



HECO®

Celan XT 501

The legendary Heco Celan series truly deserves its reference status based on a wide range of convincing test victories earned over the past few years. When the Celan series was originally conceived, the Heco design team focused on the reintroduction of traditional materials such as Kraft paper cones and solid aluminium die cast chassis but combined with state-of-the-art technology. The overwhelming international success of these products has ensured the Celan series its place as the reference range of loudspeakers in its class.

Far from resting on their laurels, the Heco design team has now redefined the term "reference" with the new Celan-XT series. Heco introduces this range as a legitimate successor to the original Celan models for that that title. All of the original components have been re-examined, optimised, re-designed and where necessary replaced, with newly created elements right down to the smallest detail.

The 25 mm fabric dome tweeter based on the original Celan unit is still coated with nano particles but features a new, extra powerful, neodymium magnet system, which is second to none. The dome is mounted in a machined aluminium flange incorporating horn loading for improved acoustic coupling. This tweeter comes into effect at around 3.4 kHz and it effortlessly reproduces high frequency information up to and over 50 KHz.

A 170 mm bass-midrange driver with a long throw surround caters for the mid and lower frequency range.



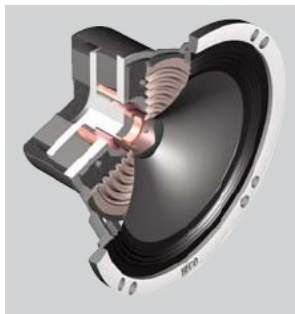


Regardless of application, each driver features a sturdy die-cast aluminium chassis and a carefully linearised magnet system to allow the moving parts to accurately track the incoming signal.

New nano particle coated 25mm tweeter with short horn and newly developed neodymium drive.



A precisely engineered crossover filter relays the appropriate portion of the music signal to each driver. All of the components used are of high quality and tightly tolerated to allow the complete system to meet the exacting requirements of the Heco design team.



Specially developed woofers built on substantial 32 mm voice coils and again featuring Kraft paper cones, large dust caps and long throw surrounds deliver the lower frequencies in the free-standing speakers.

Woofer and midrange chassis with stable aluminium die-cast baskets and linearizes magnet system.



The bass reflex ports, like the driver chassis, are also manufactured from cast aluminium and are bolted securely to the rear of each cabinet.



The speaker range is now available in high-gloss silver, cherry wood veneer and the new finishes of high-gloss black or high quality walnut veneer.

Elaborately designed and immensely strong MDF cabinets provide a solid foundation for each driver. The distinctive asymmetric shape of the Celan series has been retained although the upper face has been modified with an angled front baffle. This ensures that internal reflections are effectively reduced while strengthening the cabinet in this key area. The cabinet also has interior bracing at multiple locations.



A large metal terminal panel is also located at the rear in the distinctive Heco style. The heavy duty terminals are gold plated to ensure a durable, good quality connection and are encapsulated in acrylic. They allow very secure connections to be made even when attaching very heavy gauge loudspeaker cable.

The terminals allow both bi-wiring and bi-amped operation. The treble level can be also be adjusted at this point with "linear" and "+2 dB" settings to allow the speakers to best match the acoustics of the room in which they are placed.

Specification

Principle

2 ½ Way floor standing bass reflex speaker.

Drivers

1 x 6.5" woofer

1 x 6.5" midrange woofer.

1 x 1" dome tweeter.

Recommended amplifier output

30 – 300 watts.

Crossover frequency

300 / 3400 Hz.



Sensitivity	91 dB
Dimensions h/w/d	1035 / 240 / 368 mm
Frequency Response	24 Hz – 52 kHz
Gross Weight	25 kg per unit
Nominal Impedance	4 – 8 ohms
Loading	Bass Reflex
Power handling (RMS / max)	180 / 300watts

Choice of finishes

<p>Cherry Real Wood Veneer</p>	<p>Walnut Real Wood Veneer</p>
<p>High Gloss Black Paint</p>	<p>High Gloss Silver Paint</p>