



hertzaudiovideo.com



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 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.

■ 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:

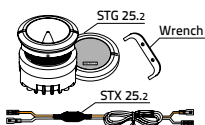
- продукт поврежден в результате инцидентов, не касающихся материалов или производственных дефектов;
- продукт изменен или фальсифицирован неуполномоченными лицами;
- его серийный номер изменен или стерт.

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.

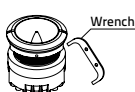
Owner's Manual

محتويات العبوة / Съдържание на опаковката / 包裝內容 / 内装物 /
 Sadržaj pakiranja / Obsah balení / Pakkensisindhold / 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



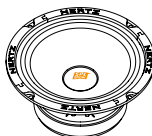
SV 165.1



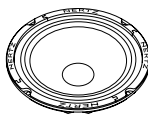
SV 165 Neo



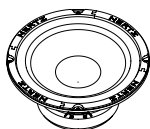
SV 200.1



SV 200 Neo



SV 200L.1



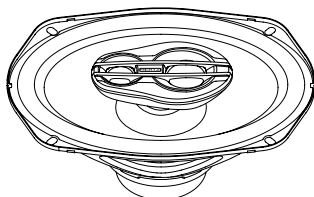
SV 250.1



SX 165 Neo

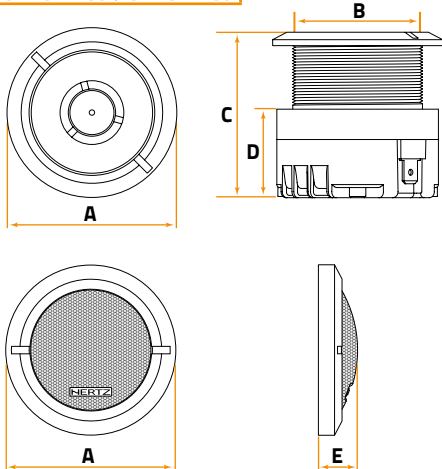


SX 690 Neo



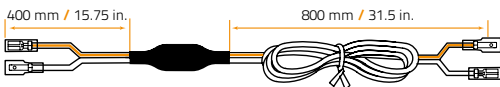
■ الحجم / Размер / 尺寸 / 規格 / Veličina / Velikost / Størrelse / Afmetingen / Size / Suurus / Koko / Dimensions / Größe / Διαστάσεις / اندازه / Méretek / Ukuran / Ingombro / サイズ / 크기 / Izmērs / Dydis / Størrelse / גודל / Wielkość / Dimensão / Dimensiuni / Размер / Rozměry / Velikost / Tamaño / Storlek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

ST 25K Neo / ST 25A Neo



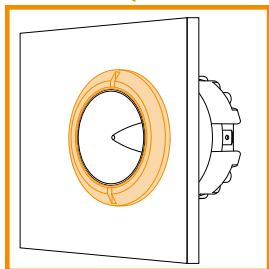
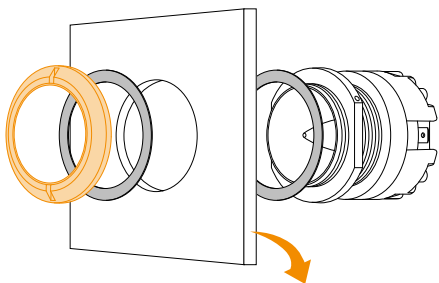
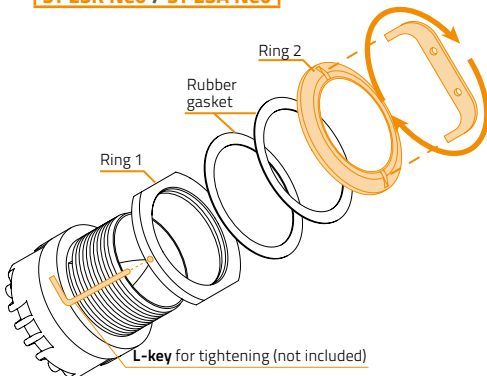
	A	B	C	D	E	
ST 25K Neo	57	43,5	55,5	29,7	-	mm
ST 25A Neo	2.24	1.71	2.19	1.17	-	in.
STG 25 Neo	57	-	-	-	13,1	mm
	2.24	-	-	-	0.52	in.

STX 25.2

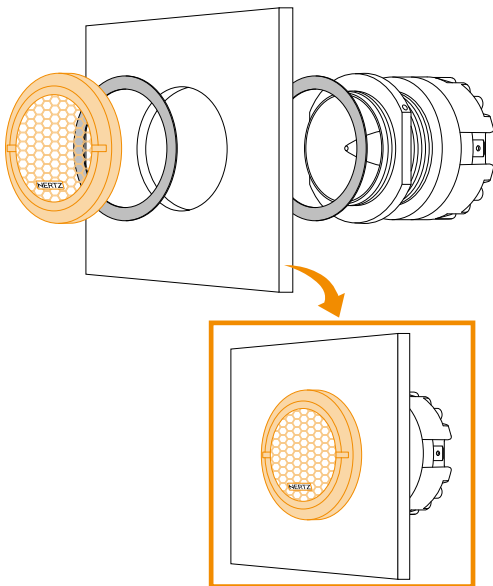
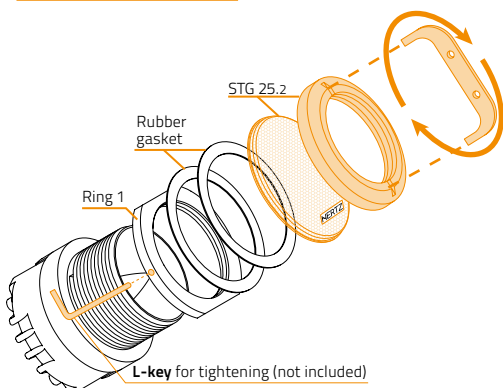


■ التثبيت / Монтаж / 安裝 / 安裝 / Montaža / Montáž / Montering / Montage / Mounting / Paigaldamine / Kiinnitys / Montage / Montage / Τοποθέτηση / הרכבה / Beszerelés / Pemasangan / Montaggio / マウント / 마운트 / Uzstādīšana / Montavimas / Montering / تعبیه / Montaž / Montagem / Montaj / Монтаж / Montáž / Namestitev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

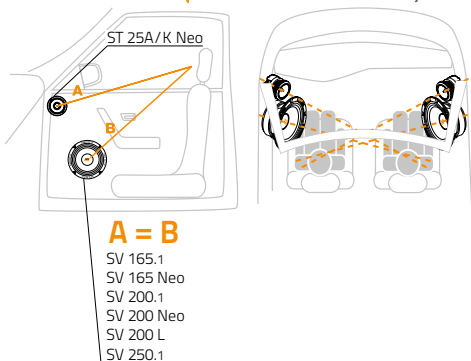
ST 25K Neo / ST 25A Neo



ST 25K Neo + STG 25.2



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

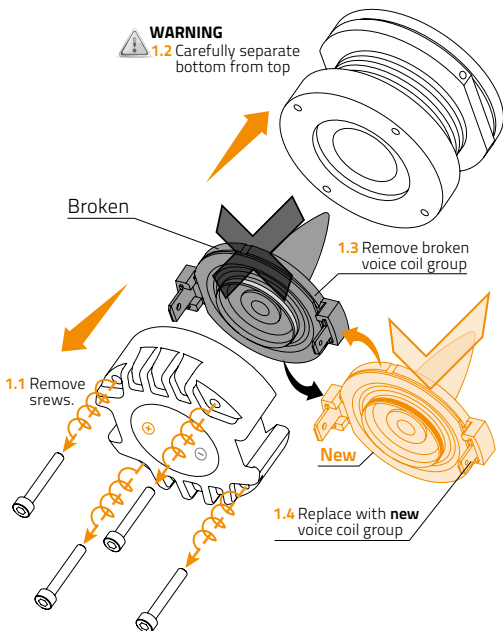


التوصيلات / Свързвания / 連接 / 连接 / Spajanje / Připojení / Forbindelser / Verbindingen / Connections / Ühendused / Kytkenät / Connexions / Verbindungen / Συνδέσεις / חיבורים / Csatlakozók / Sambungan / Connessioni / 接続 / 연결 / Savienojumi / Jungtys / Tilkoblinger / اتصالات / Połączenia / Ligações / Conectarea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



REPLACEMENT OF VOICE COIL GROUP

1. Disassembly

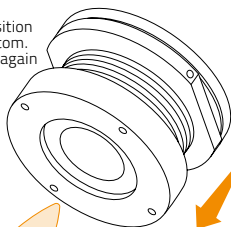


2. Re-assembly



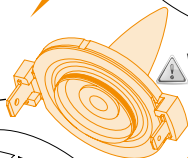
WARNING

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



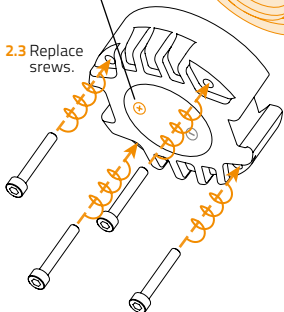
WARNING

2.1 Carefully insert new voice coil group into bottom



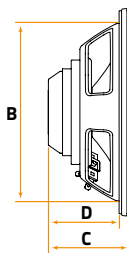
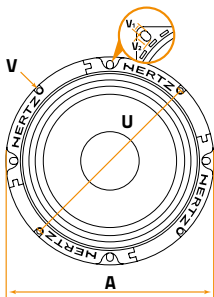
+ = 6.3mm terminal

2.3 Replace screws.

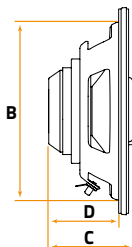
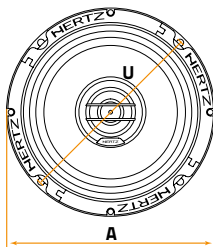


الحجم / Размер / 尺寸 / 規格 / Velčina / Velikost / Størrelse / Afmetingen / Size / Suurus / Koko / Dimensions / Größe / Διαστάσεις / اندازه / Méreték / Ukuran / Ingombro / サイズ / 크기 / Izmērs / Dydis / Størrelse / גודל / Wielkość / Dimensião / Dimensiuni / Размер / Rozměry / Velikost / Tamaño / Storlek /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

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



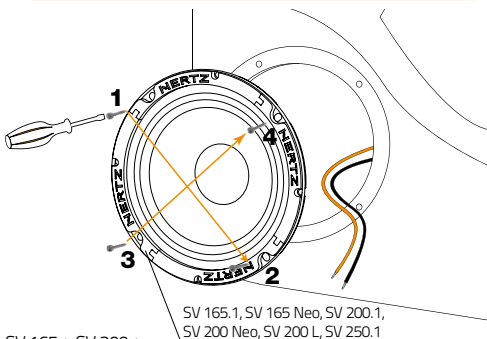
SX 165 Neo



	A	B	C	D	U	V	V ₁	V ₂	
SV 165.1	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.
SV 165 Neo	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.
SV 200.1	209	184	97	90	199	-	5	7	mm
	8.3	7.3	3.8	3.5	7.83	-	0.2	0.28	in.
SV 200 Neo	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.
SV 200 L.1	209	178	91	82	-	-	-	-	mm
	8.3	7	3.6	3.2	-	-	-	-	in.
SV 250.1	257	232	108	101	248	-	5	8	mm
	10.1	9.2	4.3	4	9.76	-	0.2	0.31	in.
SX 165 Neo	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.

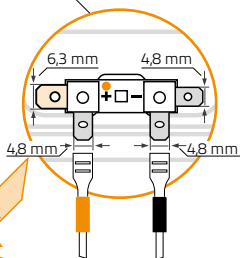
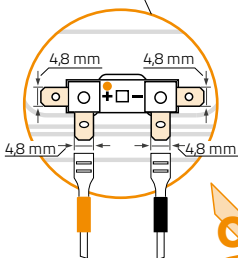
■ التثبيت / Монтаж / 安裝 / 安裝 / Montaža / Montáž / Montering / Montage / Mounting / Paigaldamine / Kiinnitys / Montage / Montage / Τοποθέτηση / הרכבה / Beszerelés / Pemasangan / Montaggio / マウント / 마운트 / Uzstādīšana / Montavimas / Montering / تعبیه / Montaž / Montagem / Montaj / Монтаж / Montáž / Namestitev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

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



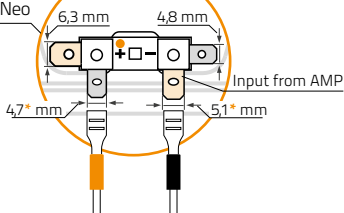
SV 165.1, SV 200.1,
SV 200 L.1, SV 250.1
SX 165 Neo

SV 200 Neo



OK

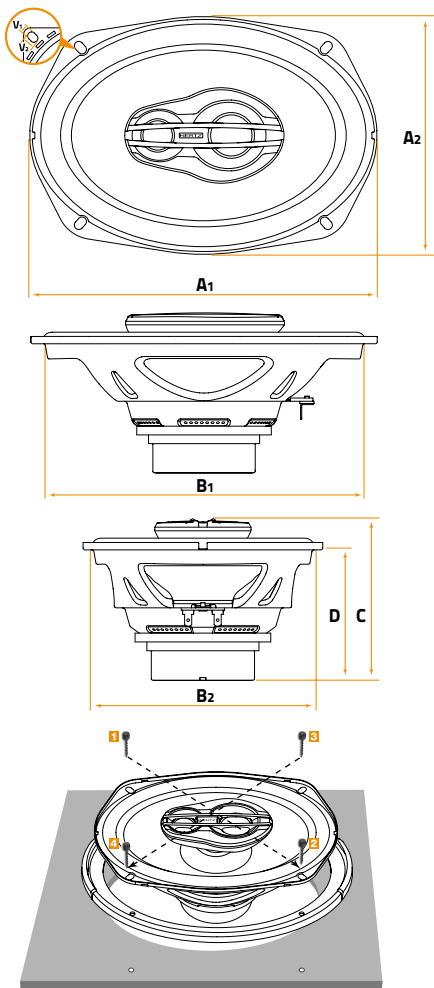
SV 165 Neo



NOTE: * Connection compatible with Harley Davidson®*

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

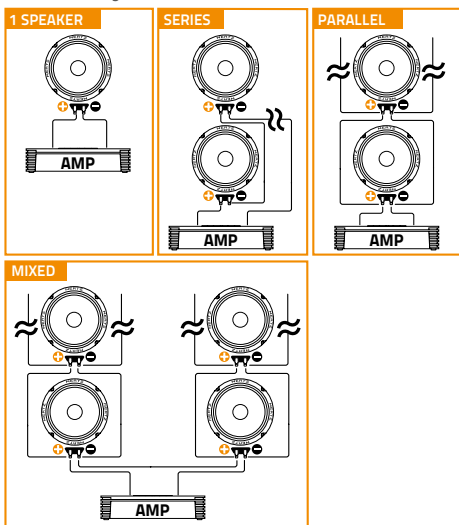
SX 690 Neo



	A1	A2	B1	B2	C	D	V1	V2	
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.

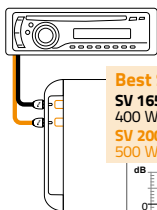
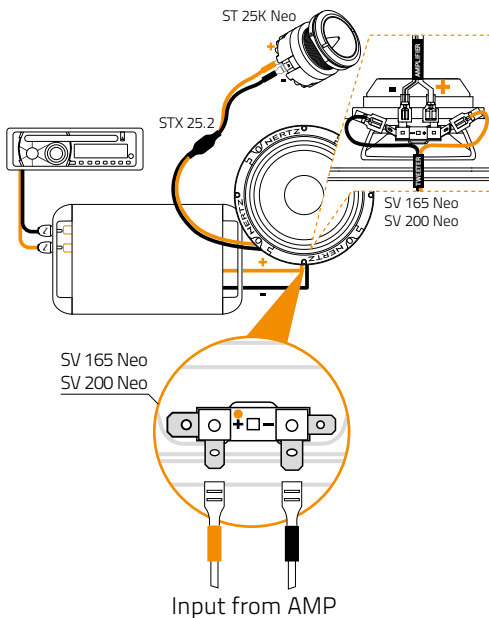
Owner's Manual

التوصيلات / Свързвания / 連接 / 连接 / Spajanje / Pripojení / 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	ST 25K Neo	SV 165.1	SV 165 Neo	SV 200.1	SX 165 Neo	SV 200 Neo	SV 200 L	SV 250.1	SX 690 Neo	
Series	1 Speaker	2,90	3,20	3,20	3,30	3,20	3,35	3	Ω			
	2 Speaker	5,80	6,40	6,40	6,60	6,40	6,70	6	Ω			
	3 Speaker	8,70	9,60	9,60	9,90	9,60	10,05	9	Ω			
	4 Speaker	11,60	12,80	12,80	13,20	12,80	13,40	12	Ω			
Parallel	2 Speaker	1,50	1,60	1,60	1,65	1,60	1,68	1,5	Ω			
	3 Speaker	1,00	1,07	1,10	1,10	1,10	1,12	1	Ω			
	4 Speaker	0,70	0,80	0,80	0,83	0,80	0,84	0,75	Ω			
Mixed	4 Speaker	2,90	3,2	3,20	3,30	3,20	3,35	3	Ω			
	6 Speaker	1,90	2,1	2,10	2,20	2,10	2,23	2	Ω			
	8 Speaker	1,50	1,6	1,60	1,65	1,60	1,68	1,5	Ω			

ST 25K Neo / SV 165 Neo / SV 200 Neo



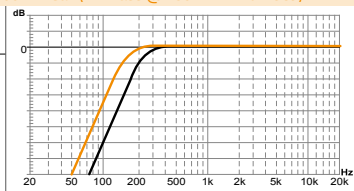
Best SPL performance filtering:

SV 165 Neo:

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

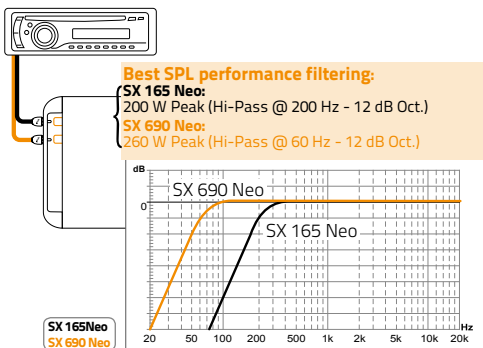
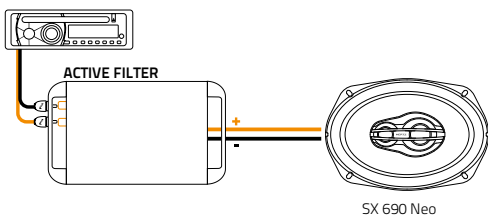
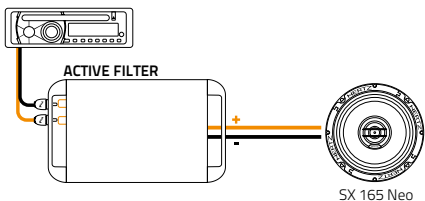
SV 200 Neo:

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



SV 165 Neo
SV 200 Neo

SX 165 Neo / SX 690 Neo



■ المعلمات الكهرو صوتية / Elektro-akustični parametri / 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 / پارامترهای الکتروآکوستیکی /
 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
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 / Parâmetros electroacústicos / Elektroakustiska parametrar / อิเล็กโทรอคู
 สติก พารามิเตอร์ / Elektro-akustik parametreler

	ST 25A Neo ST 25K 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
D mm	35,5	128	128	168	168	168	209	128	169
Sd Cm ²	8,6	128,68	128,68	221,67	221,67	221,67	343,07	128,68	224,32
Xmax mm	-	1,2	1,5	1,5	2,7	4,5	3	1,5	5,5
Re Ω	2,9	3,2	3,2	3,3	3,2	3,35	3	3,3	3
Fs Hz	3900	110	110	120	120	44	90	110	65
Le mH	0,03	0,06	0,06	0,06	0,06	0,22	0,07	0,061	0,4
Vas l	-	4,65	3,55	7,5	8,1	29	20	4,92	11,29
Mms g	-	10,4	14,7	16,5	19,9	31,5	26,5	10,14	36,1
Cms mm/N	-	0,2	0,15	0,1	0,12	0,42	0,12	0,21	0,16
BL T•m	2,05	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 dB	107	97	97	100	100	94,5	101	96,5	94

■ المواصفات الفنية / Технически спецификации / 技術規格 / 技术规格 / Tehnički podaci / Technické údaje / Tekniske specifikationer / 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 specifikationer / ความต้องการทางเทคนิค / Teknik veriler

	Component	Size	Power handling		Impedance	Frequency response
			Peak	Continuous		
		mm (in.)	W	W	Ω	Hz
ST 25 Neo	Tweeter	25 (1)	100 W Hi-pass fitered 5 kHz 12 dB Oct.		4	3 ÷ 20k
SV 165.1	Midrange	165 (6.5)	400	200	4	100 ÷ 10k
SV 165 Neo	Midrange	165 (6.5)	400	150	4	100 ÷ 10k
SV 200.1	Midrange	200 (8)	500	250	4	100 ÷ 9k
SV 200 Neo	Midrange	200 (8)	500	200	4	100 ÷ 8k
SV 200 L	Woofer	200 (8)	500	250	4	45 ÷ 4.5k
SV 250.1	Midrange	250 (10)	500	250	4	90 ÷ 7k
SX 165 Neo	Two Way Coaxial	Woofer 165 (6.5)	200	100	4	100 ÷ 20k
		Tweeter 35 (1.4)				
SX 690 Neo	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)
110 x 45 x 20 (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 (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 (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 (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 (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 (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 (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 (0.96 x 0.24 x 0.14)	28 (1.1)		Tetolon Dome	
19 x 3 (0.75 x 0.12)	20 (0.8)			



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All Specifications Subject to Change Without Notice

ST 25K NEO

HIGH EFFICIENCY COMPRESSION DRIVER

100 W

TECHNICAL SPECIFICATIONS

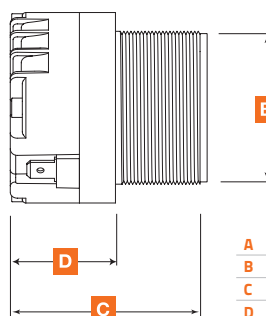
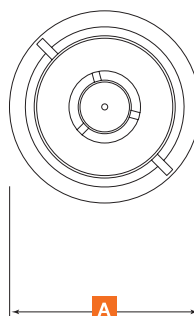
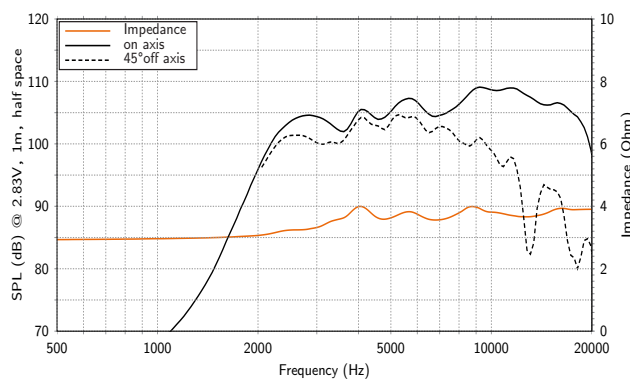
Component		High Efficiency Compression Driver
Provided inline crossover		Hi-pass filter @ 9 kHz - 6 dB Oct.
Size	mm (in.)	44 (1.8)
Power Handling	W peak	100 Hi-pass filtered @ 5 kHz - 12 dB Oct.
Impedance	Ω	4
Frequency Response	Hz	3k ÷ 20k
Sensitivity	dB/SPL	107
Voice Coil $\varnothing$	mm (in.)	25 (1)
Magnet	Neodymium	
Dome	Aluminium	
Weight of one component	kg (lb.)	0,39 (0.86)

ELECTRO-ACOUSTIC PARAMETERS

D	mm	35,5
Re	Ω	2,9
Fs	Hz	3900
Le	mH @ 1 kHz	0,03
Vas	l	-
Mms	g	-
Cms	mm/N	-
BL	T·m	2,05
Qts		-
Qes		-
Qms		-
Spl	dB	107



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. "Kit" version with metallic mesh grille and inline crossover filter included.



A	57 mm	2.24 in.
B	43,5 mm	1.7 in.
C	55,5 mm	2.19 in.
D	29,7 mm	1.17 in.

