V <sub>1</sub> | V <sub>2</sub> |     |
|-------------------|-------|-------|------|------|------|------|----------------|----------------|-----|
| <b>SV 165.1</b>   | 168   | 145   | 74   | 66   | 156  | -    | 5,5            | 6,75           | mm  |
|                   | 6.6   | 5.7   | 2.9  | 2.6  | 6.14 | -    | 0.22           | 0.27           | in. |
| <b>SV 165 Neo</b> | 167,2 | 143,3 | 65,2 | 57,1 | 160  | 4,5  | 5,5            | 6,75           | mm  |
|                   | 6.58  | 5.64  | 2.57 | 2.25 | 6.3  | 0.18 | 0.22           | 0.27           | in. |
| <b>SV 200.1</b>   | 209   | 184   | 97   | 90   | 199  | -    | 5              | 7              | mm  |
|                   | 8.3   | 7.3   | 3.8  | 3.5  | 7.83 | -    | 0.2            | 0.28           | in. |
| <b>SV 200 Neo</b> | 208   | 182,7 | 91,6 | 82,8 | 199  | -    | 5              | 7              | mm  |
|                   | 8.19  | 7.19  | 3.61 | 3.26 | 7.83 | -    | 0.2            | 0.28           | in. |
| <b>SV 200 L.1</b> | 209   | 178   | 91   | 82   | -    | -    | -              | -              | mm  |
|                   | 8.3   | 7     | 3.6  | 3.2  | -    | -    | -              | -              | in. |
| <b>SV 250.1</b>   | 257   | 232   | 108  | 101  | 248  | -    | 5              | 8              | mm  |
|                   | 10.1  | 9.2   | 4.3  | 4    | 9.76 | -    | 0.2            | 0.31           | in. |
| <b>SX 165 Neo</b> | 167,2 | 57,8  | 69,5 | 57,8 | 160  | 4,5  | 5,5            | 6,75           | mm  |
|                   | 6.58  | 2.28  | 2.74 | 2.28 | 6.3  | 0.18 | 0.22           | 0.27           | in. |

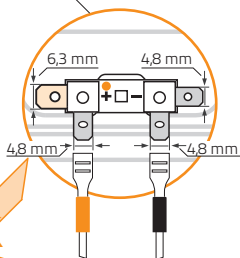
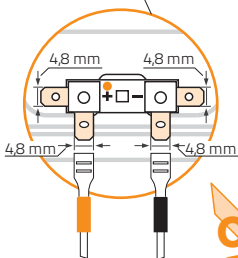
■ التثبيت / Монтаж / 安裝 / 安裝 / Montaža / Montáž / Montering / Montage / Mounting / Paigaldamine / Kiinnitys / Montage / Montage / Τοποθέτηση / הרכבה / Beszerelés / Pemasangan / Montaggio / マウント / 마운트 / Uzstādīšana / Montavimas / Montering / تعبیه / Montaž / Montagem / Montaj / Монтаж / Montáž / Namestitev / Montaje / Montering / การติดตั้ง / Montaj

**SV 165.1 / SV 165 Neo / SV 200.1 / SV 200 Neo / SV 200 L / SV 250.1 / SX 165 Neo**



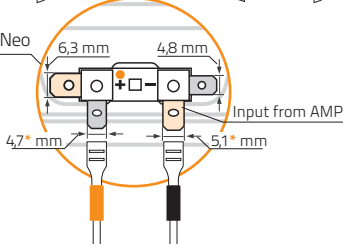
SV 165.1, SV 200.1,  
SV 200 L.1, SV 250.1  
SX 165 Neo

SV 200 Neo



OK

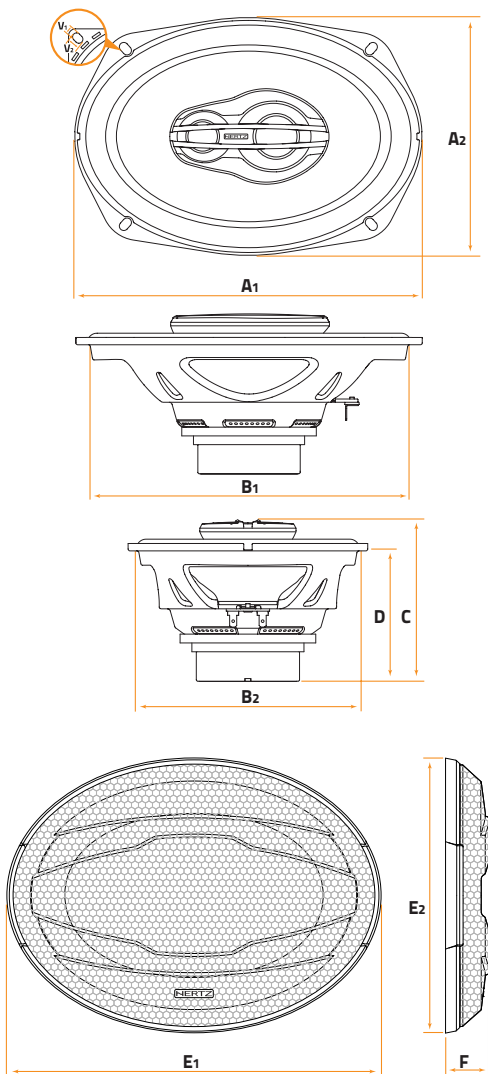
SV 165 Neo



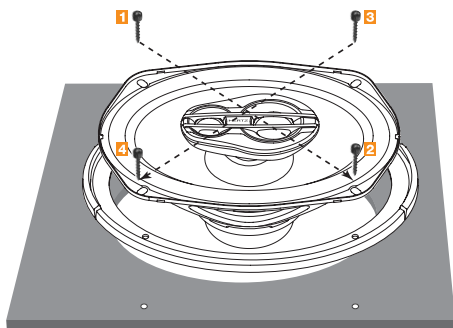
**NOTE:** \* Connection compatible with Harley Davidson®\*

\*Harley-Davidson® is a trademark of Harley-Davidson Motor Company, Inc.

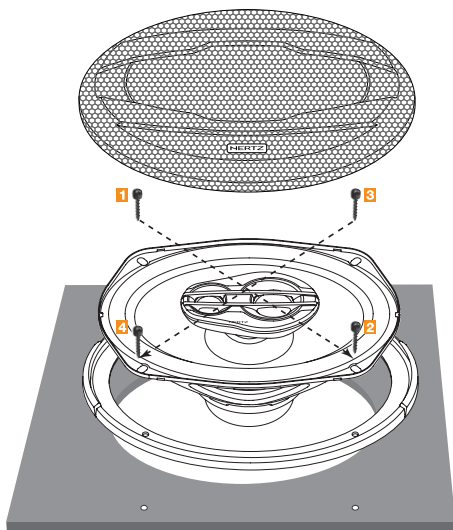
## SX 690 Neo / SX 690 Neo.1



## SX 690 Neo

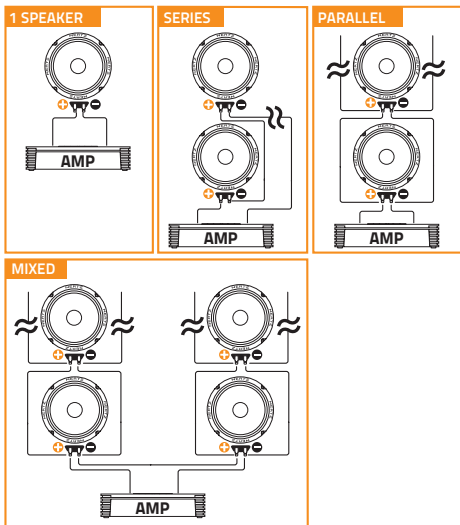


## SX 690 Neo.1



|              | A <sub>1</sub> | A <sub>2</sub> | B <sub>1</sub> | B <sub>2</sub> | C    | D    | E <sub>1</sub> | E <sub>2</sub> | F   | V <sub>1</sub> | V <sub>2</sub> |     |
|--------------|----------------|----------------|----------------|----------------|------|------|----------------|----------------|-----|----------------|----------------|-----|
| SX 690 Neo   | 237,5          | 163            | 225            | 154            | 93   | 85   | -              | -              | -   | 5,5            | 8,5            | mm  |
|              | 9.35           | 6.42           | 8.86           | 6.06           | 3.66 | 3.35 | -              | -              | -   | 0.22           | 0.33           | in. |
| SX 690 Neo.1 | 237,5          | 163            | 225            | 154            | 93   | 85   | 267            | 196            | 31  | 5,5            | 8,5            | mm  |
|              | 9.35           | 6.42           | 8.86           | 6.06           | 3.66 | 3.35 | 10.5           | 7.71           | 1.2 | 0.22           | 0.33           | in. |

التوصيلات / Свързвания / 連接 / 连接 / Spajanje / Připojení / Forbindelser / Verbindungen / Connections / Ühendused / Kytkenät / Connexions / Verbindungen / Συνδέσεις / חיבורים / Csatlakozók / Sambungan / Connessioni / 接続 / 연결 / Savienojumi / Jungtys / Tilkoblinger / اتصالات / Połączenia / Ligações / Conectarea / Подключения / Pripojenie / Vezave / Conexiones / Anslutningar / การเชื่อมต่อ / Bağlantılar

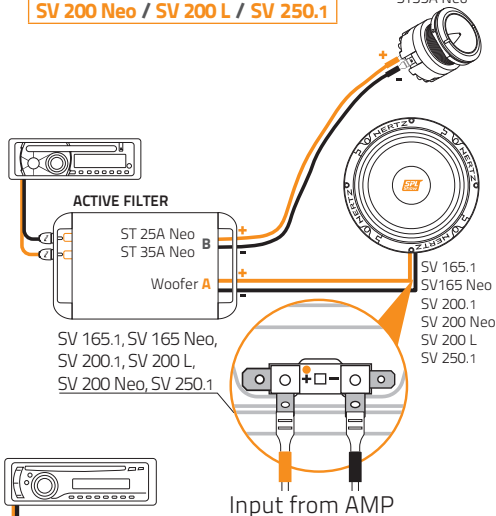


| FREE AIR DC RESISTANCE |           | ST 25A Neo<br>ST 25K Neo | ST 35A Neo<br>ST 35K Neo | SV 165.1 | SV 165 Neo | SV 200.1<br>SX 165 Neo | SV 200 Neo | SV 200 L | SV 250.1<br>SX 690 Neo<br>SX 690 Neo.1 |   |
|------------------------|-----------|--------------------------|--------------------------|----------|------------|------------------------|------------|----------|----------------------------------------|---|
| Series                 | 1 Speaker | 2,90                     | 3,3                      | 3,20     | 3,20       | 3,30                   | 3,20       | 3,35     | 3                                      | Ω |
|                        | 2 Speaker | 5,80                     | 6,6                      | 6,40     | 6,40       | 6,60                   | 6,40       | 6,70     | 6                                      | Ω |
|                        | 3 Speaker | 8,70                     | 9,9                      | 9,60     | 9,60       | 9,90                   | 9,60       | 10,05    | 9                                      | Ω |
|                        | 4 Speaker | 11,60                    | 13,2                     | 12,80    | 12,80      | 13,20                  | 12,80      | 13,40    | 12                                     | Ω |
| Parallel               | 2 Speaker | 1,50                     | 1,7                      | 1,60     | 1,60       | 1,65                   | 1,60       | 1,68     | 1,5                                    | Ω |
|                        | 3 Speaker | 1,00                     | 1,1                      | 1,07     | 1,10       | 1,10                   | 1,10       | 1,12     | 1                                      | Ω |
|                        | 4 Speaker | 0,70                     | 0,8                      | 0,80     | 0,80       | 0,83                   | 0,80       | 0,84     | 0,75                                   | Ω |
| Mixed                  | 4 Speaker | 2,90                     | 3,3                      | 3,2      | 3,20       | 3,30                   | 3,20       | 3,35     | 3                                      | Ω |
|                        | 6 Speaker | 1,90                     | 2,2                      | 2,1      | 2,10       | 2,20                   | 2,10       | 2,23     | 2                                      | Ω |
|                        | 8 Speaker | 1,50                     | 1,7                      | 1,6      | 1,60       | 1,65                   | 1,60       | 1,68     | 1,5                                    | Ω |

■ **ول والزائوية المقترحة** / **Свързване на системата** / **連接系統** / **连接系統**  
**/ Priključivanje sustava / Pripojení systému / Forbining af systemer**  
**/ Aansluiten van de systemen / Connecting the systems / Süsteemi**  
**ühendamine / Järjestelmän kytkeminen / Branchement du système /**  
**System anschließen / Σύνδεση του συστήματος / חיבור המערכת**  
**/ A rendszer csatlakoztatása / Menghubungkan sistem / Collegamenti**  
**dei filtri / システムの接続 / 시스템 연결 / Sistēmas pievienošana /**  
**Sistemas sujungimas / Oppkobling av systemet / هامتصل نموذجي**  
**/ Podłączając system / Ligar o sistema / Conexiunea sistemului /**  
**Подключение системы / Pripojenie systému / Priključevanje**  
**sistema / Conexión del sistema / Anslut systemet / ทำเล้งเชื่อมต่อยระบบ**  
**/ Sistemin bağlanması**

**SV 165.1 / SV 165 Neo / SV 200.1 /**  
**SV 200 Neo / SV 200 L / SV 250.1**

ST 25A Neo  
 ST35A Neo



## Best SPL performance filtering:

**SV 165.1 / SV 165 Neo:**

400 W Peak (Hi-Pass @ 200 Hz - 12 dB Oct.)

**SV 200.1 / SV 200 L.1 / SV 200 Neo / SV 250.1:**

500 W Peak (Hi-Pass @ 150 Hz - 12 dB Oct.)

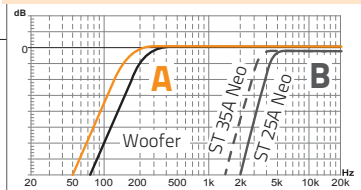
**ST 25A Neo:**

100 W Peak (Hi-Pass @ 5 kHz - 12 dB Oct.)

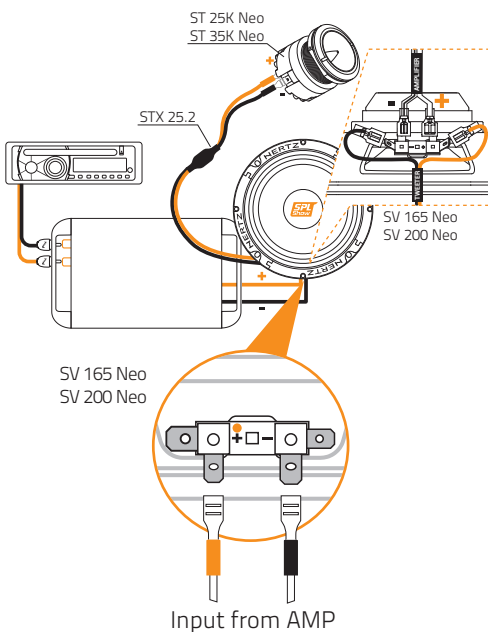
**ST 35A Neo:**

120 W Peak (Hi-Pass @ 4 kHz - 12 dB Oct.)

SV 165.1  
 SV 165 Neo  
 SV 200.1  
 SV 200 Neo  
 SV 200 L.1  
 SV 250.1



## ST 25K Neo or ST 35K Neo / SV 165 Neo / SV 200 Neo



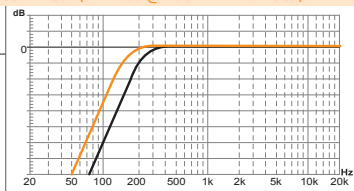
### Best SPL performance filtering:

#### SV 165 Neo:

400 W Peak ( Hi-Pass @ 200 Hz - 12 dB Oct.)

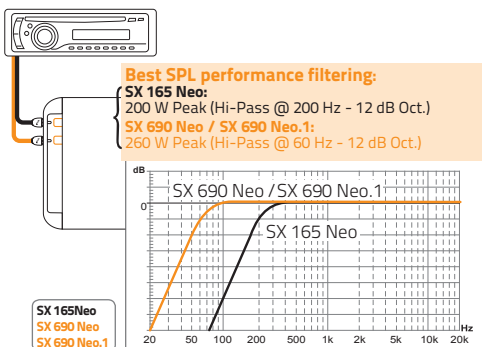
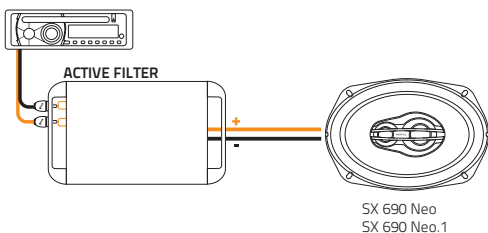
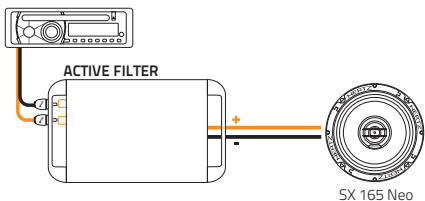
#### SV 200 Neo:

500 W Peak ( Hi-Pass @ 150 Hz - 12 dB Oct.)



SV 165 Neo  
SV 200 Neo

## SX 165 Neo / SX 690 Neo / SX 690 Neo.1



■ المواصفات الفنية / Технические спецификации / 技術規格 / 技术规格 / Tehnički podaci / Technické údaje / Tekniske spesifikationer / Technische specificaties / Technical specifications / Tehnilised andmed / Tekniset tiedot / Caractéristiques techniques / Technische daten / Τεχνικά χαρακτηριστικά / מפרט טכני / Műszaki adatok / Spesifikasi teknis / Specifiche tecniche / 技術仕様 / 기술 사양 / Tehniskā specifikācija / Techniniai duomenys / Tekniske spesifikasjoner / مشخصات فنی / Szczegóły techniczne / Especificações técnicas / Parametrii elctro-acustici / Технические условия / Technické informácie / Tehnične specifikacije / Especificaciones técnicas / Tekniska spesifikationer / ความต้องการทางเทคนิค / Teknik veriler

|                              | Component        | Size                          | Power handling                             |            | Impedance | Frequency response |
|------------------------------|------------------|-------------------------------|--------------------------------------------|------------|-----------|--------------------|
|                              |                  |                               | Peak                                       | Continuous |           |                    |
|                              |                  | mm (in.)                      | W                                          | W          | Ω         | Hz                 |
| <b>ST 25 Neo</b>             | Tweeter          | 25 (1)                        | 100 W Hi-pass filtered<br>5 kHz 12 dB Oct. |            | 4         | 3 ÷ 20k            |
| <b>ST 35 Neo</b>             | Tweeter          | 35 (1)                        | 120 W Hi-pass filtered<br>4 kHz 12 dB Oct. |            | 4         | 2 ÷ 20k            |
| <b>SV 165.1</b>              | Midrange         | 165 (6.5)                     | 400                                        | 200        | 4         | 100 ÷ 10k          |
| <b>SV 165 Neo</b>            | Midrange         | 165 (6.5)                     | 400                                        | 150        | 4         | 100 ÷ 10k          |
| <b>SV 200.1</b>              | Midrange         | 200 (8)                       | 500                                        | 250        | 4         | 100 ÷ 9k           |
| <b>SV 200 Neo</b>            | Midrange         | 200 (8)                       | 500                                        | 200        | 4         | 100 ÷ 8k           |
| <b>SV 200 L</b>              | Woofer           | 200 (8)                       | 500                                        | 250        | 4         | 45 ÷ 4.5k          |
| <b>SV 250.1</b>              | Midrange         | 250 (10)                      | 500                                        | 250        | 4         | 90 ÷ 7k            |
| <b>SX 165 Neo</b>            | Two Way Coaxial  | Woofer 165 (6.5)              | 200                                        | 100        | 4         | 100 ÷ 20k          |
|                              |                  | Tweeter 35 (1.4)              |                                            |            |           |                    |
| <b>SX 690 Neo</b>            | Three way System | Woofer 6" x 9"                | 260                                        | 130        | 4         | 65 ÷ 24k           |
|                              |                  | Tweeter diaphragm 35 (1.8)    |                                            |            |           |                    |
|                              |                  | Supertweeter diaphragm 25 (1) |                                            |            |           |                    |
| <b>SX 690 Neo.1 + Grille</b> | Three way System | Woofer 6" x 9"                | 260                                        | 130        | 4         | 65 ÷ 24k           |
|                              |                  | Tweeter diaphragm 35 (1.8)    |                                            |            |           |                    |
|                              |                  | Supertweeter diaphragm 25 (1) |                                            |            |           |                    |

# Owner's Manual

| Magnet size                            | Voice coil Ø | Magnet                     | Cone / Dome                                  | Weight of one component |
|----------------------------------------|--------------|----------------------------|----------------------------------------------|-------------------------|
| mm (in.)                               | mm (in.)     |                            |                                              | Kg (lb.)                |
| 25 x 7 (1.0 x 0.27)                    | 25,4 (1)     | Neodymium                  | Aluminium Dome                               | 0,39 (0.86)             |
| 34,5 x 7 (1.36 x 0.28)                 | 35 (1.4)     | Neodymium                  | Aluminium Dome                               | 0,53 (1.17)             |
| 110 x 45 x 20<br>(4.3 x 1.8 x 0.8)     | 38 (1.5)     | Hight density flux ferrite | Ultra Light pressed paper                    | 1,85 (4)                |
| 70 x 45 x 7<br>(2.73 x 1.77 x 0.28)    | 38,6 (1.5)   | Neodymium                  | Water repellent pressed paper + UV treatment | 0,9 (1.98)              |
| 130 x 60 x 20<br>(5.1 x 2.4 x 0.8)     | 38 (1.5)     | Hight density flux ferrite | Ultra Light pressed paper                    | 2,8 (6.2)               |
| 85 x 50 x 5<br>(3.35 x 50 x 6)         | 38,6 (1.5)   | Neodymium                  | Ultra Light pressed paper + UV treatment     | 1,25 (2.76)             |
| 120 x 60 x 20<br>(4.7 x 2.4 x 0.8)     | 50 (2)       | Hight density flux ferrite | Ultra Light pressed paper                    | 2,3 (5.1)               |
| 155 x 70 x 20<br>(6.1 x 2.8 x 0.8)     | 50 (2)       | Hight density flux ferrite | Ultra Light pressed paper                    | 4 (8.8)                 |
| 70 x 45 x 7 (2.76 x 1.77 x 0.28)       | 38 (1.2)     | Neodymium                  | Water repellent pressed paper cone           | 0,945 (2.08)            |
| 70 x 45 x 7 (2.76 x 1.77 x 0.28)       | 28 (1.1)     |                            | PEI Dome                                     |                         |
| 110 x 45 x 20<br>(4.33 x 1.77 x 0.79)  | 38 (1.5)     | Neodymium                  | Water repellent pressed paper cone           | 1,34 (2.95)             |
| 24,5 x 6 x 3,5<br>(0.96 x 0.24 x 0.14) | 28 (1.1)     |                            | Tetolon Dome                                 |                         |
| 19 x 3 (0.75 x 0.12)                   | 20 (0.8)     |                            |                                              |                         |
| 110 x 45 x 20<br>(4.33 x 1.77 x 0.79)  | 38 (1.5)     | Neodymium                  | Water repellent pressed paper cone           | 1,34 (2.95)             |
| 24,5 x 6 x 3,5<br>(0.96 x 0.24 x 0.14) | 28 (1.1)     |                            | Tetolon Dome                                 |                         |
| 19 x 3 (0.75 x 0.12)                   | 20 (0.8)     |                            |                                              |                         |

■ المَعْلَمَات الكهرو صوتية / Електро-акустични параметри / 電聲參數  
 / 电声参数 / Elektro-akustički parametri / Elektroakustické parametry /  
 Electro-Acoustic parametre / Elektro-akoestische parameters / Electro-  
 Acoustic parameters / Elektroakustilised parameetrid / Sähköakustiset  
 parametrit / Paramètres électro-acoustiques / Elektro-akustische Parameter  
 / Ηλεκτρο-ακουστικές παράμετροι / פאראמעטערס אלקטראקוסטישע / Elektro-  
 akusztikus paraméterek / Parameter elektro-akustik / Parametri  
 elettroacustici / 電気音響パラメータ / 전자 어쿠스틱 파라미터 / Elektro-  
 akustiskie parametri / Elektriniai-akustiniai parametrai / Elektro-akustiske  
 parametre / پارامترهای الکتروآکوستیکی / Parametry elektro-akustyczne / Parâmetros  
 electro-acústicos / Specificatii tehnice / Электроакустические параметры  
 / Elektro-akustické parametre / Elektro-akustični parametri / Parâmetros  
 electroacústicos / Elektroakustiska parametrar / อิเล็กโทรอะคูสติก พารามิเตอร์  
 / Elektro-aküstik parametreler

|                       | ST 25A Neo<br>ST 25K Neo | ST 35A Neo<br>ST 35K Neo | SV 165.1 | SV 165 Neo | SV 200.1 | SV 200 Neo | SV 200 L | SV 250.1 | SX 165 Neo | SX 690 Neo<br>SX 690 Neo.1 |
|-----------------------|--------------------------|--------------------------|----------|------------|----------|------------|----------|----------|------------|----------------------------|
| D<br>mm               | 35,5                     | 46                       | 128      | 128        | 168      | 168        | 168      | 209      | 128        | 169                        |
| Sd<br>Cm <sup>2</sup> | 86                       | 166                      | 128,68   | 128,68     | 221,67   | 221,67     | 221,67   | 343,07   | 128,68     | 224,32                     |
| Xmax<br>mm            | -                        | -                        | 1,2      | 1,5        | 1,5      | 2,7        | 4,5      | 3        | 1,5        | 5,5                        |
| Re<br>Ω               | 2,9                      | 3,3                      | 3,2      | 3,2        | 3,3      | 3,2        | 3,35     | 3        | 3,3        | 3                          |
| Fs<br>Hz              | 3900                     | 4000                     | 110      | 110        | 120      | 120        | 44       | 90       | 110        | 65                         |
| Le<br>mH              | 0,03                     | 0,02                     | 0,06     | 0,06       | 0,06     | 0,06       | 0,22     | 0,07     | 0,061      | 0,4                        |
| Vas<br>l              | -                        | -                        | 4,65     | 3,55       | 7,5      | 8,1        | 29       | 20       | 4,92       | 11,29                      |
| Mms<br>g              | -                        | -                        | 10,4     | 14,7       | 16,5     | 19,9       | 31,5     | 26,5     | 10,14      | 36,1                       |
| Cms<br>mm/N           | -                        | -                        | 0,2      | 0,15       | 0,1      | 0,12       | 0,42     | 0,12     | 0,21       | 0,16                       |
| BL<br>T.m             | 2,05                     | 3,5                      | 6,5      | 6,5        | 8,3      | 8,8        | 8,60     | 10,7     | 5,83       | 7,665                      |
| Qts                   | -                        | -                        | 0,5      | 0,58       | 0,55     | 0,52       | 0,33     | 0,4      | 0,64       | 0,62                       |
| Qes                   | -                        | -                        | 0,55     | 0,62       | 0,58     | 0,55       | 0,36     | 0,42     | 0,68       | 0,78                       |
| Qms                   | -                        | -                        | 5,53     | 8,7        | 10,3     | 7,4        | 3,32     | 12,1     | 9,7        | 2,9                        |
| Spl<br>dB             | 107                      | 109                      | 97       | 97         | 100      | 100        | 94,5     | 101      | 96,5       | 94                         |

All Specifications Subject to Change Without Notice

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**HERTZ**

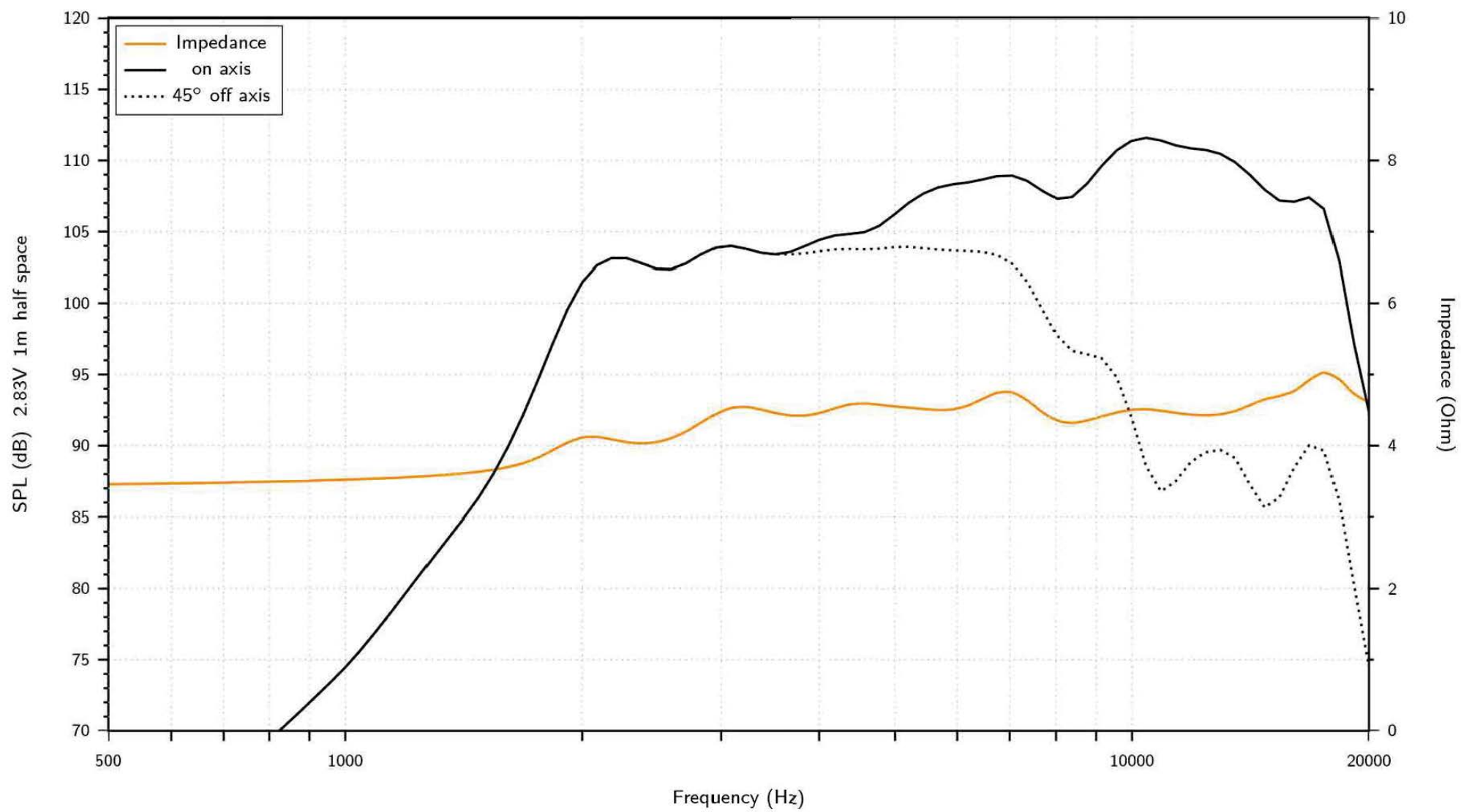
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www.elettromedia.it



# ST 35A NEO

HIGH EFFICIENCY COMPRESSION DRIVER

120 W



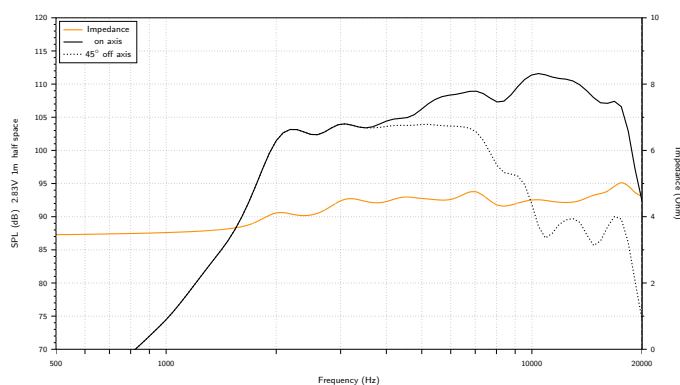
## TECHNICAL SPECIFICATIONS

| Component                |           | High Efficiency Compression Driver        |
|--------------------------|-----------|-------------------------------------------|
| Size                     | mm (in.)  | 46 (1.8)                                  |
| Power Handling           | W peak    | 120 Hi-pass filtered @ 5 kHz - 12 dB Oct. |
| Impedance                | $\Omega$  | 4                                         |
| Frequency Response       | Hz        | 2k ÷ 20k                                  |
| Sensitivity              | dB/SPL    | 109                                       |
| Voice Coil $\varnothing$ | mm (in.)  | 35 (1.4)                                  |
| Magnet                   | Neodymium |                                           |
| Dome/Cone                | Aluminium |                                           |
| Weight of one component  | kg (lb.)  | 0,53 (1.17)                               |

## ELECTRO-ACOUSTIC PARAMETERS

|     |            |      |
|-----|------------|------|
| D   | mm         | 46   |
| Re  | $\Omega$   | 3,3  |
| Fs  | Hz         | 4000 |
| Le  | mH @ 1 kHz | 0,02 |
| Vas | l          | -    |
| Mms | g          | -    |
| Cms | mm/N       | -    |
| BL  | T·m        | 3,5  |
| Qts |            | -    |
| Qes |            | -    |
| Qms |            | -    |
| Spl | dB         | 109  |

1. Powerful Neodymium magnet providing high performance with compact size.
2. FEM (Finite Element Method) optimized phase-plug and loading horn.
3. CCAR (Copper Clad Aluminium Ribbon) voice coil for unheard-of thermal and mechanical capability ready for an easy replacement with replacement body kit.
4. Extra-light aluminium membrane to maximize SPL with high current, screw terminals.
5. Body waterproofing and anti-UV treatment to allow safe outdoor use without discoloration over time.
6. Aluminium back cover for superior heat dissipation.
7. Impressive low frequency extension and efficiency.



UV  
RESISTANT



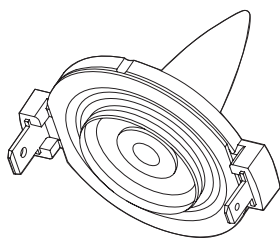
HUMIDITY  
RESISTANT



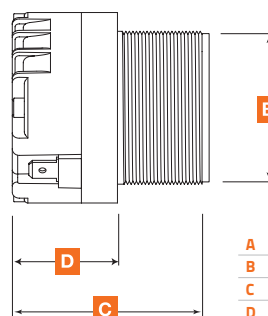
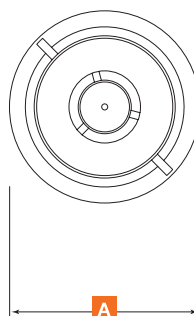
THERMAL  
SHOCK  
RESISTANT



VIBRATION  
PROOF



Vc 35 Neo  
Voice-Coil  
Replacement  
Available



|   |         |          |
|---|---------|----------|
| A | 69 mm   | 2.72 in. |
| B | 52 mm   | 2.05 in. |
| C | 65,7 mm | 2.59 in. |
| D | 33,3 mm | 1.31 in. |