

## Alphacool NexXoS XT45 Full Copper 1080mm Nova Radiator

Alphacool article number: 14349



### Quick Info

Would you like a little more? Alphacool NexXoS XT45 1080mm Nova! 35 x 35 x 45 cm of pure cooling surface for nine 120mm or four 200 mm fans. Only one other Alphacool Radiator offers more cooling surface in one unit. The Alphacool NexXoS XT45 1260 SuperNova Radiator.

- solid copper radiator
- large cooling surface
- detachable mounting frame

### Scope of delivery

36 x M3x30  
1 x screw plug  
1 x allen key

## Technical data

L x W x H	378 x 360 x 46,5 mm
Net weight	2588 g
Material cooling fins	Kupfer
Material cooling channels	Kupfer
Prechamber material	Kupfer
Material outer housing	Stahl
Fins per Inch	12
Threads	3 x G1/4"
Thread size fan mounting	M3
Fan size	120 mm
Fan slots	9
Pressure tested	0,8 bar
Color	black

## Download links

Product pictures	<a href="#">14349_Alphacool_NexXoS_XT45_Full_Copper_1080mm_Nova_Radiator_pics.zip</a>
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## Packaging dimensions per unit

L x W x H	415 x 380 x 55 mm
Weight	3040 g

## Other data

Certificates	CE, FC, RoHS
EAN	4250197143493
Customs code	84195080900

### **Would you like a little more?**

Alphacool NexXoS XT45 1080mm Nova! 35 x 35 x 45 cm of pure cooling surface for nine 120mm or four 180 mm fans. Only one other Alphacool Radiator offers more cooling surface in one unit. The Alphacool NexXoS XT45 1260 SuperNova Radiator.

### **Make No Compromises, Use Copper.**

As usual, Alphacool also uses pure copper for the NexXoS 1080 SuperNova Radiator. The end chambers, water channels and cooling fins are all made of copper and are a unique selling point worldwide. As a result, Alphacool radiators have been among the most popular and best on the market for many years, providing the perfect foundation for every water cooling system.

### **Full Cooling Capacity**

To maximize the performance of a radiator, Alphacool reaches deep into its bag of tricks. Copper is the starting point. With a thermal conductivity of 400 W/(mK) for copper compared to 236 W/(mK) for aluminium, the winner is clear. Alongside this is the special fin density. Alphacool is one of the oldest companies in the field of water cooling and has carried out countless laboratory tests. The result, especially for such large radiators, is a fin spacing of 12 FPI. This means that the air flow is almost unobstructed as the air can pass through even without high pressure. However, the cooling capacity does not suffer from this, on the contrary. To use the airflow optimally, all cooling fins have small serrations. These are tiny flaps that guide the airflow in the desired direction and increase the surface area. In the case of radiators, they are barely 1 mm high, but still provide controlled air turbulence to increase cooling capacity and minimise airflow noise.

### **Which fans?**

The 1080 Nova radiator has space for nine 120 mm fans on the mounting frame. If you want to operate the radiator passively, you can remove the mounting plate in order not to obstruct the natural airflow. Of course, the mounting plates for both types of fans can also be interchanged. This gives you more freedom when mounting the fans.

### **Connection options**

The Alphacool NexXoS Nova Radiator offers two G1/4" threads for IN and OUT. A further G1/4" thread on the back of the radiator serves as a fill port. Alternatively, a temperature sensor or a drain port can also be attached here.

It's a big boy! Only one other radiator in Alphacool's portfolio can match the performance of the Nova radiator. With nine 120 mm fans and a pure cooling surface of 35 x 35 cm, the Nova name says it all.