



HECO®

Celan XT 701

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.

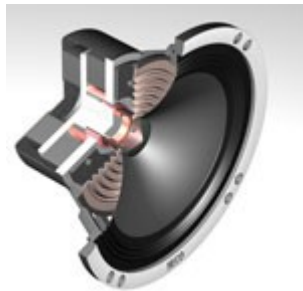
Far from resting on their laurels, the Heco design team has now redefined the term "reference" with the new Celan-XT series. Heco introduces this range as a legitimate successor to the original Celan models for that that title. All of the original components have been re-examined, optimised, re-designed 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 dedicated mid-range driver, newly developed for optimal wide bandwidth playback, based on a 25mm voice coil and equipped with the Kraft paper cone, a coated fabric surround and a light paper dust cap operates at frequencies below 3.4 kHz in the Celan XT 701. This ensures an extremely natural, tonally accurate, mid-range portrayal.

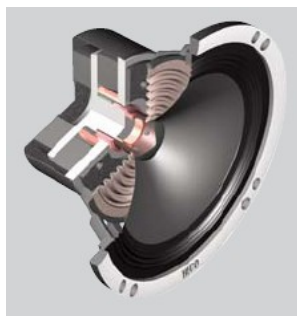




Regardless of application, each driver features a sturdy die-cast aluminium chassis and a carefully linearised magnet system to allow the moving parts to accurately track the incoming signal.
New nano particle coated 25mm tweeter with short horn and newly developed neodymium drive.



New developed, optimised midrange with Kraft paper cone, light paper dust cap, coated cloth surround and 25mm voice coil.



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.



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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.





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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 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. 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 toleranced to allow the complete system to meet the exacting requirements of the Heco design team.

Specification

Principle
Drivers

3 Way floor standing bass reflex speaker.

2 x 6.5" woofer

1 x 6.5" midrange.

1 x 1" dome tweeter.

Recommended amplifier output

30 – 350 watts.

Crossover frequency

250 / 3400 Hz.

Sensitivity

92 dB

Dimensions h/w/d

1135 / 240 / 368 mm

Frequency Response

22 Hz – 52 kHz

Gross Weight

29 kg per unit

Nominal Impedance

4 – 8 ohms

Loading

Bass Reflex

Power handling (RMS / max)

220 / 350watts

Choice of finishes



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Cherry Real Wood Veneer



Walnut Real Wood Veneer





High Gloss Black Paint



High Gloss Silver Paint