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CATALOGUE 24.0

THE SOUND EXPERIENCE

HERTZ

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Hertz was founded in 1998 by a team of Italian 12 volts industry specialists with a specific mission in mind: to bring the real Sound Experience to the fans lives.

Since the beginning, passion for mobile audio was the essential driving force leading Hertz design centre, located in Italy, to win the never-ending challenge of innovation using the most advanced technologies.

Each new project starts from the enthusiasts’ needs and is developed to connect them straight to the unique lifestyle devoted to pursuing mobile listening pleasure: The Hertz Sound Experience.
The Sound Experience

1000 MILLE
100 CENTO
10 DIECI
1 UNO
SPL

eID, the exclusive technology providing the traceability of Hertz products from their birth onwards gives the user the certainty of owning a genuine Hertz product.

SCAN, DISCOVER, IDENTIFY
Mille
1000
HI-END LISTENING PLEASURE

Cento
100
THE AUTHENTIC HERTZ SOUND FOR THE ENTHUSIASTS

dieci
10
SATISFYING EVERY NEED, IN EVERY CAR

UNO
1
WHERE THE SOUND EXPERIENCE BEGINS

SPL Show
A WALL OF SOUND ANYWHERE YOU LIKE!
Since its introduction in 1999, the Mille line always had one goal: to be a reference for the enthusiasts. Mille is a continuous challenge driven by Hertz passion for absolute performance constantly improved by technology that makes real difference in your car.
**V-CONE®**
Prevents the cone from deforming during its excursion, ensuring an ideal "piston-like" movement, thus maximizing the production of acoustic pressure. The exponential profile of woofer and mid-range, lacking the traditional dust-cap, is close to perfection, generating exceptional dispersion at mid-high frequencies.

**BOUNDARY FREE SURROUND**
Designed to achieve a wider emission surface of the cone compared to speakers’ traditional surround design of the same size; in that way, the cone moves a bigger mass of air, producing more acoustic pressure. Highly pure IIR butyl rubber material has been accurately selected, ensuring optimal transient response damping and constant performance through wide working temperature range.

**ALUMINIUM ALLOY BASKET**
The compact anti-resonant alloy basket features decompression of the air volume below the spider through venting holes. When these are combined with the motor vented system, they allow the cone to move as free as it needs making long excursions, eliminating every distortion due to acoustic compression phenomena. The structure self-standing geometry adds to the overall mechanical damping, resulting absolutely transparent to sound.

**ALUMINIUM SHORTING RING**
Mille Legend woofer and subwoofer employ an aluminium ring to reduce the “modulated inductance” phenomenon. Thanks to air gap reduction, the motor energy transferred to the voice coil is increased, resulting in the most accurate reproduction of musical nuances.
HUGE SUBWOOFER VOICE COIL
Mille Legend subs feature a CCAW (Copper Clad Aluminium Wire) 100 mm (4”) voice coil to ensure unparalleled heat dissipation capability and a better stability of the mobile equipment during extended excursions, avoiding undesired resonances, such as the well known "rocking mode".

NEODYMIUM MAGNET
The motor assembly of Mille Legend speakers, as well as subwoofers, expands around a high thermal threshold Neodymium ring with unique sizes ensuring absolute thermal stability, bursting dynamics and total absence of dynamic compression.

DIE-CAST ALUMINIUM FACEPLATE TWEETER AND CASE
Mille Legend tweeter case and faceplate are totally made up of die-cast aluminium, for a mechanically inert, acoustically transparent structure. Faceplate geometry profile is optimized with FEA simulations to improve frequency response linearity and off-axis dispersion.
Mille line woofers are made for the enthusiasts looking for extreme performance guaranteed by an exceptional power handling and a compression-free reproduction even in the most demanding musical passages.

Mille Legend crossover is made by extremely high quality components like bi-metallized polyester film capacitors and air wound inductors for maximum sound transparency.

**Hertz-audio.com**

**MLCX 2 TW**
CROSSOVER
300 W

**ML 1650.3**
COMP WOOFER
250 W

**ML 1800.3**
COMP WOOFER
400 W

36/50 mm (1.4” / 2”)
WOOFER VOICE COIL

Grille provided
Mille Legend system components combine very high dynamics with extremely extended frequency response, featuring maximum timbre consistency.
MLK 165.3
2 WAY SYSTEM
300 W

Grille provided
ML 2000.3
SUBWOOFER
1400 W

100 mm (4")
SUBWOOFER VOICE COIL

MLG 2000.3
MLG 2500.3
optional grille

MG 200.3
MG 250.3
optional grille
Mille Legend subwoofers produce powerful undistorted bass free of dynamic compression. Thanks to their innovative design they are optimized to play in a compact box combining reference performance and ease of installation.
MP 28.3 Mille Pro 28 mm diameter tweeter component inherited all the technological features of the Mille Legend ML 28.3. The geometry of the Tetolon dome maximizes the typical dispersion of off-axis listening. The "Center Tuning Duct" exchanges air between dome and rear load chamber fine-tuning the acoustics to perfection. The result is a low crossover frequency with the woofer for a realistic sound stage.

MP 70.3 wide frequency extension makes it the perfect combination for the powerful mid-low of the MP 165.3 woofer as well as the detailed high range of the MP 25.3 tweeter.
The MP 165P.3 woofer component has been forged to give it the pure and solid sound of an authentic mid-bass, designed for high dynamic systems. The voice coil, with a generous 14 mm height, provides a nominal 3Ω impedance to maximally exploit any kind of amplifier.

Designed to ensure a wide low frequency response, even in cars with no space for a subwoofer, MP 165.3 woofer boasts outstanding dispersion features and generates high SPL within compact dimensions.
Mille Pro system components have been designed to ensure a wide low frequency response thanks to the V-cone® and Boundary Free Surround technologies boasting outstanding dispersion features and high SPL.
Mounting Accessories provided with MPK 130.3, MPK 165.3, MPK 165P.3, MPK 163.3.

MPK 163.3
3 WAY SYSTEM
300 W
Thanks to the “Center Tuning Duct” geometry, the tweeter resonance frequency is especially low and the employment of damping materials provides for a linear acoustic emission. The acoustic lens optimizes its off-axis response, which is typical with door installations of coax speakers; the 36 mm diameter woofer generates deep and controlled bass frequencies.

The **MPX 165.3 coax concentric tweeter**, allows for one single linear-phase emission point, for a natural timbre providing a detailed sound stage.
The three-way MPX 690.3 coaxial, optimized for rear deck mount, features a 28 mm Tetolon tweeter with Neodymium magnet and faceplate profile maximizing the off-axis dispersion. A supertweeter strengthens the emission of very high frequencies and the basket radial venting system ensures low operating temperatures. The sound has an impressive impact and ensures perfect control, also with extensive high dynamic listening.
ULTRA SHALLOW SUBWOOFER
Mille PRO shallow subwoofers have been designed to achieve exceptional performance even when there is very little space available to install the subwoofer box. This exceptional target has been achieved thanks to the ingenious suspension group design featuring a dedicated support structure for spider and coil. This solution has allowed to move the magnetic group inwards, reducing the depth and at the same time maximizing cone linear excursion.

AIR (Air Intercooling Revolution) technology, optimizing the fluid dynamics of the inner acoustic structure and the magnetic group to minimize the internal compression of air and maximize cooling capacity.

DIE-CAST ALUMINIUM FRAME
The non-vented rear design with solid horizontal 8AWG spring-loaded terminals allow reduced enclosure depth.
DEDICATED SEALED ENCLOSURE
The panel-to-panel internal bracing on all sides of the box featuring solid corners minimize resonances. The internal sound-absorbing material virtually increases the volume of the box and further damp acoustic resonances. 15 mm (0.59 in.) wood thickness provides an incomparable robustness.

2S² (2 Sides/2 Sounds) design provides the ability to choose between up-firing install to obtain more punch and definition and down-firing mounting, through supplied feet with Hook-and-loop inserts, to increase the low-frequency extension.

Thanks to SSP (Sub Smart Plug), MPBX feature both Plug-&-Play terminal block and traditional push terminals providing bulletproof connection and quick release.
MILLE PRO SHALLOW SUBWOOFERS
The new MPS (Mille PRO Shallow) subwoofers have a depth/performance ratio never achieved before thanks to the impressive cone excursion capacity which is 20% higher than a traditional design.

OPTIMIZED FOR EXTREMELY COMPACT ENCLOSURE
The subwoofers are optimized to work in ultra-compact sealed boxes starting from only 14 Lt (0.49 Cf) for 10’ models (MPS 250) and 22,7 (0.8 Cf) for 12’ models (MPS 300).

GRILLE INCLUDED
Robust screw-less mesh grille included with black screws provided.

38-MM 6-LAYER VOICE COIL
The 6 layers, 1.5 in. (38 mm) voice-coil with cooling holes on the former contributes to the thermal stability of the subwoofer, making MPS subs ready to face to most demanding high-SPL listening session.

MPS 250 S2/S4
SHALLOW SUBWOOFER
1000 W
MPS subwoofers are the best option when there is very little space available.
Mille Pro

MILLE PRO ULTRA SHALLOW SEALED BOX
Mille PRO ultra-shallow sealed enclosures are specifically optimized deliver all the MPS subwoofers performance.

MPBX 250 S2
PASSIVE SHALLOW BOX SUBWOOFER
1000 W
MPBX 300 S2
PASSIVE SHALLOW BOX SUBWOOFER

1000 W

Robust screw-less mesh grille included

Round corners to ease the placement

2S² (2 Sides/2 Sounds) design provides the ability to choose between up-firing and down-firing install.
Outstanding performance in a compact size, this is Mille Pro Subwoofers’ target. On the strength of its know-how acquired with Mille Legend, the R&D team optimized the production process to offer the “Hertz Sound Experience” to a wider audience using part of the technologies and materials of the flagship line.

**65-MM 4-LAYER VOICE COIL**

The 65-mm 4-layer voice coil is higher than 60 mm and wound in a TIL-P former, thus delivering high linear displacement. The air cooling and decompression system avoids the need for a centre hole on the bottom plate and provides a better thermal inertia to ensure low operating temperatures during musical transients.

**PRO**

<table>
<thead>
<tr>
<th>Model</th>
<th>Power (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP 250 D2.3</td>
<td>1200 W</td>
</tr>
<tr>
<td>MP 250 D4.3</td>
<td>1200 W</td>
</tr>
</tbody>
</table>

**Optional Grille**

- MPG 250
- MPG 300
- MG 250.3
- MG 300.3
VENTILATION SYSTEM
The holes behind the voice coil winding and the 10 vents on the bottom plate ensure greater air exchange to the coil inner layers and work in synergy with an innovative assembly system. It forces the air to pass through the air gap to keep the coil operating temperature low, even with the most extreme musical programs.

**MP 300 D2.3**
SUBWOOFER 1200 W

**MP 300 D4.3**
SUBWOOFER 1200 W
Mille Power

HI-END PERFORMANCE
ULTIMATE TECHNOLOGY

Mille Power Amplifiers are born to fully enhance the outstanding performance of the Mille speakers.

**ML Power 5**
D-CLASS FIVE CHANNEL AMPLIFIER
1900 W MAX POWER

**ML Power 1**
D-CLASS MONO AMPLIFIER
2000 W MAX POWER

The latest d-class design ensures pure listening pleasure while keeping a compact size with unmatched power efficiency.
ML POWER 4
D-CLASS FOUR CHANNEL AMPLIFIER

2000 W MAX POWER

HRC BM
REMOTE CONTROL BASS MANAGEMENT
optional for ML Power 1 and ML Power 5
S8 DSP - DIGITAL SIGNAL PROCESSOR

S8 DSP is a distilled essence of technology at the service of the highest audio quality in a corrosion-free case cast in composite materials. S8 DSP processes the audio signal with 96 kHz / 24-bit resolution and has obtained the Hi-Res certification from the JAS (Japan Audio Society), an acknowledgment that certifies the extreme level of audio performance achieved.

The powerful 32-bit DSP manages 6 high/low-level analog input channels, one digital coaxial input, and 8 output channels, offering maximum freedom of configuration to the specialist. The SPDIF coaxial input is ideal for digital connection with a Hi-Res player, a solution that allows for maximum listening quality.

Remote control App for Android and Apple allows the user to manage the main functions of the DSP (Volume Master, Volume Sub)
Every parameter of the DSP is controlled wirelessly using the CONFIGURATOR App for Apple and Android tablets and smartphones, thanks to the integrated Bluetooth® 5.0 receiver. PC Software is available for both PC and Apple OS. Four configuration presets are supported, so you can choose the ideal setup for every listening condition.
H8 DSP - DIGITAL SIGNAL PROCESSOR

HIGH PERFORMANCE OEM INTEGRATION

HERTZ H8 DSP IS CAPABLE OF INTERFACING WITH ANY ANALOG AND/OR DIGITAL SOURCE, TRANSFORMING ORDINARY "AUDIO" INTO A HIGH-PERFORMANCE INTEGRATED SYSTEM

6 IN / 8 OUT - DIGITAL IN

H8 DSP DIGITAL INTERFACE PROCESSOR

POWERFUL TUNING SOFTWARE

The simple and intuitive pc-software ensures a wide array of adjustments to improve the acoustic response of a complex environment like the car cabin.

H8 DSP provides 8 pre out channels featuring: a 31 band equalizer, a 66 step electronic crossover and digital time delay functions.
The DRC HE provided allows the control of the main system without the use of a pc.

Thanks to USS technology H8 DSP can also be correctly connected to head units with "speaker load detection" function.

Automatically sums and reverses OEM equalization.
Cento Pro

THE AUTHENTIC HERTZ SOUND EXPERIENCE FOR THE YOUNG CAR HIFI ENTHUSIASTS
Taking advantage of the state-of-the-art design methods used in the flagship line Mille, the team of electro-acoustic designers achieved top performance, never before achieved in this category, to offer real added value.

HERTZ CENTO IS THE FIRST STEP INTO THE EXCITING WORLD OF IN-CAR LISTENING AT THE HIGHEST LEVELS.
The top-of-the-range CPK 165 PRO system is dedicated to the ones who do not compromise: at any listening level the CPK 165 PRO will thrill you by recreating the real event in the car compartment.

Cento Pro woofers cone is made of Pressed Paper, a material with excellent damping and lightness characteristics, producing a balanced sound without resonance peaks.

CPK 165
TWO WAY SYSTEM
315 W
Grille provided

CPK 690
TWO WAY SYSTEM
360 W
The CPX 165 PRO coax allows the user to enjoy the Hertz Sound Experience when the car does not allow the installation of a two-way kit.

The three-way coaxial CPX 690 PRO is the best solution for the ones who like enjoy enticing low frequencies.
SPP-M cone material preserves the natural sound of the semi-pressed paper and enhances it with Mica powder improving rigidity. The result is an excellent balance between lightness and damping, essential for a powerful and controlled emission.

C 26 features a 26 mm (1 in.) Tetolon dome with dispersion characteristics optimized on the listening point and a progressive roll-off that favors frequency linearity.

C 26 OE features a geometry designed to maximize performance when the tweeter is installed in a factory placement and includes a cable with built-in 6 dB/Oct. crossover designed to save space in a OEM upgrade scenario.
NPP cone membrane gives this component a natural sound, with solid and controlled low frequencies. The enhancement of the magnetic group and voice coil allow the excursion of the woofer to be maximized maintaining utmost control.

**C 165 L**
COMP WOOFER
240 W

**C 165 F**
COMP WOOFER
180 W

**CG 165**
optional grille for C 165 and C 165 L

**CK 165 L**
2 WAY SYSTEM
300 W

**CK 165 F**
2 WAY SYSTEM
270 W

hertz-audio.com
S2 models feature 2 Ω voice coil
S4 models feature 4 Ω voice coil
With the Cento subwoofers even the younger enthusiasts will enjoy an exciting reproduction of low frequencies in their car!

The R&D team succeeded in obtaining very powerful bass frequencies from ultra-compact sealed enclosures, optimizing all the electroacoustic parameters according to the target set.
The new 24 mm (0.9 in.) Tetolon® dome tweeter delivers a more musical and detailed sound compared to the more traditional plastic materials. The dispersion has been optimized for off-axis listening.
The three-way elliptical coax CX 690 featuring a 6x9 in. cone was designed to achieve maximum performance in horizontal installations and offering, even in this difficult condition, an exceptional tone balance and power handling.

CX 690
2 WAY COAXIAL
300 W

CX 570
2 WAY COAXIAL
210 W
HCP AMPLIFIERS BOAST INNOVATION, CHARACTER AND TRADITION, ALL MERGED IN AN EFFICIENT DESIGN

A GROUND-BREAKING COMBINATION OF COMPACT POWER AND HIGH VALUE

HCP AMPLIFIERS

HCP 5D
D-CLASS FIVE CHANNEL AMPLIFIER
1500 W MAX POWER

HCP 1DK
D-CLASS MONO AMPLIFIER WITH CROSSOVER
2480 W MAX POWER

HCP 4
FOUR CHANNEL AMPLIFIER
760 W MAX POWER

HCP 2X
STEREO AMPLIFIER WITH CROSSOVER
800 W MAX POWER

HCP 4DK
FOUR CHANNEL AMPLIFIER
2000 W MAX POWER

HRC
SUB VOLUME REMOTE CONTROL
Optional for HCP 1D, HCP 1DK, HCP 5D
The Hertz R&D team employed all of their experience and know-how to provide the most suitable response to satisfy the enthusiasts’ needs.
DIECI.3 EXPRESS THE EVOLUTION OF THE HERTZ BRAND; A CONTINUOUSLY CLOSER SYNERGY WITH OUR CENTO AND MILLE LINES.
The scrupulous attention to every detail led to a perfect balance between performance and value.

Due to their high efficiency, dieci.3 loudspeakers are easily driven with source unit power and a great match when paired with amplifiers.
DCX 87.3 2 WAY COAXIAL 60 W
DCX 165.3 2 WAY COAXIAL 120 W
DCX 170.3 2 WAY COAXIAL 100 W
DCX 100.3 2 WAY COAXIAL 120 W
DCX 130.3 2 WAY COAXIAL 80 W
DCX 160.3 2 WAY COAXIAL 120 W
DG 100.3
DG 130.3
DG 165.3
optional grille
**DCX 710.3**  
3 WAY COAXIAL  
300 W

**DCX 690.3**  
2 WAY COAXIAL  
180 W

**DCX 570.3**  
2 WAY COAXIAL  
120 W

**DCX 460.3**  
2 WAY COAXIAL  
80 W
DSK 165.3
2 WAY SYSTEM
160 W

DG 130.3
DG 165.3
optional grille

DSK 170.3
2 WAY SYSTEM
160 W

DSK 160.3
2 WAY SYSTEM
160 W
Mounting Accessories provided with DT 24.3, DSK 130.3, DSK 160.3, DSK 165.3, DSK 170.3.
Hey there, bass-lover! Ready to take your car audio game to the next level? Meet the Hertz DBA 201 active subwoofer – your ticket to bass heaven on the road!

The DBA 201 active subwoofer box features a double passive radiator enclosure optimized with FEM simulation maximizing the subwoofer output.

HRC 01
REMOTE SUBWOOFER VOLUME CONTROL
provided for DBA 201 and DBA 201F
DBA 201F
FLAT ACTIVE SUB BOX
440 W

DBA 201 and DBA 201F share the 440 W Class D amplifier provides an unmatched performance/size ratio, drawing less current from the vehicle's electrical system.

DBA 201 and DBA 201F can handle speaker-level signals up to 30 volts (1.2V – 30 V rms) and includes USS for a total OEM integration.

DBA 201 F and DBA 201 are designed to easily release via a Plug & Play Molex® and harness, which includes the power connection.
DBX 30.3
SEALED SUB BOX
1000 W

DBX 25.3
SEALED SUB BOX
600 W
DS 25.3
SUBWOOFER
600 W

DS 30.3
SUBWOOFER
1000 W

DSG 250.3
DSG 300.3
optional grille
INVINCIBLE VALUE AND PERFORMANCE

Hi-Res audio certification featuring a frequency response of 10 hz – 50 khz.

Dieci Power amplifiers can be correctly connected to head units with a "speaker load detection" function.

Dieci Power amplifiers are ultra-compact to ensure effortless installations.
Elegant status LED, solid machined terminal block and removable top panel to protect controls and connections.

Full set of controls: adjustable input levels, high/low-pass crossover filters (50-4000Hz 12dB/Oct.), and bass boost to fine-tune the sound according to your preferences.
ADC (Advanced Class-D) 2Ω stable power output in a small and compact design for maximum power in a compact size.
DP 2.200
AB-CLASS TWO CHANNEL AMPLIFIER
520 W

DP 1.500
D-CLASS MONO AMPLIFIER
1180 W

HRC 02
REMOTE SUBWOOFER VOLUME CONTROL
optional for DP 1.500
Designed to be the best factory replacement speakers in their price range, they offer a huge upgrade of the OEM sound quality.
**X 165**
2 WAY COAXIAL
220 W

**X 690**
4 WAY COAXIAL
340 W

Grille provided

**DG 130.3**
DG 165.3
optional grille

**X 130**
2 WAY COAXIAL
160 W

**X 170**
2 WAY COAXIAL
200 W
S 300 S4
SUBWOOFER
1000 W

K 130
2 WAY SYSTEM
220 W

K 170
2 WAY SYSTEM
280 W

K 165
2 WAY SYSTEM
300 W
A WALL OF SOUND EVERYWHERE YOU WANT!
A complete response to the enthusiasts who crave a system especially designed for punishing sound pressure levels (spl), even for the new phenomena of “open door” monsters!
ST 25A NEO
HIGH EFFICIENCY COMPRESSION DRIVER

100 W

ST 25K NEO
HIGH EFFICIENCY COMPRESSION DRIVER

100 W

NEO line bullet compression drivers are a totally new project, lighter and compact. They are available with 25 mm voice coil (ST 25 NEO) or 35 mm voice coil (ST 35 NEO).

“Kit” version with metallic mesh grille, inline crossover filter included, torque key included.

ST NEO compression drivers feature superior performance thanks to the use of Neodymium N38 H for the motor units and a FEM (Finite Element Method) optimized driver/horn design.

Bullet tweeters are available in “Active” version (tweeter only), and in “Kit” version, with metallic mesh grille and inline crossover filter included.
Hertz

ST 35A NEO
HIGH EFFICIENCY COMPRESSION DRIVER
120 W

ST 35K NEO
HIGH EFFICIENCY COMPRESSION DRIVER
120 W
New SV 165 NEO and SV 200 NEO feature compact dimensions and light weight preserving excellent performance thanks to the use of Neodymium N38 H for the motor units.

The double layer copper voice coil, wound on polyamide former ensures unparalleled power handling.
SX 165 NEO and SX 200 NEO feature a large Hi-SPL 1.4” PEI dome tweeter with resettable solid-state protection circuit and a protective rubber gasket for high SPL and a safe outdoor use.

SX 690.1 NEO is a real beast with a Hi-SPL Mid-Hi unit based on a 1.4” dome tweeter and 1” dome super tweeter with a resettable solid-state protection circuit. The cone is made with nature-proof high stiffness pressed paper featuring innovative water/humidity resistance and anti-UV treatments.
SV SPL mid-range speakers are made to produce tremendous impact and dynamic, for your unlimited project.

SV SPL mid-range line employs a copper voice coil wound on a two-layer KSV former, for unheard-of thermal and mechanical capability also in extreme circumstances. The cone features a water repellent pressed paper membrane and paper dust caps, both robust and light weight, as well as double-wave damped fabric surrounds to ensure linearity even under extreme conditions, contributing to high SPL scores.
The Hertz SV 200L car audio woofers was designed to offer superior performance in terms of both thermal and mechanical capability. The target has been fully hit since the woofer features a pure copper voice coil wound on KSV former, an oversized magnet and a vented bottom plate.

**SV 200L**  
SPL WOOFER  
500 W
The SS 12 D2 and SS 15 D2 subwoofers featuring 30 cm (12 in.) and 38 cm (15 in.) cones respectively are eager to thrill the enthusiasts with their power. The suspension system reinforced with progressive double-layer spiders keeps the performance constant over time, especially in the heavy use typical of Bass Wars events.

Heat dissipation is essential for this type of use and has been maximized thanks to an accurate design. The use of a robust 75 mm (3 in.) dual winding (2 + 2 Ω) voice coil developed in 4-layer configuration on a support with venting holes allows the SS 12 D2 and SS 15 D2 to manage respectively an impressive 2000 W and 2400 W peak power! The basket has been designed for optimal thermal dissipation and high mechanical resistance.

The new SPL SHOW subwoofers knock down any limits to fun, leaving room for music only!
SS 15 D2
SUBWOOFER
2400 W
SP is the first Hertz amplifier line featuring the renewed Hertz ADC (Advanced D-Class) output stage, reaching up to 85% efficiency and delivering an impressive power rating with an ultra-compact size of 211.6 (8.3) x 130 (5.1) mm (in.). Being ultra-compact with an impressive power, SP line amps are the ideal choice for Motorcycle application and for under-seat in sport cars and behind-seat installations in trucks.

S8 DSP is the perfect match for SP amps for motorcycles application

The versatile crossover filters and control knob are all located on a single side, to allow an easy calibration when the product is installed. The filters section includes extremely flexible high-pass and low-pass crossovers, adjustable from 50 Hz to 5 kHz with 12 dB/Oct slope. Together with a bass-boost control (45 Hz, 0÷8 dB), they allow both front channels to be configured for full-range operation, or for use with a subwoofer and related speakers. The high-pass crossover can also be used to optimize the performance of SPL Show NEO high-efficiency coaxial speakers, the perfect partners for the SP line amps.

IP55 aluminum chassis for maximum protection against humidity and external agents
SP line features a built-in sealed power cord, line inputs and speaker outputs for a bulletproof motorcycle application providing safe power delivery in even the worse weather conditions. The solid power supply harness ensures ultra-stable power and ground connection, preventing any loss of contact caused by vibration. Due to its specific design, SP 4.900 is the ultimate option for Motorcycle, Marine, and Powersports applications.

HMR BT
MARINE BLUETOOTH® CONTROLLER / RECEIVER

HMR BT features Bluetooth® v5.0 and Qualcomm® aptX® audio codec, assuring hi-performance wireless audio with a connection range of up to 35 ft. (10 m), allowing your smartphone to be kept safely away from water.
### Tweeter Mid-Range Specifications

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<thead>
<tr>
<th>Model</th>
<th>Size (mm)</th>
<th>Power Handling (W)</th>
<th>Imp. (Ω)</th>
<th>Freq. Resp. (Hz)</th>
<th>Sensitivity (dB/SPL)</th>
<th>Voice Coil (mm)</th>
<th>Magnet</th>
<th>Cone</th>
</tr>
</thead>
<tbody>
<tr>
<td>ML 280.3</td>
<td>35 (1.38)</td>
<td>180 [Hi-Pass filtered @ 1.8kHz - 12dB Oct.]</td>
<td>4</td>
<td>1k + 28k</td>
<td>92</td>
<td>28 (1.1)</td>
<td>Neodymium</td>
<td>Tetolon fiber</td>
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<tr>
<td>ML 700.3</td>
<td>70 (3)</td>
<td>100 [Hi-Pass filtered @ 250Hz - 12dB Oct.]</td>
<td>4</td>
<td>200 + 20k</td>
<td>90</td>
<td>20 (0.8)</td>
<td>Neodymium</td>
<td>Pressed-pulp cone with cotton fibers</td>
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<tr>
<td>MP 25.3</td>
<td>29 (1.14)</td>
<td>120 [Hi-Pass filtered @ 2.5kHz - 12dB Oct.]</td>
<td>4</td>
<td>1.4k - 22.5k</td>
<td>91</td>
<td>25 (1)</td>
<td>Neodymium</td>
<td>Tetolon fiber</td>
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<tr>
<td>MP 28.3</td>
<td>35 (1.38)</td>
<td>180 [Hi-Pass filtered @ 1.8kHz - 12dB Oct.]</td>
<td>4</td>
<td>1k - 25k</td>
<td>91</td>
<td>28 (1.1)</td>
<td>Neodymium</td>
<td>Tetolon fiber</td>
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<tr>
<td>MP 70.3</td>
<td>70 (3)</td>
<td>100 [Hi-Pass filtered @ 250Hz - 12dB Oct.]</td>
<td>4</td>
<td>180 - 18k</td>
<td>88</td>
<td>20 (0.8)</td>
<td>Neodymium</td>
<td>Pressed-pulp cone with cotton fibers</td>
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</tbody>
</table>

### Woofer Specifications

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<tr>
<th>Model</th>
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<th>Voice Coil (mm)</th>
<th>Magnet</th>
<th>Cone</th>
</tr>
</thead>
<tbody>
<tr>
<td>ML 1650.3</td>
<td>165 (6.5)</td>
<td>250</td>
<td>4</td>
<td>40 + 6.5k</td>
<td>93</td>
<td>36 (1.4)</td>
<td>Neodymium</td>
<td>Pressed-pulp cone with cotton fibers</td>
</tr>
<tr>
<td>ML 1800.3</td>
<td>180 (7)</td>
<td>400</td>
<td>4</td>
<td>38 + 6k</td>
<td>93</td>
<td>50 (2)</td>
<td>Neodymium</td>
<td>Pressed-pulp cone with cotton fibers</td>
</tr>
<tr>
<td>MP 165.3</td>
<td>165 (6.5)</td>
<td>180</td>
<td>4</td>
<td>40 - 5k</td>
<td>93</td>
<td>25 (1)</td>
<td>High density flux ferrite</td>
<td>Pressed-pulp cone with cotton fibers</td>
</tr>
<tr>
<td>MP 165P.3</td>
<td>165 (6.5)</td>
<td>200</td>
<td>3</td>
<td>45 - 4.5k</td>
<td>94</td>
<td>25 (1)</td>
<td>High density flux ferrite</td>
<td>Pressed-pulp cone with cotton fibers</td>
</tr>
</tbody>
</table>

### Crossover Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Size (mm)</th>
<th>Specific Components</th>
<th>Power Handling (W)</th>
<th>Crossover Type</th>
<th>Cut-off Frequency</th>
<th>Adjustment</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLCX2 TW.3</td>
<td>195 x 119 x 41 (7.67 x 4.68 x 1.61)</td>
<td>ML 280.3, ML 1650.3, ML 1800.3</td>
<td>300 150</td>
<td>Lo-pass 6 dB Oct., Hi-pass 12 dB Oct.</td>
<td>2.5 kHz [Mid/Hi-Cont. = ON], 3.5 kHz [Mid/Hi-Cont. = OFF]</td>
<td>Tweeter Level 0 / +2 dB</td>
</tr>
<tr>
<td>MPCX 2 TM.3</td>
<td>102 x 76.5 x 37 (4.02 x 3.01 x 1.46)</td>
<td>MP 25.3, MP 70.3</td>
<td>300 150</td>
<td>Lo-pass 6 dB Oct., Hi-pass 12 dB Oct.</td>
<td>5.5 kHz</td>
<td>Tweeter Level 0 / +2 dB</td>
</tr>
</tbody>
</table>

### System Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Size (mm)</th>
<th>Power Handling (W)</th>
<th>Imp. (Ω)</th>
<th>Freq. Resp. (Hz)</th>
<th>Sensitivity (dB/SPL)</th>
<th>Crossover included</th>
<th>Adjustment</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLK 1650.3</td>
<td>165 (6.5)</td>
<td>300 150</td>
<td>4</td>
<td>40 - 28k</td>
<td>93</td>
<td></td>
<td>MLX2 2 TM.3</td>
</tr>
<tr>
<td>MLK 165.3</td>
<td>165 (6.5)</td>
<td>300 150</td>
<td>4</td>
<td>40 - 25k</td>
<td>92</td>
<td></td>
<td>MLX2 2 TM.3</td>
</tr>
<tr>
<td>MLK 700.3</td>
<td>70 (3)</td>
<td>200 100</td>
<td>4</td>
<td>200 - 28k</td>
<td>90</td>
<td></td>
<td>MLX2 2 TM.3</td>
</tr>
<tr>
<td>MPK 165.3</td>
<td>165 (6.5)</td>
<td>220 110</td>
<td>4</td>
<td>40 - 22.5k</td>
<td>92</td>
<td></td>
<td>MPX 2.3</td>
</tr>
<tr>
<td>MPK 165P.3</td>
<td>165 (6.5)</td>
<td>230 115</td>
<td>3</td>
<td>45 - 22.5k</td>
<td>93</td>
<td></td>
<td>MPX 2P.3</td>
</tr>
<tr>
<td>MPK 1650.3</td>
<td>165 (6.5)</td>
<td>250 125</td>
<td>3</td>
<td>45 - 25k</td>
<td>93.5</td>
<td></td>
<td>MPX 20.3</td>
</tr>
<tr>
<td>MPK 130.3</td>
<td>130 (5)</td>
<td>200 100</td>
<td>4</td>
<td>60 - 22.5k</td>
<td>91</td>
<td></td>
<td>MPX 2.3</td>
</tr>
<tr>
<td>MPK 163.3</td>
<td>165 (6.5)</td>
<td>300 150</td>
<td>4</td>
<td>40 - 22.5k</td>
<td>92</td>
<td></td>
<td>MPX 3.3</td>
</tr>
</tbody>
</table>
### COAX specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Handling W</th>
<th>Imp. Ω</th>
<th>Sensitivity dB/SPL</th>
<th>Voice Coil mm (in.)</th>
<th>Magnet</th>
<th>Cone</th>
<th>X-mech mm (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ML 165.3</td>
<td>200 [8]</td>
<td>1400</td>
<td>700</td>
<td>4</td>
<td>B6</td>
<td>100 (4)</td>
<td>Neodymium</td>
</tr>
<tr>
<td>ML 2500.3</td>
<td>250 [10]</td>
<td>1400</td>
<td>700</td>
<td>4</td>
<td>B8</td>
<td>100 (4)</td>
<td>Neodymium</td>
</tr>
<tr>
<td>MP 250 D2.3</td>
<td>250 [10]</td>
<td>1200</td>
<td>600</td>
<td>2+2</td>
<td>4/4</td>
<td>83.5</td>
<td>65 [2.5]</td>
</tr>
<tr>
<td>MP 300 D2.3</td>
<td>300 [12]</td>
<td>1200</td>
<td>600</td>
<td>2+2</td>
<td>4/4</td>
<td>85.5</td>
<td>65 [2.5]</td>
</tr>
<tr>
<td>MPS 250 S2</td>
<td>250 [10]</td>
<td>1000</td>
<td>500</td>
<td>2</td>
<td>82.5</td>
<td>38 [1.5]</td>
<td>High density flux ferrite</td>
</tr>
<tr>
<td>MPS 250 S4</td>
<td>250 [10]</td>
<td>1000</td>
<td>500</td>
<td>4</td>
<td>83.5</td>
<td>38 [1.5]</td>
<td>High density flux ferrite</td>
</tr>
<tr>
<td>MPS 300 S2</td>
<td>300 [12]</td>
<td>1000</td>
<td>500</td>
<td>2</td>
<td>84.5</td>
<td>38 [1.5]</td>
<td>High density flux ferrite</td>
</tr>
<tr>
<td>MPS 300 S4</td>
<td>300 [12]</td>
<td>1000</td>
<td>500</td>
<td>4</td>
<td>85</td>
<td>38 [1.5]</td>
<td>High density flux ferrite</td>
</tr>
</tbody>
</table>

### AMP specifications

<table>
<thead>
<tr>
<th>Channel Mode</th>
<th>ML POWER 1</th>
<th>ML POWER 4</th>
<th>ML POWER 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>@ 4Ω</td>
<td>W x ch</td>
<td>600 x 1</td>
<td>150 x 4</td>
</tr>
<tr>
<td>@ 2Ω</td>
<td>W x ch</td>
<td>1000 x 1</td>
<td>250 x 4</td>
</tr>
<tr>
<td>@ 1Ω</td>
<td>W x ch</td>
<td>1000 x 1</td>
<td>-</td>
</tr>
<tr>
<td>@ 4Ω</td>
<td>W x ch [3 ch]</td>
<td>-</td>
<td>150 x 2 + 500 x 1</td>
</tr>
<tr>
<td>@ 2Ω + 4Ω</td>
<td>W x ch [3 ch]</td>
<td>-</td>
<td>250 x 2 + 500 x 1</td>
</tr>
<tr>
<td>@ 4Ω + 2Ω</td>
<td>W x ch [3 ch]</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>@ 4Ω</td>
<td>W x ch [2 ch]</td>
<td>-</td>
<td>500 x 2</td>
</tr>
<tr>
<td>Bypass</td>
<td>-</td>
<td>-</td>
<td>Yes</td>
</tr>
<tr>
<td>Hi-Pass</td>
<td>Hz @ dB/Oct.</td>
<td>-</td>
<td>A: 50 + 5k @ 12 B: 80 + 3.3k @ 12</td>
</tr>
<tr>
<td>Lo-Pass</td>
<td>Hz @ dB/Oct.</td>
<td>40 = 150 @ 24</td>
<td>A: 50 + 5k @ 12 B: 80 + 3.3k @ 12</td>
</tr>
<tr>
<td>Band-Pass</td>
<td>Hz @ dB/Oct.</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Subsonic</td>
<td>Hz @ dB/Oct.</td>
<td>18 = 40 @ 24</td>
<td>-</td>
</tr>
<tr>
<td>Sub Volume Remote Control</td>
<td>Optional Bypass</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Pre-Out</td>
<td>Bypass</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Phase</td>
<td>Degree 0 = 180</td>
<td>0.08</td>
<td>0.08</td>
</tr>
<tr>
<td>Distortion - THD</td>
<td>100 Hz @ 4Ω</td>
<td>%</td>
<td>103</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>Sensitivity @ 1 V RMS</td>
<td>dBA</td>
<td>103</td>
</tr>
<tr>
<td>Damping factor</td>
<td>100 Hz @ 4Ω</td>
<td>100</td>
<td>50</td>
</tr>
<tr>
<td>Size W x D x H</td>
<td>mm</td>
<td>170 x 349 x 46.7</td>
<td>170 x 289 x 46.7</td>
</tr>
<tr>
<td>RMS Output Power 4Ω</td>
<td>W x ch</td>
<td>600 x 1</td>
<td>120 x 4</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>Ref. 1 W Output</td>
<td>dBA</td>
<td>83.5</td>
</tr>
</tbody>
</table>
**S8 DSP**

**POWER SUPPLY**
Nominal power supply voltage / fuse: 7 – 20 VDC / 1A
Pulse operating voltage: 5 – 24 VDC
Idling current: 0.34 A
OFF current [ART™ OFF]: <80 µA
OFF current [ART™ ON]: <80 µA
Remote IN: 6 – 20 VDC (10 mA)
Remote OUT: 4 – 20 VDC (150 mA)
ART – Automatic Remote
Turn on/off from BTL speaker outputs (selectable): 1.5 – 7 VDC

**OUTPUT STAGE**
- Low level (Pre Out): 8 RCA outputs
- Output Equalizer: 15 poles Parametric EQ ±12 dB, 20 – 20 kHz
- Output Signal Limiter: Yes (selectable)

**CROSSOVER**
- Filter type: Full / Hi-Pass / Low-Pass / Band Pass
- Filter mode and slope: Linkwitz @ 12 / 24 dB
  - Butterworth @6 / 12 / 18 / 24 / 30 dB
  - Bessel @ 6 / 12 / 18 / 24 / 30 dB
- Crossover frequencies: 20 – 20 kHz (120 steps)
- Phase control: 0° / 180°

**EQUALIZER (20 Hz – 20 kHz)**
- Inputs: Parametric EQ ±12 dB – ±12 dB, 7 poles (for each input channel)
- Outputs: Parametric EQ ±12 dB – ±12 dB, 15 poles (for each output channel)

**GENERAL**
- Memory Preset: 4 x Preset
- Memory Preset selection: Through the Control Software or by wire
- Input Selection: Through the Control Software or by wire

**TIME ALIGNMENT**
- Distance: 0 = 471.5 cm / 0 = 185.5 in.
- Delay: 0 = 13.58 ms
- Step: 0.02 ms, 0.7 cm / 0.27 in.

**GENERAL REQUIREMENTS**
- Software / PC requirements:
  - Microsoft Windows (32/64 bit): Windows 10 (USB and BT BLE)
  - Mac Os: 10.13 Hight Sierra or later (USB and BT BLE)
- Minimum mobile device requirements:
  - Android OS 5 or later (USB OTG and BT BLE), iOS 12 or later (BT BLE)
- Video Resolution with screen resize:
  - iOS: 1024 x 600
  - Android: 1280 x 720
- Ambient operating temperature range:
  - 0° C to 55° C / (32° F to 131° F)

**SIZE / WEIGHT**
- Max size: W x H x D (mm / inch): 130 x 37 x 88.3 / 5.12 x 1.45 x 3.48
- Weight: 0.66 / 1.45 lbs

---

**H8 DSP**

**POWER SUPPLY**
Operating power supply voltage: 10.8 – 14.4 VDC
Power supply: 7.5 – 15 VDC
Idling current: 0.4 A
Switched off without DRC: 2.5 mA
Switched off with DRC: 4 mA
Remote IN voltage: 6.5 – 15 VDC (1.3 mA)
Remote OUT voltage: 12 VDC (130 mA)

**INPUT STAGE**
- Analog inputs management: Audio input routing matrix type
- Low level (Pre In): 6 RCA inputs
- Hi-Level: 6 Wired inputs
- Digital In: Coaxial S/PDIF, max 24 bit/96kHz, Extra Gain: +3dB, +6dB.

**OUTPUT STAGE**

**INPUT STAGE**
- 4 High Level (Speaker): FL – FR – RL – RR
- Low Level (Pre): AUX IN
- Digital Optical IN (S/PDIF max 96 kHz/24bit): OPTICAL IN

**OUTPUT STAGE**
- 6 Digital outputs: 15 V RMS
- 4 RCA outputs: 15 kΩ
- 4 RCA inputs: 105 kΩ
- AUX Input: 95 kΩ
- Hi-Level input (Speaker In): 105 kΩ
- AUX Input: 95 kΩ
- Channel separation @ 1 kHz: 20 kHz
- Input sensitivity (Speaker In): 15 kΩ
- Input sensitivity (AUX Input): 2.2 kΩ
- Max output level @ 0.1% THD: 4 V

**SIGNAL STAGE**
- Resolution: 24bit
- Sampling Rate: 96 kHz
- Distortion – THD @ 1 kHz, 1 VRMS output: 0.004 %
- Bandwidth @ –3 dB: 10 Hz – 40 kHz
- S/N ratio @ A weighted, 4 V Output, 1 V Master Input: 100 dB
- S/N ratio @ A weighted, 4 V Output, 1 V Digital IN input: 97 dB
- Channel separation @ 1 kHz: 97 dB
- Input sensitivity Pre-In: 0.8 – 6 VRMS
- Input sensitivity Speaker-In: 2.5 – 20 VRMS
- Input Impedance: 38 kΩ (Pre, IN / AUX), 4.7 Ω (Speaker IN)
- Max output level: 4 V

**EQUALIZER**
- Extra Gain: 24 bit 96KHz; Extra Gain
- Linkwitz @ 12 / 24 dB
- Butterworth @ 6 / 12 / 24 / 30 dB
- Bessel @ 6 / 12 / 18 / 24 / 30 dB

**GENERAL REQUIREMENTS**
- PC connections: 1 x USB 1.1 / 2.0 / 3.0 Compatible or Blutooth 5.0 BLE
- Software / PC requirements:
  - Microsoft Windows (32/64 bit): Windows 10 (USB and BT BLE)
  - Mac Os: 10.13 Hight Sierra or later (USB and BT BLE)
  - Minimum mobile device requirements:
  - Android OS 5 or later (USB OTG and BT BLE), iOS 12 or later (BT BLE)
- Video Resolution with screen resize:
  - Android: 1024 x 600
  - iOS: 1280 x 720
- Ambient operating temperature range:
  - 0° C to 55° C / (32° F to 131° F)

**SYSTEM SPECIFICATIONS**
- Minimum mobile device requirements:
  - Android OS 5 or later (USB OTG and BT BLE), iOS 12 or later (BT BLE)

**EQUALIZER**
- Extra Gain: 24 bit 96KHz; Extra Gain
- Linkwitz @ 12 / 24 dB
- Butterworth @ 6 / 12 / 24 / 30 dB
- Bessel @ 6 / 12 / 18 / 24 / 30 dB

**GENERAL REQUIREMENTS**
- PC connections: USB 1.1 / 2.0 / 3.0 Compatible
- Software / PC requirements:
  - Microsoft Windows (32/64 bit): XP, Vista, 7, 8, 10
  - Android OS 7 or later (USB OTG and BT BLE), iOS 12 or later (BT BLE)
- Minimum mobile device requirements:
  - Android OS 5 or later (USB OTG and BT BLE), iOS 12 or later (BT BLE)
- Video Resolution with screen resize:
  - Android: 1024 x 600
  - iOS: 1280 x 720
- Ambient operating temperature range:
  - 0° C to 55° C / (32° F to 131° F)

**SYSTEM SPECIFICATIONS**
- Minimum mobile device requirements:
  - Android OS 5 or later (USB OTG and BT BLE), iOS 12 or later (BT BLE)

**EQUALIZER**
- Extra Gain: 24 bit 96KHz; Extra Gain
- Linkwitz @ 12 / 24 dB
- Butterworth @ 6 / 12 / 24 / 30 dB
- Bessel @ 6 / 12 / 18 / 24 / 30 dB

**GENERAL REQUIREMENTS**
- PC connections: USB 1.1 / 2.0 / 3.0 Compatible
- Software / PC requirements:
  - Microsoft Windows (32/64 bit): XP, Vista, 7, 8, 10
  - Android OS 7 or later (USB OTG and BT BLE), iOS 12 or later (BT BLE)
- Minimum mobile device requirements:
  - Android OS 5 or later (USB OTG and BT BLE), iOS 12 or later (BT BLE)
- Video Resolution with screen resize:
  - Android: 1024 x 600
  - iOS: 1280 x 720
- Ambient operating temperature range:
  - 0° C to 55° C / (32° F to 131° F)

**SYSTEM SPECIFICATIONS**
- Minimum mobile device requirements:
  - Android OS 5 or later (USB OTG and BT BLE), iOS 12 or later (BT BLE)

---

**Connections**
- From / To Personal Computer:
  - 1 x USB / B
- DRC HE / AUX select:
  - Optical In / Aux wire control + 12V / GND enable
- Memory A / Memory B:
  - Memory A / B wire control = 12V / GND enable

---

**System Specifications**
- Minimum mobile device requirements:
  - Android OS 5 or later (USB OTG and BT BLE), iOS 12 or later (BT BLE)
- Video Resolution with screen resize:
  - Android: 1024 x 600
  - iOS: 1280 x 720
- Ambient operating temperature range:
  - 0° C to 55° C / (32° F to 131° F)

**Size**
- W (Width) x H (Height) x D (Depth) (mm / inch):
  - 191 x 34 x 137 / 7.51 x 1.33 x 5.39
- Weight: 0.6 / 1.32 lbs

---

**General Requirements**
- PC connections: USB 1.1 / 2.0 / 3.0 Compatible
- Software / PC requirements:
  - Microsoft Windows (32/64 bit): XP, Vista, 7, 8, 10
  - Android OS 7 or later (USB OTG and BT BLE), iOS 12 or later (BT BLE)
- Minimum mobile device requirements:
  - Android OS 5 or later (USB OTG and BT BLE), iOS 12 or later (BT BLE)
- Video Resolution with screen resize:
  - Android: 1024 x 600
  - iOS: 1280 x 720
- Ambient operating temperature range:
  - 0° C to 55° C / (32° F to 131° F)

---

**Size**
- W (Width) x H (Height) x D (Depth) (mm / inch):
  - 191 x 34 x 137 / 7.51 x 1.33 x 5.39
- Weight: 0.6 / 1.32 lbs
### SUB BOX specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Size (mm/in.)</th>
<th>Power Handling W</th>
<th>Imp. Ω</th>
<th>Magnet</th>
<th>Cone</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBA 250</td>
<td>250 (10)</td>
<td>500</td>
<td>250</td>
<td>0.4</td>
<td>High density flux ferrite</td>
</tr>
</tbody>
</table>
### AMP specifications

#### HCP 1D, HCP 2X, HCP 2

<table>
<thead>
<tr>
<th>Channel Mode</th>
<th>HCP 1D</th>
<th>HCP 2X</th>
<th>HCP 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>@ 40 W x ch</td>
<td>380 x 1</td>
<td>120 x 2</td>
<td>65 x 2</td>
</tr>
<tr>
<td>@ 20 W x ch</td>
<td>380 x 1</td>
<td>120 x 2</td>
<td>65 x 2</td>
</tr>
<tr>
<td>@ 40 W x ch (3 ch)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>@ 20 + 40 W x ch (3 ch)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>@ 40 + 20 W x ch (3 ch)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>@ 40 W x ch (2 ch)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>@ 40 W x ch (mono)</td>
<td>400 x 1</td>
<td>200 x 1</td>
<td></td>
</tr>
</tbody>
</table>

#### Filters

<table>
<thead>
<tr>
<th>Bypass</th>
<th>Hi-Pass</th>
<th>Lo-Pass</th>
<th>Band-Pass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Hz @ dB/Oct.</td>
<td>50 @ 24</td>
<td>50 @ 24</td>
<td>50 @ 24</td>
</tr>
<tr>
<td>Hz @ dB/Oct.</td>
<td>50 + 520 @ 12</td>
<td>50 + 520 @ 12</td>
<td>50 + 520 @ 12</td>
</tr>
<tr>
<td>Hz @ dB/Oct.</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Hz @ dB/Oct.</td>
<td>50 @ 12</td>
<td>50 @ 12</td>
<td>50 @ 12</td>
</tr>
<tr>
<td>Hz @ dB/Oct.</td>
<td>50 @ 12</td>
<td>50 @ 12</td>
<td>50 @ 12</td>
</tr>
<tr>
<td>Hz @ dB/Oct.</td>
<td>50 @ 12</td>
<td>50 @ 12</td>
<td>50 @ 12</td>
</tr>
<tr>
<td>Hz @ dB/Oct.</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Hz @ dB/Oct.</td>
<td>50 @ 12</td>
<td>50 @ 12</td>
<td>50 @ 12</td>
</tr>
</tbody>
</table>

#### Distortion - THD

| 100 Hz @ 4Ω % | 0.02 | 0.01 | 0.01 |
| A/B: 50 @ 12 | | | |
| B: 50 @ 5k @ 12 | | | |
| B: 50 @ 5k @ 24 | | | |

#### Size W x D x H

| mm | 215 x 190 x 50 | 315 x 190 x 50 | 345 x 190 x 50 |
| in. | 8.46 x 7.48 x 1.97 | 12.40 x 7.48 x 1.97 | 13.58 x 7.48 x 1.97 |

## Notes
- RMS Output Power: 4Ω, ≤1% THD + N, 14.4 V
- S/N Ratio: Ref. 1 W Output dB
- Size: W x D x H mm
- Pre-Out Bypass: Yes
- Hi-Pass Hz @ dB/Oct.: A/B: 50 @ 12
- LO-Pass Hz @ dB/Oct.: A/B: 50 @ 12
- Band-Pass Hz @ dB/Oct.: A/B: 50 @ 12
- Subsonic Hi-Pass Hz @ dB/Oct.: 25 @ 24
- Boost dB gain @ 50 Hz: 0 / 6 / 12
- Sub Volume Remote Control Optional [-50 - 6] dB
- Phase Degree: 0 - 180
- Damping Factor 100 Hz @ 4Ω: 105/300/200
- sensitivity @ 1 V RMS dB

---

### AMP specifications

#### HCP 4D, HCP 4, HCP 4DK, HCP 5D

<table>
<thead>
<tr>
<th>Channel Mode</th>
<th>HCP 4D</th>
<th>HCP 4</th>
<th>HCP 4DK</th>
<th>HCP 5D</th>
</tr>
</thead>
<tbody>
<tr>
<td>@ 40 W x ch</td>
<td>85 x 4</td>
<td>65 x 4</td>
<td>150 x 4</td>
<td>65 x 4</td>
</tr>
<tr>
<td>@ 20 W x ch</td>
<td>145 x 4</td>
<td>95 x 4</td>
<td>250 x 2</td>
<td>105 x 4</td>
</tr>
<tr>
<td>@ 40 W x ch (3 ch)</td>
<td>85 x 2 + 290 x 1</td>
<td>65 x 2 + 190 x 1</td>
<td>150 x 4 + 520 x 1</td>
<td>210 x 2 + 200 x 1</td>
</tr>
<tr>
<td>@ 20 + 40 W x ch (3 ch)</td>
<td>145 x 2 + 290 x 1</td>
<td>95 x 2 + 190 x 1</td>
<td>250 x 2 + 520 x 1</td>
<td>-</td>
</tr>
<tr>
<td>@ 40 + 20 W x ch (2 ch)</td>
<td>290 x 2</td>
<td>190 x 2</td>
<td>520 x 2</td>
<td>-</td>
</tr>
<tr>
<td>@ 40 W x ch (mono)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

#### Filters

<table>
<thead>
<tr>
<th>Bypass</th>
<th>Hi-Pass</th>
<th>Lo-Pass</th>
<th>Band-Pass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Hz @ dB/Oct.</td>
<td>A/B: 50 @ 12</td>
<td>A/B: 50 @ 12</td>
<td>A/B: 50 @ 12</td>
</tr>
<tr>
<td>Hz @ dB/Oct.</td>
<td>A/B: 50 @ 12</td>
<td>A/B: 50 @ 12</td>
<td>A/B: 50 @ 12</td>
</tr>
<tr>
<td>Hz @ dB/Oct.</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Hz @ dB/Oct.</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Hz @ dB/Oct.</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

#### Distortion - THD

| 100 Hz @ 4Ω % | 0.25 | 0.2 | 0.03 | 0.01 |
| A/B: 50 @ 12 | | | |
| B: 50 @ 5k @ 12 | | | |
| C: 50 @ 500 @ 24 | | | |

#### Size W x D x H

| mm | 315 x 190 x 50 | 215 x 190 x 50 | 315 x 190 x 50 |
| in. | 12.40 x 7.48 x 1.97 | 8.46 x 7.48 x 1.97 | 12.40 x 7.48 x 1.97 |

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## Notes
- RMS Output Power: 4Ω, ≤1% THD + N, 14.4 V
- S/N Ratio: Ref. 1 W Output dB
- Size: W x D x H mm
- Pre-Out Bypass: Yes
- Hi-Pass Hz @ dB/Oct.: A/B: 50 @ 12
- LO-Pass Hz @ dB/Oct.: A/B: 50 @ 12
- Band-Pass Hz @ dB/Oct.: A/B: 50 @ 12
- Subsonic Hi-Pass Hz @ dB/Oct.: 25 @ 24
- Boost dB gain @ 50 Hz: 0 / 6 / 12
- Sub Volume Remote Control Optional [-50 - 6] dB
- Phase Degree: 0 - 180
- Damping Factor 100 Hz @ 4Ω: 105/300/200
- sensitivity @ 1 V RMS dB

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## References
- Cento AMP specifications
- HCP 1DK, HCP 1D, HCP 2X, HCP 2

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## Additional Information
- Channel Mode: 4 - 3 - 2
- Output Power (RMS) @ 14.4 VDC: 4Ω, ≤1% THD + N
- Filters: Yes, Yes, Yes, Yes
- Boost dB gain @ 50 Hz: 0 / 6 / 12
- Sub Volume Remote Control Optional [-50 - 6] dB
- Phase Degree: 0 - 180
- Damping Factor 100 Hz @ 4Ω: 105/300/200
- Size: W x D x H mm: 215 x 190 x 50, 315 x 190 x 50, 345 x 190 x 50
- RMS Output Power: 4Ω, ≤1% THD + N, 14.4 V
- S/N Ratio: Ref. 1 W Output dB: 80, 80, 83, 82
### COMP specifications

<table>
<thead>
<tr>
<th>Size (mm [in.])</th>
<th>Power Handling</th>
<th>W</th>
<th>Imp. Ω</th>
<th>Freq. Resp. Hz</th>
<th>Sens. Sensitivity</th>
<th>Magnet</th>
<th>Cone/Dome</th>
<th>WF/TW</th>
<th>Crossover included</th>
</tr>
</thead>
<tbody>
<tr>
<td>DT 24.3</td>
<td>24 (0.9)</td>
<td>80 [Hi-pass filt. @ 3.5 kHz - 6 dB/Oct.]</td>
<td>4</td>
<td>60 - 23kHz</td>
<td>94</td>
<td>Neodymium</td>
<td>PEI</td>
<td></td>
<td>3.5kHz - 6 dB Oct.</td>
</tr>
</tbody>
</table>

### SYSTEM specifications

<table>
<thead>
<tr>
<th>Size (mm [in.])</th>
<th>Power Handling</th>
<th>W</th>
<th>Imp. Ω</th>
<th>Freq. Resp. Hz</th>
<th>Sensitivity</th>
<th>Magnet</th>
<th>Cone/Dome</th>
<th>WF/TW</th>
<th>Crossover included</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSK 130.3</td>
<td>130 (5)</td>
<td>120</td>
<td>60</td>
<td>4</td>
<td>60 - 23kHz</td>
<td>93</td>
<td>High density flux ferrite / Neodymium</td>
<td>Water repellent pressed paper/PEI</td>
<td>3.5kHz - 12 dB Oct.</td>
</tr>
<tr>
<td>DSK 160.3</td>
<td>160 (6)</td>
<td>160</td>
<td>80</td>
<td>4</td>
<td>50 - 23kHz</td>
<td>93</td>
<td>High density flux ferrite / Neodymium</td>
<td>Water repellent pressed paper/PEI</td>
<td>3.5kHz - 12 dB Oct.</td>
</tr>
<tr>
<td>DSK 165.3</td>
<td>165 (6.5)</td>
<td>160</td>
<td>80</td>
<td>4</td>
<td>50 - 23kHz</td>
<td>93</td>
<td>High density flux ferrite / Neodymium</td>
<td>Water repellent pressed paper/PEI</td>
<td>3.5kHz - 12 dB Oct.</td>
</tr>
</tbody>
</table>

### COAX specifications

<table>
<thead>
<tr>
<th>Size (mm [in.])</th>
<th>Power Handling</th>
<th>W</th>
<th>Imp. Ω</th>
<th>Freq. Resp. Hz</th>
<th>Sensitivity</th>
<th>Magnet</th>
<th>Cone/Dome</th>
<th>WF/TW</th>
<th>Crossover included</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCX 87.3</td>
<td>87 (3.4)</td>
<td>24 (0.9)</td>
<td>-</td>
<td>60</td>
<td>4</td>
<td>130 + 21kHz</td>
<td>92</td>
<td>High density flux ferrite / Neodymium</td>
<td>Water repellent pressed paper/PEI</td>
</tr>
<tr>
<td>DCX 100.3</td>
<td>100 (4)</td>
<td>24 (0.9)</td>
<td>-</td>
<td>60</td>
<td>4</td>
<td>70 + 21kHz</td>
<td>92</td>
<td>High density flux ferrite / Neodymium</td>
<td>Water repellent pressed paper/PEI</td>
</tr>
<tr>
<td>DCX 130.3</td>
<td>130 (5)</td>
<td>24 (0.9)</td>
<td>-</td>
<td>80</td>
<td>4</td>
<td>65 + 21kHz</td>
<td>93</td>
<td>High density flux ferrite / Neodymium</td>
<td>Water repellent pressed paper/PEI</td>
</tr>
<tr>
<td>DCX 160.3</td>
<td>160 (6)</td>
<td>24 (0.9)</td>
<td>-</td>
<td>120</td>
<td>60</td>
<td>50 + 21kHz</td>
<td>93</td>
<td>High density flux ferrite / Neodymium</td>
<td>Water repellent pressed paper/PEI</td>
</tr>
<tr>
<td>DCX 165.3</td>
<td>165 (6.5)</td>
<td>24 (0.9)</td>
<td>-</td>
<td>120</td>
<td>60</td>
<td>60 + 21kHz</td>
<td>93</td>
<td>High density flux ferrite / Neodymium</td>
<td>Water repellent pressed paper/PEI</td>
</tr>
<tr>
<td>DCX 170.3</td>
<td>170 (6.7)</td>
<td>24 (0.9)</td>
<td>-</td>
<td>100</td>
<td>50</td>
<td>60 + 21kHz</td>
<td>93</td>
<td>High density flux ferrite / Neodymium</td>
<td>Water repellent pressed paper/PEI</td>
</tr>
</tbody>
</table>

### SUB specifications

<table>
<thead>
<tr>
<th>Size (mm [in.])</th>
<th>Power Handling</th>
<th>W</th>
<th>Imp. Ω</th>
<th>Freq. Resp. Hz</th>
<th>Sensitivity</th>
<th>Ø Voice Coil mm (in.)</th>
<th>Magnet</th>
<th>Cone</th>
<th>X-mech mm (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS 25.3</td>
<td>250 (10)</td>
<td>600</td>
<td>150</td>
<td>4</td>
<td>32 - 400</td>
<td>89</td>
<td>38 (1.5)</td>
<td>High density flux ferrite</td>
<td>Polypropylene with Mica injection</td>
</tr>
<tr>
<td>DS 30.3</td>
<td>300 (12)</td>
<td>1000</td>
<td>250</td>
<td>4</td>
<td>28 - 300</td>
<td>91</td>
<td>38 (1.5)</td>
<td>High density flux ferrite</td>
<td>Polypropylene with Mica injection</td>
</tr>
</tbody>
</table>

### SUB BOX specifications

<table>
<thead>
<tr>
<th>Speaker Size mm (in.)</th>
<th>Passive Radiator Size mm (in.)</th>
<th>Power Handling</th>
<th>W</th>
<th>Imp. Ω</th>
<th>Freq. Resp. Hz</th>
<th>Sensitivity</th>
<th>Box Size mm (in.)</th>
<th>Magnet</th>
<th>Cone</th>
</tr>
</thead>
<tbody>
<tr>
<td>DBA 201</td>
<td>200 (8)</td>
<td>440</td>
<td>220</td>
<td>4</td>
<td>-</td>
<td>600</td>
<td>291 x 315.5 x 264 (11.46 x 12.42 x 10.39)</td>
<td>High density flux ferrite</td>
<td>Water repellent pressed paper</td>
</tr>
<tr>
<td>DBA 201 F</td>
<td>250 (10)</td>
<td>440</td>
<td>220</td>
<td>4</td>
<td>-</td>
<td>89</td>
<td>345 x 245 x 79 (13.58 x 9.64 x 3.11)</td>
<td>High density flux ferrite</td>
<td>Water repellent pressed paper</td>
</tr>
<tr>
<td>DBX 25.3</td>
<td>250 (10)</td>
<td>600</td>
<td>150</td>
<td>4</td>
<td>32 - 400</td>
<td>89</td>
<td>443 x 227 x 298 (17.4 x 8.9 x 11.7)</td>
<td>High density flux ferrite</td>
<td>Water repellent pressed paper</td>
</tr>
<tr>
<td>DBX 30.3</td>
<td>300 (12)</td>
<td>1000</td>
<td>250</td>
<td>4</td>
<td>28 - 300</td>
<td>91</td>
<td>484 x 227 x 343 (19 x 8.9 x 13.5)</td>
<td>High density flux ferrite</td>
<td>Water repellent pressed paper</td>
</tr>
</tbody>
</table>
### AMP specifications

<table>
<thead>
<tr>
<th>Channel Mode</th>
<th>DP 4.400</th>
<th>DP 4.300</th>
<th>DP 2.200</th>
<th>DP 1.500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Power</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>@ 40 W x ch</td>
<td>4 - 3 - 2</td>
<td>4 - 3 - 2</td>
<td>2 - 1</td>
<td>1</td>
</tr>
<tr>
<td>@ 20 W x ch</td>
<td>75 x 4</td>
<td>60 x 4</td>
<td>80 x 2</td>
<td>280 x 1</td>
</tr>
<tr>
<td>@ 40 W x ch (3 ch)</td>
<td>105 x 4</td>
<td>85 x 4</td>
<td>110 x 2</td>
<td>500 x 1</td>
</tr>
<tr>
<td>@ 20 W x ch (3 ch)</td>
<td>75 x 2 x 210</td>
<td>60 x 2 + 170</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>@ 40 W x ch (bridge)</td>
<td>210 x 2</td>
<td>170 x 2</td>
<td>220 x 1</td>
<td>-</td>
</tr>
<tr>
<td>Filters</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bypass</td>
<td>Yes</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Hi-Pass</td>
<td>Hz @ dB/Oct.</td>
<td>50 - 4k @ 12</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lo-Pass</td>
<td>Hz @ dB/Oct.</td>
<td>50 - 250 @ 24</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Bass Boost</td>
<td>dB @50Hz</td>
<td>0 - 12</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Subsonic filter</td>
<td>Hz @ dB/Oct.</td>
<td>Yes</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Distortion - THD</td>
<td>100 Hz @ 4Ω</td>
<td>%</td>
<td>0.01</td>
<td>0.01</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>Sensitivity @ 1 V RMS</td>
<td>dB</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Damping factor</td>
<td>100 Hz @ 4Ω</td>
<td>130</td>
<td>105</td>
<td>130</td>
</tr>
<tr>
<td>Size W x D x H</td>
<td>mm</td>
<td>335 x 190 x 50</td>
<td>290 x 190 x 50</td>
<td>240 x 190 x 50</td>
</tr>
<tr>
<td></td>
<td>in.</td>
<td>13.19 x 7.48 x 1.96</td>
<td>11.41 x 7.48 x 1.96</td>
<td>9.44 x 7.48 x 1.96</td>
</tr>
</tbody>
</table>

### COAX specifications

<table>
<thead>
<tr>
<th>Size</th>
<th>mm (in.)</th>
<th>Power Handling W</th>
<th>Imp. Ø</th>
<th>Freq. Resp. Hz</th>
<th>Sensitivity dB/SPL</th>
<th>Magnet WF/TW</th>
<th>Woofer/Cone</th>
<th>Tweeter/Dome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Woof</td>
<td>X 130</td>
<td>130 [5]</td>
<td>24 [0.9]</td>
<td>-</td>
<td>160</td>
<td>40</td>
<td>4</td>
<td>60 = 21k</td>
</tr>
<tr>
<td>Twee</td>
<td>X 165</td>
<td>165 [6.5]</td>
<td>24 [0.9]</td>
<td>-</td>
<td>220</td>
<td>55</td>
<td>4</td>
<td>60 = 21k</td>
</tr>
<tr>
<td>Super</td>
<td>X 170</td>
<td>170 [6.7]</td>
<td>24 [0.9]</td>
<td>-</td>
<td>200</td>
<td>50</td>
<td>4</td>
<td>60 = 21k</td>
</tr>
<tr>
<td>Twee</td>
<td>X 690</td>
<td>[6 x 9]</td>
<td>40 [1.6]</td>
<td>2 x 15 [0.6]</td>
<td>340</td>
<td>85</td>
<td>4</td>
<td>45 = 22k</td>
</tr>
</tbody>
</table>

### SYSTEM specifications

<table>
<thead>
<tr>
<th>Size</th>
<th>mm (in.)</th>
<th>Power Handling W</th>
<th>Imp. Ø</th>
<th>Freq. Resp. Hz</th>
<th>Sensitivity dB/SPL</th>
<th>Magnet</th>
<th>Cone/Dome</th>
<th>Crossover included</th>
</tr>
</thead>
<tbody>
<tr>
<td>Woof</td>
<td>K 130</td>
<td>V 130 130 [5]</td>
<td>T 24 24 [0.9]</td>
<td>220</td>
<td>55</td>
<td>4</td>
<td>55 + 23k</td>
<td>93</td>
</tr>
<tr>
<td>Twee</td>
<td>K 165</td>
<td>V 165 165 [6.5]</td>
<td>T 24 24 [0.9]</td>
<td>300</td>
<td>75</td>
<td>4</td>
<td>55 + 23k</td>
<td>93.5</td>
</tr>
<tr>
<td>Super</td>
<td>K 170</td>
<td>V 170 170 [6.7]</td>
<td>T 24 24 [0.9]</td>
<td>280</td>
<td>70</td>
<td>4</td>
<td>55 + 23k</td>
<td>93.5</td>
</tr>
</tbody>
</table>

### SUB specifications

<table>
<thead>
<tr>
<th>Size</th>
<th>mm (in.)</th>
<th>Power Handling W</th>
<th>Imp. Ø</th>
<th>Sensitivity dB/SPL</th>
<th>Ø Voice Coil mm (in.)</th>
<th>Magnet</th>
<th>Cone</th>
<th>X-mech</th>
</tr>
</thead>
<tbody>
<tr>
<td>S 300 S4</td>
<td>300 [12]</td>
<td>1000</td>
<td>250</td>
<td>4</td>
<td>89.5</td>
<td>38 [1.5]</td>
<td>High density flux ferrite</td>
<td>Painted Pressed Paper Pulp</td>
</tr>
</tbody>
</table>

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### Tweeter Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Size (mm)</th>
<th>Power Handling</th>
<th>Imp.</th>
<th>Freq. Resp.</th>
<th>Sensitivity</th>
<th>Voice Coil</th>
<th>Magnet</th>
<th>Cone</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 25A NEO</td>
<td>44 (1.8)</td>
<td>100 (Hi-Pass filtered @ 5 kHz - 12 dB/ Oct.)</td>
<td>4</td>
<td>3k = 20k</td>
<td>107</td>
<td>25 (1)</td>
<td>-</td>
<td>Neodymium</td>
</tr>
<tr>
<td>ST 25K NEO</td>
<td>44 (1.8)</td>
<td>100 (Hi-Pass filtered @ 5 kHz - 12 dB/ Oct.)</td>
<td>4</td>
<td>3k = 20k</td>
<td>107</td>
<td>25 (1)</td>
<td>-</td>
<td>Aluminium</td>
</tr>
<tr>
<td>ST 35K NEO</td>
<td>46 (1.9)</td>
<td>100 (Hi-Pass filtered @ 4.5 kHz - 12 dB/ Oct.)</td>
<td>4</td>
<td>2.5k = 20k</td>
<td>109</td>
<td>35 (1.4)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>ST 35A NEO</td>
<td>46 (1.9)</td>
<td>100 (Hi-Pass filtered @ 4.5 kHz - 12 dB/ Oct.)</td>
<td>4</td>
<td>2.5k = 20k</td>
<td>109</td>
<td>35 (1.4)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### Coax Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Size (mm)</th>
<th>Power Handling</th>
<th>Imp.</th>
<th>Freq. Resp.</th>
<th>Sensitivity</th>
<th>Voice Coil</th>
<th>Magnet</th>
<th>Cone</th>
</tr>
</thead>
<tbody>
<tr>
<td>SX 165 NEO</td>
<td>165 (6.5)</td>
<td>35 (1.4)</td>
<td>4</td>
<td>100 = 20k</td>
<td>96.5</td>
<td>-</td>
<td>-</td>
<td>Neodymium</td>
</tr>
<tr>
<td>SX 200 NEO</td>
<td>200 (8)</td>
<td>35 (1.4)</td>
<td>4</td>
<td>100 = 20k</td>
<td>99.5</td>
<td>-</td>
<td>-</td>
<td>Water repellent pressed paper</td>
</tr>
<tr>
<td>SX 690 NEO</td>
<td>6 x 9</td>
<td>29 (1.14)</td>
<td>20 (0.8)</td>
<td>250</td>
<td>130</td>
<td>45 (2)</td>
<td>-</td>
<td>Ultra Light pressed paper</td>
</tr>
</tbody>
</table>

### Comp Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Size (mm)</th>
<th>Power Handling</th>
<th>Imp.</th>
<th>Freq. Resp.</th>
<th>Sensitivity</th>
<th>Voice Coil</th>
<th>Magnet</th>
<th>Cone</th>
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<tbody>
<tr>
<td>SV 165 NEO</td>
<td>165 (6.5)</td>
<td>200</td>
<td>4</td>
<td>150 = 20k</td>
<td>96</td>
<td>38 (1.5)</td>
<td>-</td>
<td>Neodymium</td>
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<tr>
<td>SV 200 NEO</td>
<td>200 (8)</td>
<td>500</td>
<td>4</td>
<td>100 = 8k</td>
<td>100</td>
<td>38 (1.5)</td>
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<tr>
<td>SV 165.1</td>
<td>165 (6.5)</td>
<td>400 (Hi-Pass filtered @ 200 Hz - 12 dB/ Oct.)</td>
<td>4</td>
<td>100 = 10k</td>
<td>97</td>
<td>38 (1.5)</td>
<td>Ultra Light pressed paper</td>
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<tr>
<td>SV 200.1</td>
<td>200 (8)</td>
<td>500 (Hi-Pass filtered @ 150 Hz - 12 dB/ Oct.)</td>
<td>4</td>
<td>100 = 9k</td>
<td>100</td>
<td>38 (1.5)</td>
<td>Ultra Light non-pressed paper</td>
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<tr>
<td>SV 200L</td>
<td>200 (8)</td>
<td>500 (Hi-Pass filtered @ 150 Hz - 12 dB/ Oct.)</td>
<td>4</td>
<td>45 = 45k</td>
<td>95 (2)</td>
<td>High density flux ferrite</td>
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<tr>
<td>SV 250.1</td>
<td>250 (10)</td>
<td>500 (Hi-Pass filtered @ 150 Hz - 12 dB/ Oct.)</td>
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<td>90 = 7k</td>
<td>101</td>
<td>50 (2)</td>
<td>Ultra Light pressed paper</td>
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</tbody>
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### Sub Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Size (mm)</th>
<th>Power Handling</th>
<th>Imp.</th>
<th>Sensitivity</th>
<th>Voice Coil</th>
<th>Magnet</th>
<th>Cone</th>
<th>X-mech (mm)</th>
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<tbody>
<tr>
<td>SS12 D2</td>
<td>300 (12)</td>
<td>2000</td>
<td>2 + 2</td>
<td>86</td>
<td>75 (3)</td>
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<td>SS 15 D2</td>
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### Amp Specifications

<table>
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<tr>
<th>Channel Mode</th>
<th>Output Power</th>
<th>Filters</th>
<th>Bass Boost</th>
<th>Subsonic Filter</th>
<th>Distortion - THD</th>
<th>S/N Ratio</th>
<th>Damping Factor</th>
<th>Size W x D x H</th>
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</thead>
<tbody>
<tr>
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<td>Bypass</td>
<td>dB @45Hz</td>
<td>Hz @ dB/Oct.</td>
<td>1 kHz @ 40</td>
<td>Sensitivity @ 1 V RMS</td>
<td>100 Hz @ 40</td>
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<td>Yes</td>
<td>0 - 8</td>
<td>0 - 8</td>
<td>0.02</td>
<td>105</td>
<td>200</td>
<td>211.6 x 130 x 49</td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>0.02</td>
<td>105 &gt; 100</td>
<td>200</td>
<td>211.6 x 130 x 49</td>
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<td>0 - 8</td>
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<td>&lt;0.02</td>
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<td>211.6 x 130 x 49</td>
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<td>211.6 x 130 x 49</td>
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<td>105 &gt; 100</td>
<td>200</td>
<td>211.6 x 130 x 49</td>
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</table>

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ELETTROMEDIA, EVOLUTION OF TECHNOLOGY AND ART OF SOUND

FOUNDED IN 1987, ELETTROMEDIA IS NOWADAYS THE WORLD LEADER IN THE MOBILE AND MARINE AUDIO MARKET FOR THE MANUFACTURING OF AMPLIFIERS, LOUDSPEAKERS AND DIGITAL SOUND PROCESSOR.

LOUDSPEAKER DESIGN SUITE

In order to increase efficiency and accuracy in the design validation process, our R&D team developed four proprietary FEM applications within COMSOL® Multiphysics Modeling Software for simulating specific aspects of loudspeaker design; Lumped Parameters, Electromagnetic, Suspension and Vibroacoustic.

This software includes a tailored graphical user interface which can realise unlimited virtual prototypes at the same time, and all within 5% of a physical prototype. Adopted daily by our engineers, this cutting-edge Design Suite optimises the lead-time from receipt of a customized project to supplying approved physical samples, so our customers can plan their own project development schedule with confidence.

Born in Potenza Picena by a group of friends who shared the same passion for in-car high fidelity, throughout the past years Elettromedia has been walking the path of excellence: its products are distributed in more than 60 countries; the company has received many awards and acknowledgements from the most authoritative leaders within the car audio industry; it also boasts reviews of more than 4000 pages published in 30 different languages.

The Elettromedia brands are Audison, Hertz and Connection.

Through a co-branding strategy, the company offers all of the components required for a complete, top-level audio system. In 2008, Elettromedia founded Lavoce Italiana a company specialized in loudspeaker design and production for the professional audio industry.

At our state-of-the-art R&D center in Potenza Picena, Italy, our experienced and Ph.D. infused Research Department and R&D team are focused on innovation in every aspect, continuously looking to push the boundaries of sound quality, product reliability and consistency of electro-acoustic performance, whilst ensuring each and every product has that distinct cost-effective edge and design elegance synonymous with Elettromedia.