



ALPHACOO – THE COOLING COMPANY



Alphacool NexXxoS XT45 Full Copper 400mm Radiator

What is it?

As usual, Alphacool also uses pure copper for the NexXxoS 400 mm XT45 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.

Highlights

- solid copper radiator
- large cooling surface

Scope of delivery	
8 x M3x30	5 x screw plug 1 x allen key

Technical data	
L x W x H	440 x 200 x 48 mm
Net weight	1725 g
Material cooling fins	copper
Material cooling channels	copper
Prechamber material	copper
Material outer housing	steel
Fins per Inch	15
Threads	7 x G1/4"
Thread size fan mounting	M3
Fan size	200 mm
Fan slots	2
Pressure tested	0,8 bar
Certificates	CE, FC, RoHS

Other data	
Article number Alphacool	14350
EAN Code	4250197143509
PU	I
Dimensions PU L x W x H	475 x 213 x 56 mm
Weight with PU	2030 g
Customs code	84195080900

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We assume no responsibility for any typing errors.

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Article text

Alphacool is an internationally renowned company in the field of water cooling solutions for both industrial and home users. To ensure that customers receive the best products available, Alphacool is constantly developing new products and making improvements to existing products.

Big is Good. Bigger is Better!

Make No Compromises, Use Copper.

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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 11 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 400 mm XT45 radiator offers space for a 200 mm fan with 154 or 165 mm mounting holes on the mounting frame. The fans are screwed onto a mounting frame which can also be removed for purely passive operation in order not to obstruct the natural airflow.

Connection options

The Alphacool NexXoS 400 mm XT45 radiator offers four 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.

Small was yesterday. With a cooling area of 40 x 20 cm the 400 mm XT radiator offers more cooling surface than a 560 mm radiator. This is more than enough cooling power to cool every CPU and every graphics card in a loop.