# P12 PWM PST

## Pressure-optimised 120 mm Fan with PWM PST

- Optimised for static pressure
- Ideal choice on heatsinks, radiators and (partly-) covered case vents
- Push- or pull-configuration
- PWM Sharing Technology (PST) regulates fan speed synchronously
- Newly developed, very quiet motor
- Extended life span
- 0 dB mode: silent passive mode when PWM signal is below 5 %
- Available in three sleek colors

EXTENDED 10 YEAR LIMITED WARRANTY

Carbon Neutral
green.arctic.ac

ARCTIC
www.arctic.ac

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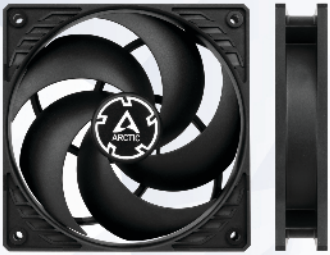
## Pressure-optimised 120 mm Fan with PWM PST

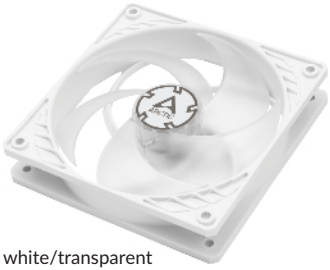
The **P12 PWM PST** is a 120 mm fan with PWM PST connectors. It features completely redesigned fan blades and is optimised for high static pressure.
Thanks to this, it is especially effective when used on heatsinks and in situations with higher air resistance.
The wide RPM range from 200 to 1800 RPM can be regulated seamlessly and synchronously with other fans thanks to ARCTIC's PWM Sharing Technology (PST).
The newly developed motor with a low coil temperature significantly increases the life span of the fan.
Therefore we have extended the warranty to 10 years.



| Specifications | |
|---|---|
| Fan | 120 mm, 200–1800 RPM (Controlled by PWM), 0 dB fan mode below 5 % PWM |
| Airflow | 56.3 CFM/95.65 $m^3/h$ (@ 1 800 RPM) |
| Static Pressure | 2.2 mm $H_2O$ (@ 1 800 RPM) |
| Bearing | Fluid Dynamic Bearing |
| Noise Level | 0.3 Sone (@ 1 800 RPM) |
| Voltage/Current | 0.08 A/12 V DC |
| Connector | 4-pin Connector + 4-pin Socket |
| Dimensions | 120 (L) x 120 (W) x 25 (H) mm |
| Weight | 145 g |

black/black

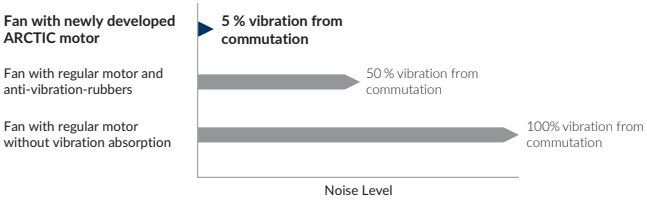
black/transparent



white/transparent

### Maximum Quietness, Minimum Vibration

Even at low speeds the operating sound of the new ARCTIC motor is barely noticeable.
Due to a sinus-magnetizing the new motor only creates about 5 % of the commutator oscillations of a regular DC-motor.
Consequently, there is no need for rubber spacers due to the steady and smooth torque of the new motor.



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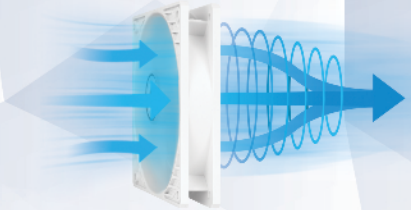
## Pressure-optimised 120 mm Fan with PWM PST

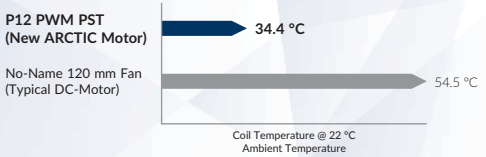
### Optimised for Static Pressure

During the development of the new P12 PWM PST, special emphasis was placed on a focused airstream and thus a high static pressure. The fan guarantees extremely efficient cooling, even with increased air resistance.
Therefore, the P12 PWM PST is particularly suitable for use on heatsinks and radiators.



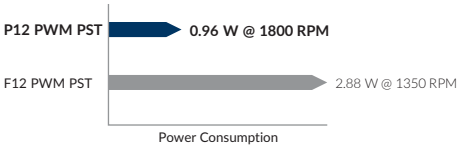
### Extended Life Span

A 10 °C lower motor temperature roughly doubles the life span of a fan.
The new ARCTIC motor has a four times longer service life through its low coil temperature.
Consequently, we have extended the warranty to 10 years.




### More Efficient Technology

The motor is powered by a Neodym-Iron-Boron-Magnet ring of the newest generation, which allows the new P12 PWM PST to run much more efficiently than its predecessors.
This saves energy and lowers the coil temperature without comprimising the performance.




### 200 to 1800 RPM regulated via PWM PST

With a wide range of regulation and the PWM Sharing Technology (PST), the P12 PWM PST fan speed can be controlled synchronously with all your other fans together. This keeps noise at a minimum while guaranteeing maximum cooling performance when needed.

### 0 dB Mode

The P12 PWM PST is able to switch into silent passive mode when PWM signal is below 5 % due to its new motor.
This allows working at your PC in complete silence without any unwanted noise.

< 5 % PWM

> 5 % PWM

### High Quality Bearing

Thanks to an alloy/lubricant combination developed in Germany, friction within the bearing is reduced and greater efficiency is achieved.
As a result, there is less heat development as well as less bearing noise, which means you can enjoy a longer service life from your fan.