

# Freezer 7 X



Compact Multi-Compatible CPU Cooler



- Compatible with Intel® & AMD® sockets
- Pre-applied MX-2 thermal paste
- Extended lifespan thanks to low coil temperature
- Lower power consumption and less vibration with new motor technology
- Offset heat pipes ensure optimal heat dissipation

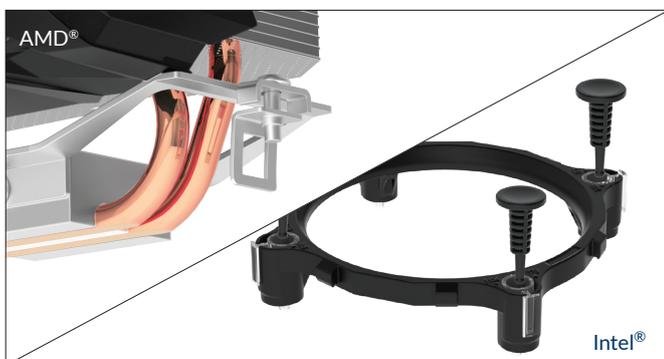


**A Worthy Freezer 7 Pro Successor: Better Price, Better Performance**  
The ARCTIC Freezer 7 X is a compact CPU cooler with one 100 mm fan. It is multi-compatible with common Intel® and AMD® sockets. It benefits from an improved heatsink design and a reworked heat pipe layout. In conjunction with the fan, which is optimised for high static pressure, ARCTIC was able to significantly improve the Freezer 7 X's cooling performance.

## Specifications

Heat Pipe	Direct Touch Ø 6 mm x 2
Heatsink	Aluminium Fins x 44 Thickness: 0.4 mm
Thermal Compound	MX-2 pre-applied
Dimensions	74.3 (L) x 112 (W) x 132.5 (H) mm
Weight	425 g
Compatibility	AMD® FM1/2(+), AM3(+), AM5, AM4 Intel® 1700, 1200, 115x, 775

RAM Clearance	no limit
Fan	1 x 100 mm, 300-2000 RPM (Controlled by PWM)
Current/Voltage	0.07 A/12 V
Bearings	Fluid Dynamic Bearing
Noise Level	0.3 Sone
Connector	4-pin connector



### Compatible with Intel & AMD Sockets

The Freezer 7 X is compatible with all current desktop sockets from Intel and AMD. By using the mounting frame, simple installation is possible without a need to remove the mainboard.



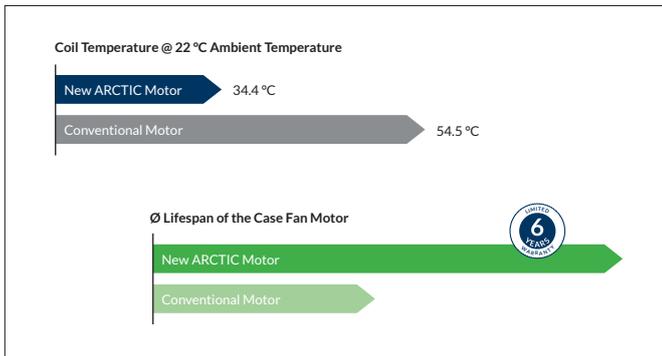
### Pre-applied MX-2 Thermal Paste

Pre-applied, high-performing MX-2 thermal paste ensures quick and clean assembly.

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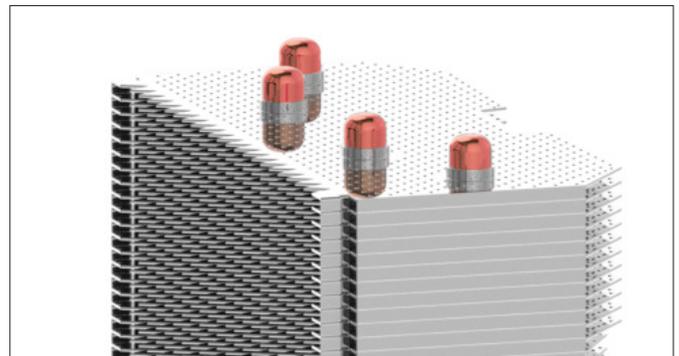


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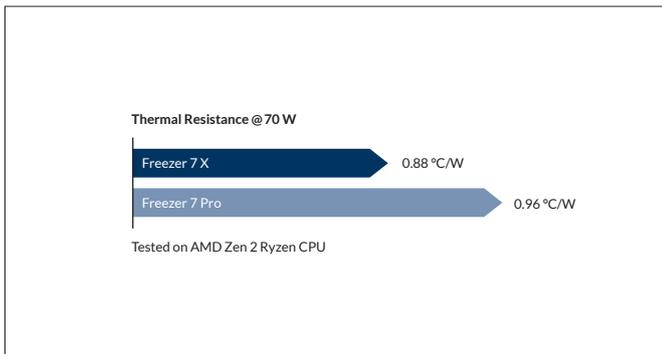
### Longer Lifespan thanks to its Low Motor Temperature

The Freezer 7 X uses a fan motor newly developed by ARCTIC. This runs less audibly and more efficiently, so that the temperature of the coils is 20 °C lower than with conventional motors. This increases the lifespan of the fans considerably, allowing ARCTIC to grant a 6-year warranty period for the Freezer 7 X.



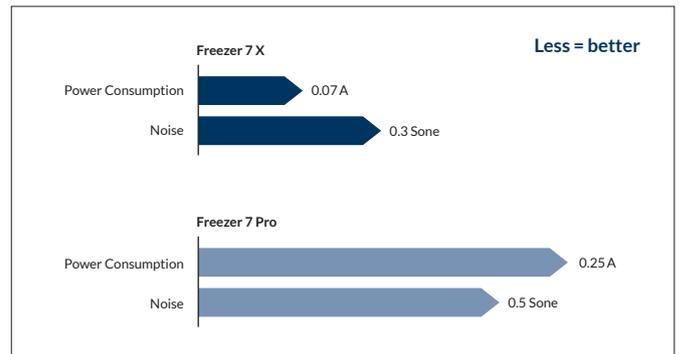
### Offset Heat Pipes enable Optimal Heat Dissipation

The direct touch heat pipes attached to the Freezer 7 X and an optimised design of the 44 cooling fins together ensure that the heat from the CPU can be ideally removed and released into the air.



### High performing in spite of less weight

The ARCTIC Freezer 7 X sets new standards in cooling. Compared to its predecessor, a performance increase of almost 10% could be tested. The thermal resistance stands for the absolute performance of a CPU cooler by indicating the temperature increase per unit of performance. It also represents the cooling performance independent of the processor and is the more accurate alternative to a TDP specification.



### More Efficient and Whisper Quiet

In addition to operating more quietly, even at maximum speed, the Freezer 7 X's built-in fan motor is also much more efficient. The power consumption was reduced from 0.25 A to 0.07 A, which corresponds to an effective savings of 72% in power consumption. ARCTIC engineers were also able to reduce the volume by 40%, allowing the Freezer 7 X to run at a whisper-quiet 0.3 sone when at maximum speed.

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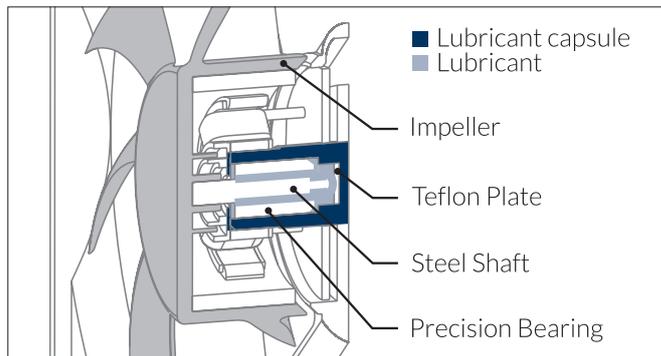


## P-fan for Increased Performance

Inspired by the P-series, the Freezer 7X's fan benefits from all of the advantages of P-fans:

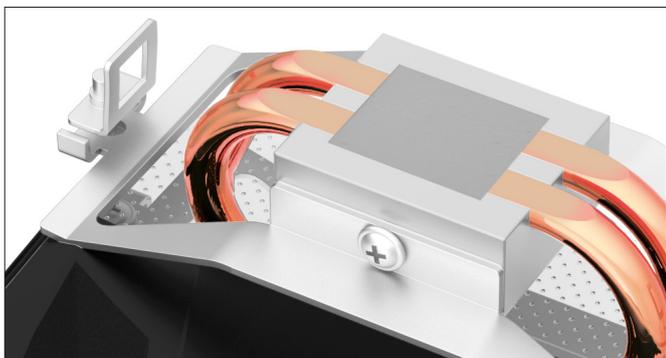
- High static pressure for increased cooling performance
- Broad RPM range
- Lower power consumption
- Less vibration
- PWM for synchronous fan control

For additional information about the P-fans, we recommend our FAQ.



## Fluid Dynamic Bearing

Thanks to a combination of alloy and lubricant developed in Germany, the friction within the bearing is reduced, leading to greater efficiency. In this way, less heat is generated, there is less bearing noise and the life of the fan is extended.



## Offset Heat Pipes enable Optimal Heat Dissipation

The Freezer 7X uses direct-touch heatpipes. This ensures that the heat to be dissipated is transferred directly to the heatpipes without an additional material layer, and transported into the heatsink via the pipes.



## Multilingual Manuals

We offer a regularly updated user manual in many languages conveniently at your fingertips anywhere and anytime. Put the QR code sticker in an easy-to-reach place and never again waste time searching for product instructions.



Product Information



Manual