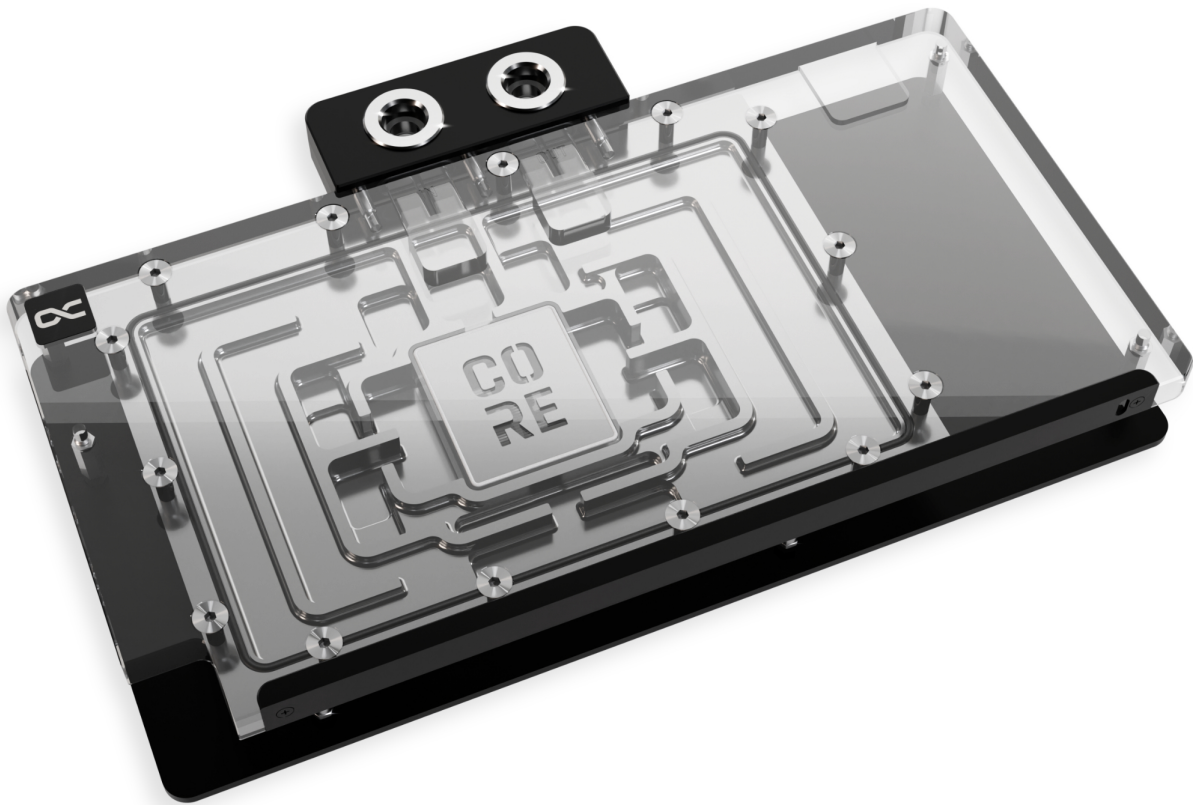


Alphacool Core Geforce RTX 5090 ROG Astral with backplate

Alphacool article number: 10270



Quick Info

Alphacool introduces its new series of graphics card water coolers for the latest Nvidia GeForce RTX generation. Part of the Core product series, these coolers combine the highest quality with exceptional performance. Thanks to an optimized technical design, these GPU coolers deliver outstanding cooling performance.

- Optimized water flow through software and practical measurements
- Massive brass threads for secure fastening
- Superior chrome plating instead of nickel plating on the copper cooler
- Core design for maximum quality and feel

Compatibility

- Asus ASUS ROG Astral GeForce RTX™ 5090 32GB GDDR7 (90YV0LW1-M0NA00)
- Asus ASUS ROG Astral GeForce RTX™ 5090 32GB GDDR7 OC Edition (90YV0LW0-M0NA00)
- Asus ASUS ROG Astral LC GeForce RTX™ 5090 32GB GDDR7 (90YV0LW3-M0NA00)
- Asus ASUS ROG Astral LC GeForce RTX™ 5090 32GB GDDR7 OC Edition (90YV0LW2-M0NA00)

Scope of delivery

1x Core Geforce RTX 5090 ROG Astral cooler	1x 20x8x3mm Pad
1x Backplate	1x Thermal Grease
2x 68x15x1mm Pad	1x Putty tool
1x 54x15x1mm Pad	1x ARGB Adapter
6x 8x8x1mm Pad	1x PCIe Bracket
2x 12x15x1mm Pad	1x Plug tool
1x 98x8x1mm Pad	1x Screwdriver
1x 107x8x1mm Pad	2x G1/4" Plug
2x 68x8x3mm Pad	6x M2x10mm screws
1x 45x45x3mm Pad	1x M2x5mm spring screw
1x 55x15x3mm Pad	1x washer
2x 13x15x3mm Pad	1x M2x4mm screw

Technical data cooler

Dimensions total (L x W x H)	260,25 x 160,90 x 34,32mm
Material cooler	chrome-plated copper
Material cooler top	Acrylic
Material terminal	Nylon
Material Connection thread	Brass
Max working temperature	60°C
Pressure tested	0,8 bar
Threads	4 x G1/4"
Thickness cooler bottom	3,25mm
Thickness cooling fins	0,4mm
Distance cooling fins	0,4mm
Illumination	digital aRGB LEDs
Power connector digital aRGB LEDs	3-Pin JST
Power digital aRGB LEDs	5V
Number of digital aRGB LEDs	12
Color	transparent

Technical data backplate

Dimensions (L x W x H)	260,25 x 132,50 x 6mm
Thick backplate without spacers	3mm
Material	Aluminium

Download links

Product pictures	10270_Alphacool_Core_Geforce_RTX_5090_ROG_Astral_with_backplate_pics.zip
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Packaging dimensions per unit

L x W x H	350 x 205 x 60 mm
Weight	1700 g

Other data

Certificates	CE, FC, RoHS
EAN	4250197102704
Customs code	84195080900
Guarantee	3 years

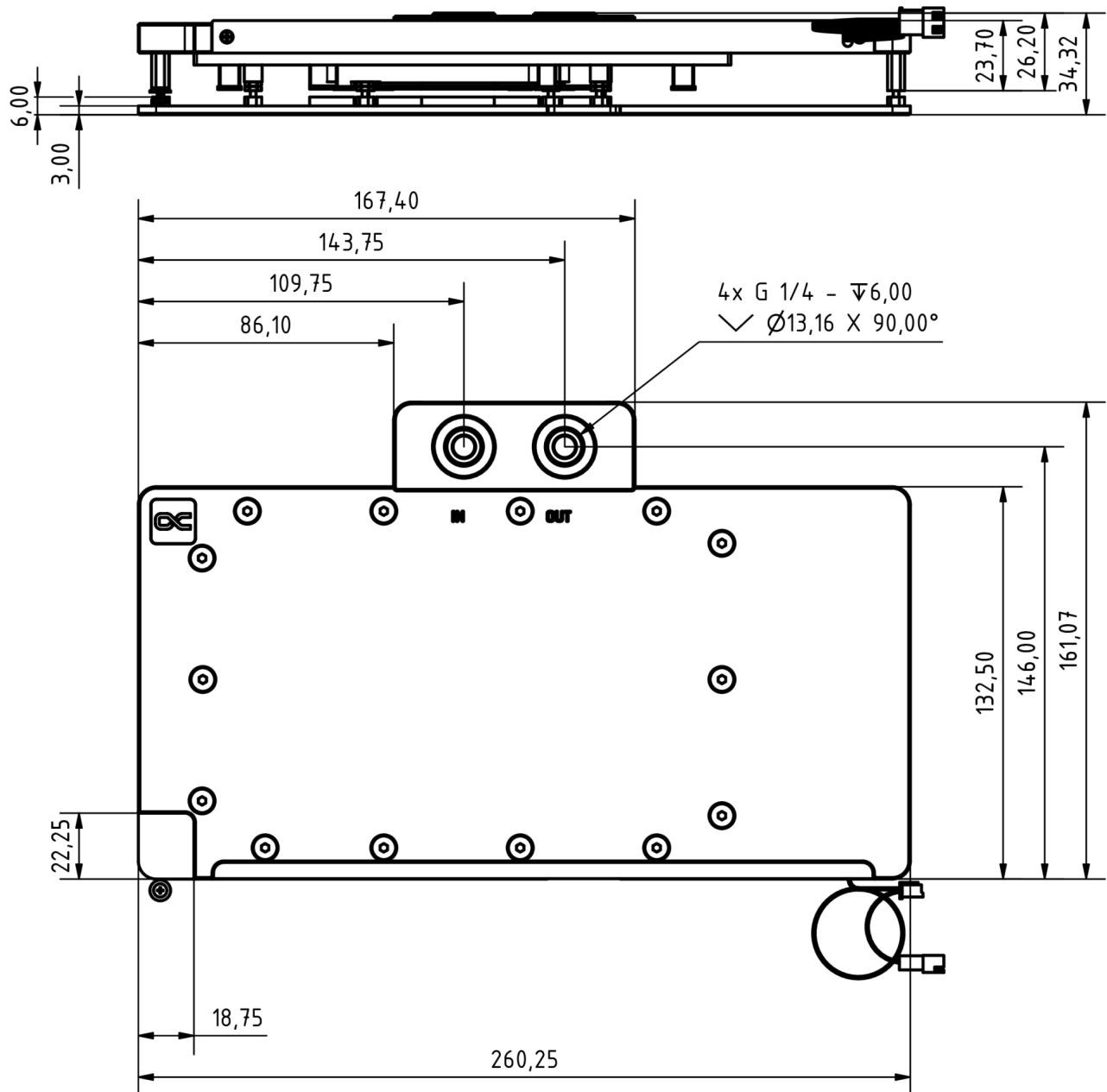
Article text

Alphacool introduces its new series of graphics card water coolers for the latest Nvidia GeForce RTX generation. Part of the Core product series, these coolers combine the highest quality with exceptional performance. Thanks to an optimized technical design, these GPU coolers deliver outstanding cooling performance.

At the heart of the cooler is a copper block, precisely milled from a single piece and complemented by a precisely crafted brass terminal with a nylon cover. A chrome finish enhances the copper cooler's durability and provides a smoother, more radiant surface than traditional nickel plating.

The visual design of the GPU water cooler has been slightly modified. A new highlight is the Core emblem placed above the jetplate, which emphasizes its affiliation with the Core series and visually enhances the design. The series continues to feature high-quality brass connectors that ensure optimal quality and safety. The specially adapted aluminum backplate covers the entire backside of the copper cooler, ensuring a clear and uniform appearance. The acrylic, combined with aRGB lighting, allows for even and impressive illumination of the entire cooler.

The GPU water cooler has been completely overhauled technically. To optimize cooling performance, the distances between the cooler and the components of the PCB were redefined and tested. The water flow was simulated using the most advanced software and verified through practical tests. These extensive tests allowed for improvements to the cooler base and jetplate, ensuring the best possible cooling performance for the new Nvidia GeForce RTX generation.



General tolerance: $\pm 0,25$ mm
 Thickness with graphics card (PCB)
 Dimension in millimeter