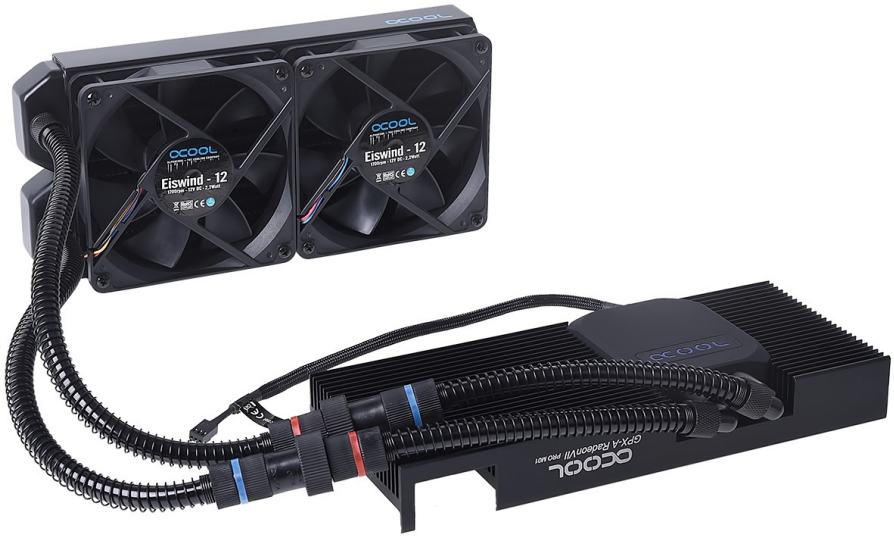
ALPHACOOL – THE COOLING COMPANY



Alphacool Eiswolf GPX-Pro AiO 280 M04

What is it?

A powerful AiO water cooling system which fully utilizes DIY elements and is expandable thanks to a quick-release fastener. All water-bearing components are made of copper or acetal to guarantee the highest possible cooling performance.

Highlights

- expandable by the quick fastener (Eisbaer Ready)
- solid copper radiator
- powerful 240 mm NexXxoS ST30 Radiator
- suctioning silent DC-LT pump

Version: 09.05.2019

We assume no responsibility for any typing errors.

Alphacool International GmbH, Marienberger Strasse 1, 38122 Braunschweig Tel: (+49)0531 288 740 Supportmail: info@alphacool.com

Scope of delivery
2 x 30 x 30 x 0,5 mm heat conduction pad
4 x 30 x 30 x 2 mm heat conduction pad
12 x 15 x 15 x 0,5 mm heat conduction pad
12 x 15 x 15 x 2 mm heat conduction pad
3 x M3x5 screws
1 x M3 nuts
2 x M3 washer
8 x M3x11 screws
1 x heat-conducting paste
1 x 3-Pin Y-splitter

Technical data GPU cooler	
B x T x H	125 x 295 x 38 mm
Net weight	2089 g
Max working temperature	60 °C
Material cooler	Vernickeltes Kupfer
Material cooler and pump housing	Acetal
Material cooler	Nickel-plated copper
Thikness of fins	0,6 mm
Threads	2 x G1/4“
Power supply Logo and pump	3-Pin
Voltage	12 VDC
Pressure tested	1,5 Bar
Certificates	CE, FC, ROHS

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Technical data	
B x T x H	296 x 124 x 30 mm
Max working temperature	180 °C
cooling fins	copper
Material cooling channels	copper
Material prechambers	copper
Material outer housing	steel
Fins per Inch	15
Threads	3 x G1/4“
Thread size Fan mounting	M3
Fan size	120 mm
Fan slots	2 one sided / 4 both sided
Fan threads	M3
Pressure tested	1,5 Bar
Certificates	CE, FC, RoHS

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Product pics download	https://www.alphacool.com/download/1016329_GPX-Pro_M06.zip

Manual PDF	https://www.alphacool.com/download/GPX-Pro_N-2080Ti_M06.pdf

Other data	
Article number Alphacool	11691
EAN Code	4250197116916
PU Box	9
Dimensions PU B x T x H	36,5 x 41,5 x 14 cm,
Weight	3847 g
Customs code	84195080900

Article text

Alphacool is an internationally renowned company in the field of water cooling solutions for industrial and end users. Developing new innovative products and always improving existing products ensures that Alphacool are always pushing the boundaries for performance for home, server and industrial use

The first real AiO for graphics cards
The Eiswolf GPX-Pro cooler is the first real AiO that was developed specially for cooling graphics cards. Previous solutions were usually hybrid solutions, consisting of an AiO CPU cooler and an adapted cooling block including additional air cooling. The NexXxoS GPX cooler serves as the foundation for the Eiswolf GPX Pro however, various improvements have been made to the cooling block. These have significantly increased the cooling performance of the voltage converters. The cooling block and pump have also been optimized for the large die of the GPUs and also the HBM . In addition, each Eiswolf GPX-Pro cooler comes with a backplate that is in direct contact with the actual cooler. This offers two advantages. On the one hand, the heat can be better dissipated from the back, on the other hand, the PCB of the graphics card is completely covered making it look far nicer.

Powerful Silent Pump
The Alphacool DC-LT pump has been continuously developed and optimised for years. The DC-LT is used in various AiO coolers for CPUs and GPUs and even in the classic DiY range. The pump is particularly popular for building compact loops where space is at a minimum. Despite its extremely compact dimensions, it offers high performance with head pressure of 0.85 m. This is enough to power a small cooling circuit even if other components are integrated into the circuit. The pump is almost silent thanks to the new suction principle, flow noise and vibrations are minimized.

Expandability
The Eiswolf GPX-Pro cooler is an Eisbaer Ready product. This means that the Eisbaer cooler can easily be connected to other components via the pre-assembled quick coupling. For example, If you already have an Eisbaer CPU AiO cooler, you will be able to connect the Eiswolf GPX-Pro and have a single loop. You

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can also connect it to a custom loop with the quick disconnects too! It is no problem if a more powerful pump is already used in the DIY water circuit. For better compatibility, all connections, hoses and other components are from the custom cooling range and can therefore be easily replaced if necessary.

Aluminium? No thanks!

The radiator comes from the world-renowned NexXxoS ST30 series and has always offered outstanding cooling performance. All water-bearing components are made of pure copper. This includes the end chambers, the cooling channels and of course the cooling fins attached to them. All other components of the Eiswolf GPX-Pro are also made of copper or plastic.

Problems with different metals are thus completely avoided.

Why AiO water cooling?

Good cooling not only increases the life expectancy of a graphics card, but also allows higher boost clock rates. These are dependent on two factors. On the one hand from a general power limit of the graphics card and on the other hand from the temperature. The lower the temperature, the lower the consumption. Thus, the maximum boost clock can be held longer or even permanently.

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