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Alphacool Eisblock ES Acetal GPX-N Quadro RTX A6000 with Backplate

Alphacool article number: 10668

Quick Info

The Alphacool Eisblock ES Acetal GPX-N Quadro RTX A6000 was specially developed for the Alphacool Enterprise series. The fullcover cooler with aluminium backplate cools the GPU and all important components such as voltage converters and the graphics memory directly with water

- Fullcover water block
- Nickel plated copper cooler
- Aluminium backplate included

Scope of delivery

1 x 15x15x1mm thermal pad	3 x 8x84x2mm thermal pad
1 x 15x38x1mm thermal pad	1 x 8x74x2mm thermal pad
2 x 15x51x1mm thermal pad	1 x 30x30x2mm thermal pad
1 x 8x8x1mm thermal pad	4 x M2x5 screws
3 x 8x84x1mm thermal pad	4 x M2 washers
1 x 8x74x1mm thermal pad	6 x M2x11 screws
1 x 15x38x2mm thermal pad	4 x M3x8 screws
2 x 15x51x2mm thermal pad	1 x Thermal grease
1 x 15x15x2mm thermal pad	1 x Cover Plate

Technical data

Dimension (L x W x H)	232 x 97,35 x 19 mm
Material cooler	Nickle-plated copper
Material cooler top	acetal, brass
Threads	2 x G1/4“
Thickness cooling fins	0,6 mm
Pressure tested	8 bar
Max working temperature	60°C

Technical data backplate

Dimension (L x W x H)	177,07 x 97,35 x 6 mm
Material	Aluminium
Color	Black

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Manual	10668_Alphacool_Eisblock_ES_Acetal_GPX-N_Quadro_RTX_A6000_with_Backplate_Manual.pdf
Product pictures	10668_Alphacool_Eisblock_ES_Acetal_GPX-N_Quadro_RTX_A6000_with_Backplate_pics.zip
EU-DoC / CE / RoHS	Alphacool_EuDoc_CE_RoHS_10668.pdf

Packaging dimensions per unit

L x W x H	350 x 170 x 45 mm
Weight	1210 g

Other data

Certificates	CE, FC, RoHS
EAN	4250197106689
Customs code	84195080900
Guarantee	3 years

Article text

The Alphacool Eisblock ES Acetal GPX-N Quadro RTX A6000 was specially developed for the Alphacool Enterprise series. The fullcover cooler with aluminium backplate cools the GPU and all important components such as voltage converters and the graphics memory directly with water.

Connections to the rear?

Server cases offer different dimensions than normal PC cases. To save space in width and height, the connections were moved to the back. Another advantage is that it is easier to connect the tubing of a complete server rack with this kind of positioning of the connections. This means that even quick-release fasteners with G1/4" external thread can be screwed directly to the graphics card as already offered by Alphacool.

More performance!

During the development of the Eisblock ES Acetal GPX-N Quadro RTX A6000 graphics card waterblock, we naturally placed great emphasis on increasing performance. For the first step, the cooler was brought closer to the individual components by reducing the thermal pads to a thickness of 1 mm. Next, the nickel-plated copper block was also made thinner. Instead of 7 mm, it is now only 5.5 mm thick. The water flow within the cooler was also optimized. All important components such as the voltage converters and the RAM are now cooled much better and more effectively by water. All this provides a significant increase in cooling performance.

Copper or aluminum?

Alphacool, of course, only uses copper in its water coolers. In the Eisblock ES Acetal GPX-N Quadro RTX A6000 the copper is nickel-plated. However, compared to the previous models, Alphacool has improved the type of nickel plating once again. This has significantly increased the acid resistance and is intended to prevent nickel plating from flaking off. Why does Alphacool use copper instead of aluminum? Copper simply has almost twice the thermal conductivity of aluminum and is therefore clearly the better material for water cooling.