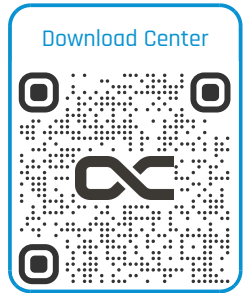


Alphacool NexXoS XT45 Full Copper 400mm radiator

Alphacool article number: 14350



Quick Info

Big is Good. Bigger is Better! Make No Compromises, Use Copper. As usual, Alphacool also uses pure copper for the NexXoS 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.

- Copper radiator
- Ultra flat with 25 mm height
- Perfect cooling fins structure
- Safety plates against screwing in too deeply

Scope of delivery

12 x M3x30mm screws
12 x M3x5 mm screws
12 x M3x35 mm screws
1 x Allen key

Technical data

| | |
|------------------------------|-----------|
| Cooling channels | Copper |
| Color | black |
| Fan thread | M3 |
| Slats | Copper |
| Thickness | 39 - 49mm |
| Number of fans | 2 |
| Housing | Steel |
| Pressure tested | 0,8 bar |
| Manufacturer | Alphacool |
| Fins per inch | 12 |
| Connection | 5x G1/4" |
| Fan size | 200mm |
| Quantity of cooling channels | 32 |

Download links

| | |
|------------------|---|
| Product pictures | 14350_Alphacool_NexXoS_XT45_Full_Copper_400mm_radiator_pics.zip |
|------------------|---|

Packaging dimensions per unit

| | |
|-----------|-------------------|
| L x W x H | 480 x 210 x 60 mm |
| Weight | 2180 g |

Other data

| | |
|--------------|---------------|
| Certificates | CE, FC, RoHS |
| EAN | 4250197143509 |
| Customs code | 84195080900 |

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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 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 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.