

## Alphacool Core 120mm Fan PWM 4000 (120x120x25mm)

Alphacool article number: 24845

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### Quick Info

Alphacool's Core 120mm is a quiet and efficient fan with a wide control range up to 4000 rpm. The PWM controllable fan is not only suitable as a fan on CPU coolers or radiators. Due to its excellent performance values (throughput & static pressure), it can also be used as a case fan. The double-bearing fan axis is smooth running and enables a long service life as well as quiet operation. If you are looking for a powerful fan without aRGB illumination, you will find it in Alphacool's Core 120mm model!

- Double bearing for quiet and efficient running
- High air flow & static pressure
- Wide, via PWM controllable speed range

### Scope of delivery

1x Alphacool Core 120mm fan PWM 4000 (120x120x25mm), black

## Technical data

|                       |                                                                  |
|-----------------------|------------------------------------------------------------------|
| Dimension (L x W x H) | 120 x 120 x 25mm                                                 |
| Material              | synthetic material (PBT UL94V-0)                                 |
| Bearing Type          | Two Ball Bearing                                                 |
| Rated Voltage         | DC 12V                                                           |
| Operating Voltage     | DC 7-14V                                                         |
| Start-up Voltage      | 7V                                                               |
| Rated Current         | 0.53 (Max: 0.67) A                                               |
| Rated Power           | 6.36 (Max: 8.04) W                                               |
| Rated Speed           | 0 - 4000 rpm/min ±10%                                            |
| Max. Air Flow         | 119.8 CFM                                                        |
| Max. Static Pressure  | 12.67 mm/H2O                                                     |
| Noise level           | 49.5 (Max: 51.5) dBA                                             |
| Life Expectance       | 70000 h at 40 degrees celcius                                    |
| Connection            | 4-Pin PWM                                                        |
| Speed Control Mode    | via PWM                                                          |
| Operating Temperature | -10~+70 degrees celcius                                          |
| Other Features        | Tachometer Output, Auto Start, Soft Start, Waterproof Level IP22 |

## Download links

|                  |                                                                                 |
|------------------|---------------------------------------------------------------------------------|
| Product pictures | <a href="#">24845_Alphacool_Core_120mm_Fan_PWM_4000_(120x120x25mm)_pics.zip</a> |
|------------------|---------------------------------------------------------------------------------|

## Packaging dimensions per unit

|           |                   |
|-----------|-------------------|
| L x W x H | 125 x 130 x 30 mm |
| Weight    | 200 g             |

## Other data

|              |               |
|--------------|---------------|
| Certificates | CE, FC, RoHS  |
| EAN          | 4250197248457 |
| Customs code | 84145915000   |

## Article text

Alphacool's Core 120mm is a quiet and efficient fan with a wide control range up to 4000 rpm. The PWM controllable fan is not only suitable as a fan on CPU coolers or radiators. Due to its excellent performance values (throughput & static pressure), it can also be used as a case fan. The double-bearing fan axis is smooth running and enables a long service life as well as quiet operation. If you are looking for a powerful fan without aRGB illumination, you will find it in Alphacool's Core 120mm model!

### Connections

The fan is controlled via a 4-pin PWM connector. The cable is 40cm long. This allows the fan to be connected directly to the motherboard or a dedicated controller without the use of additional adapter cables or extensions.

### Control range

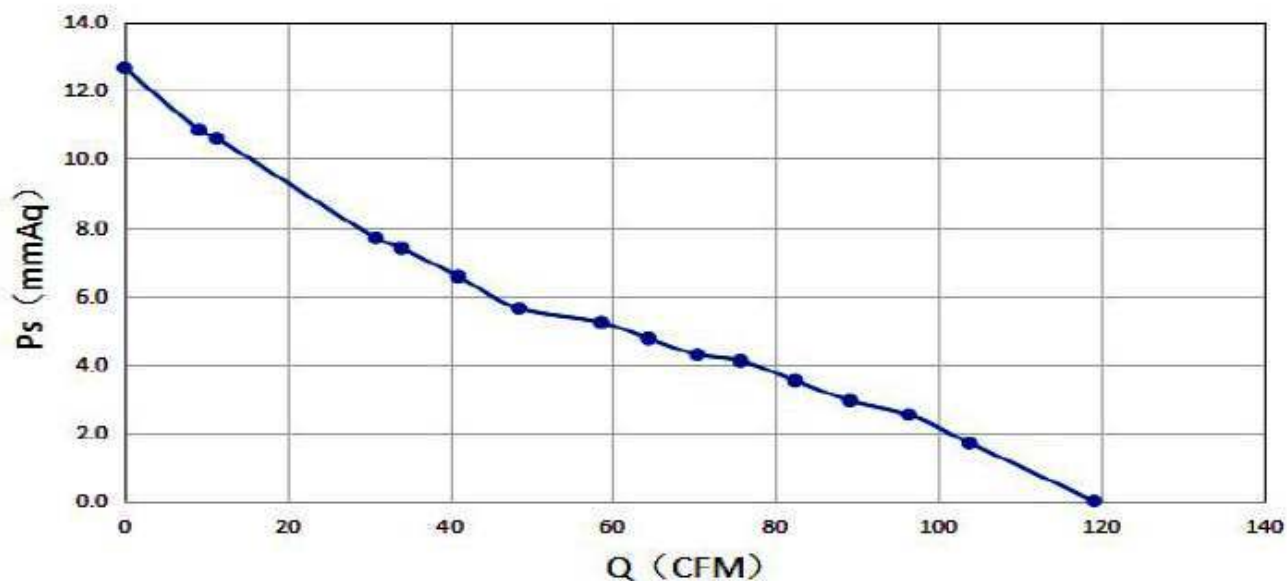
The fan can be controlled from 0 to 4000 rpm via the 4-pin PWM connector. At maximum speed, it allows an airflow of 119.8 CFM combined with a high static pressure of 12.67 mm/H2O. This makes the fan perfect for mounting on radiators of a water cooling system or for ventilating a case.

## Drawing (1)

### 5. P-Q Characteristic curve test:

| Test conditions and methods                                 |                    |
|-------------------------------------------------------------|--------------------|
| Testing Method : Constant Voltage                           |                    |
| Barometric Pressure: 752.4 mmHg                             | At Rated Voltage   |
| Relative Humidity: 66.825%                                  | Temperature: 25° C |
| test data : (Max Ps) :12.67mmAq (Max Flow Rate ) :119.80CFM |                    |

P-Q Curve



## Drawing (2)

