XE420

High-Performance 420mm Radiator All-In-One Liquid Cooler with Triple Fans for Single-Processor Servers

- Full copper nickel-plated cold plate
- Large micro-channel copper base plate
- Radiator integrated with pump-in-radiator technology
- Pump housing constructed with an aluminum alloy chamber for enhanced structural rigidity
- Three-phase, six-pole motor design
- 3 x 140mm radiator-optimized industrial cooling fans with Liquid Crystal Polymer (LCP) fan blades
- Closed-loop speed control design ensures stable RPM and consistent airflow at high speeds

Product Specifications

Model No.

SST-XE420

Application

Compatible with single-CPU socket motherboards
*Requires an additional purchase of the corresponding CPU socket mounting kit.

Water block

Dimension	68mm (W) × 26mm (H) × 83mm (D)
Material	Copper base

Pump

Motor speed	Copper base
Rated Voltage	12V
Rated Current	0.4A
Connectors	3 pin

Radiator

Dimension	140mm (W) × 28mm (H) × 456mm (D)
Material	Aluminum

Tube

Length	460mm
Material	Rubber

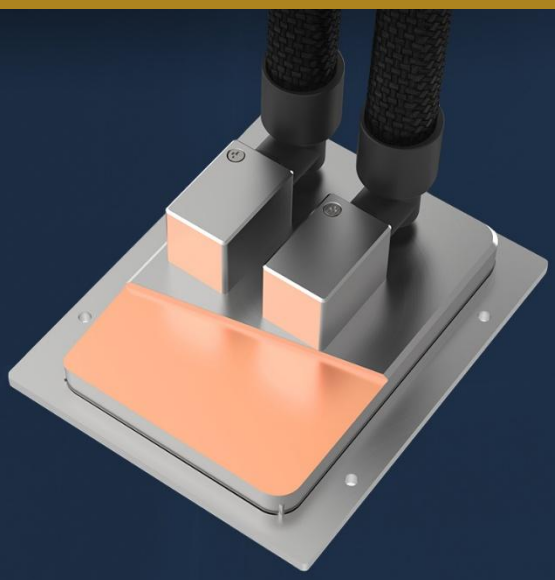
Fan

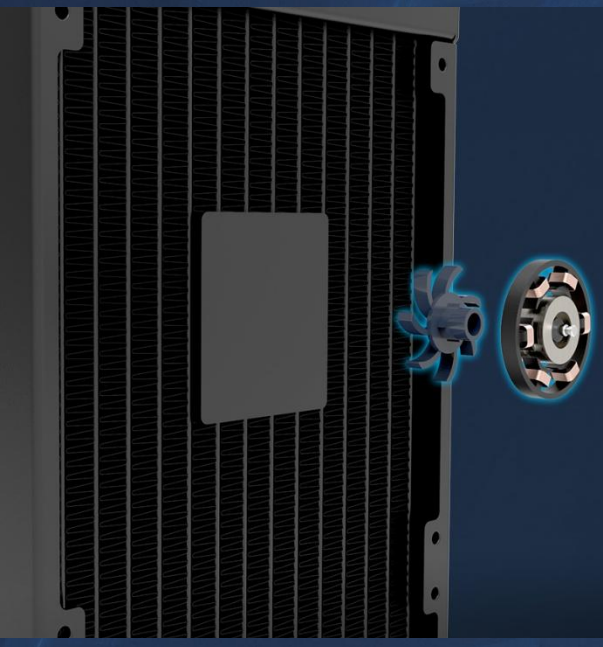
Dimension	140mm (W) × 34mm (H) × 140mm (D)
Speed	800~2500rpm
Noise level	38.8 dBA
Rated Voltage	12V
Max airflow	123.8 CFM
Max air pressure	7.66 mm/H2O
Start Voltage	7V
MTTF	100,000 hours

Remark

*Please ensure the fan header supplying power to the pump provides a stable 12V output to guarantee cooling performance. It is recommended to disable the PWM/DC mode for this header in the motherboard BIOS, or set it to full speed.

The full nickel-plated copper water block combined with a large micro-channel copper base ensures full coverage for high-end and workstation-class CPUs, significantly enhancing cooling efficiency and long-term stability





The radiator integrates a high-efficiency three-phase, six-pole pump, routing cooled liquid through the pump first to rapidly dissipate operational heat. This design effectively reduces pump temperature, extends service life, and delivers smoother, more energy-efficient operation

Radiator-optimized industrial fans feature LCP fan blades, combined with closed-loop RPM feedback control and fully integrated anti-vibration rubber padding, delivering high static pressure, low vibration, and stable performance during long-term operation