

## Alphacool NexXoS Monsta Full Copper 200mm Radiator

Alphacool article number: 14393



### Quick Info

The Monsta 200 mm 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.

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

### Scope of delivery

- 5 x stop plugs
- 4 x M3x30 screws
- 4 x M3x8 screws
- 1 x allen key
- 1 x fan mounting bracket 200 x 200 mm (preassembled)

## Technical data

|                              |  |
|------------------------------|--|
| L x W x H                    | 24,8 x 19,9 x 8,7 cm                           |
| Quantity of cooling channels | 16   |
| Net weight                   | 1700 g   |
| Material cooling fins        | copper   |
| Material cooling channels    | copper   |
| Material prechamber          | copper   |
| Material outer housing       | steel  |
| Fins per Inch                | 12   |
| Threads                      | 7 x G1/4"                                      |
| Thread size fan mounting     | M3   |
| Fan size                     | 180 oder 200 mm                                |
| Fan slots                    | 2 x 185x185 mm, 1 x 165x165 mm, 1 x 155x155 mm |
| Pressure tested              | 0,8 bar  |

## Download links

|                  |  |
|------------------|--|
| Product pictures | <a href="#">14393_Alphacool_NexXxoS_Monsta_Full_Copper_200mm_Radiator_pics.zip</a> |
|------------------|--|

## Packaging dimensions per unit

|           |                   |
|-----------|-------------------|
| L x W x H | 280 x 210 x 95 mm |
| Weight    | 1990 g            |

## Other data

|              |               |
|--------------|---------------|
| Certificates | CE, FC, RoHS  |
| EAN          | 4250197143936 |
| Customs code | 84195080900   |

### **Bigger is better... right!?**

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

As usual, Alphacool also uses pure copper for the NexXoS Monsta 200 mm 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 performance**

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 Monsta 200 mm 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 Monsta 200 mm radiator offers six 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 surface of 20 x 20 cm the 200 mm Radiator offers more than enough cooling power to cool every CPU and every graphics card.