

## Alphacool NexXoS ST30 Full Copper 280mm Radiator V.2 - White Special Edition

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### Quick Info

The Alphacool NexXoS V.2 Radiator series represents the next generation of high-end solid copper radiators. They offer not only a new design (White Special Edition), but also technical highlights such as the patented locking screws, which are flush with the radiator.

- patented screw plugs
- new, modern design
- solid copper radiator

### Scope of delivery

1x Alphacool NexXoS ST30 Full Copper 280mm Radiator V.2, White Special Edition	2x screw plug
8x M3x8 screw	1x Allen key
8x M3x30 screw	1x screw plug tool
8x M3x45 screw	

## Technical data

L x W x H	316 x 144 x 30 mm
Material cooling fins	copper
Material cooling channels	copper
Prechamber material	copper
Material outer housing	steel
Fins per Inch	15
Threads	5x G1/4"
Thread size fan mounting	M3
Fan size	140 mm
Fan slots	2 one-sided / 4 double-sided
Pressure tested	0,8 bar
Max working temperature	180 °C
Weight	679 g
Colour	Weiss

## Download links

Manual	<a href="#">11928_Alphacool_NexXoS_ST30_Full_Copper_280mm_Radiator_V.2_-_White_Special_Edition_Manual.pdf</a>
Product pictures	<a href="#">11928_Alphacool_NexXoS_ST30_Full_Copper_280mm_Radiator_V.2_-_White_Special_Edition_pics.zip</a>

## Packaging dimensions per unit

L x W x H	380 x 155 x 40 mm
Weight	885 g

## Other data

Certificates	CE, FC, RoHS
EAN	4250197119283
Customs code	84195080900
Guarantee	10 years

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### **Uncompromising choice of materials**

As usual, Alphacool uses pure copper for the NexXoS V.2 radiators White Special Edition. The end chambers, the water channels and the cooling fins are made of copper and are a unique selling point worldwide. No other manufacturer uses pure copper for all these components. As a result, Alphacool radiators have been among the most popular and best on the market for many years. The perfect foundation for any water cooling system.

### **Full cooling capacity**

To maximize the performance of a radiator, Alphacool reaches deep into the trickbox. Copper is the beginning. With a thermal conductivity of 400 W/mK for copper, compared to 236 W/mK for aluminum, the winner in this comparison is absolutely clear. The fin density is also specially chosen to work for the user. Alphacool is one of the oldest companies in the field of water cooling and has carried out countless tests in the laboratory. The result is a fin density of 15 FPI. This means that the air flow is only slightly obstructed so that the air can move through without high pressure, however, the cooling capacity does not suffer from this. On the contrary. In order to make optimum use of the air flow, all cooling fins have small flaps on them. Some may know these from motorsport or aircraft design. Flaps are tiny wings that direct the airflow in the desired direction. With radiators, these are barely 1 mm high, but still provide controlled air turbulence to increase cooling performance and minimize flow noise.

### **Patented screw plugs**

All NexXoS V.2 radiators rely on the patented stop fittings from Alphacool. Anyone who has mounted a radiator on the front or in the ceiling of a housing knows that protruding screw plugs can ruin the aesthetic as the radiator cannot be placed flush. Alphacool offers a solution with the patented screw plugs. They are fully countersunk in the radiator and sit flush with its surface. This means that nothing stands in the way of clean installation. Of course, the radiators also look much more elegant with the locking screws.

### **Plenty of connection options**

All versions of the NexXoS V.2 radiators White Special Edition have two connection options for IN and OUT, one on each side. On the opposite side to the in/outlets the NexXoS V.2 radiators now also have a fill or vent port. Of course, this connection can also be used to empty the water cooling loop. In any case, experienced users will be pleased.

### **The right size for every application**

The NexXoS V.2 radiators of the White Special Edition are available in the sizes 280mm and 360mm, each as an ST30 or XT45 variant. The difference between the two is simply the thickness. ST30 stands for a thickness of 30 mm, XT45 for a thickness of 45 mm.

### **Safety first**

The NexXoS V.2, like the previous NexXoS radiators, offers special protection that prevents screws from penetrating the radiator when attaching fans or when mounting the radiator to the case. Protective plates have been placed under all mounting holes to prevent the screws from being screwed in too deeply. This protects the cooling fins and channels underneath.

The King is Dead, Long live the King. Those who were happy with the previous NexXoS radiators will appreciate the many small improvements that the NexXoS V.2 radiators offer. Now one of the best radiators has been made even better. Your system deserves them.