

# K199

1U Active Air Cooler

**PRODUCT SPECIFICATIONS**

## Model Number: K199

- Recommend for Intel® CPU as following
  - Intel® Xeon® Processor E3 v4 Family, Socket FCLGA 1150
  - Intel® Xeon® E Processor/Intel Core™ i7 Processor, Socket FCLGA 1151;
  - Intel® Xeon® Processor E3 Family/Intel Core™ i5 Processor, Socket LGA 1155;
  - Intel® Xeon® processor X3400, Socket LGA 1156;
  - Intel® Core™ i9 Processor, Socket FCLGA 1200;
- Active Cooler for 1U Server & Up

## Overall Specification

Dimension	85.0 x 81.5 x 28.5 mm
Weight	355 ± 5 g
Material	Copper Heat Sink with Skiving Fins
Orientations	Switchable without On-board Component Interference
Back Strip Set	Included
Thermal Grease	GE-Toshiba TIG830SP Pre-printed
TDP	Up to 125 Watts CPU Power Heat Dissipation

## Cooling Fan Specification

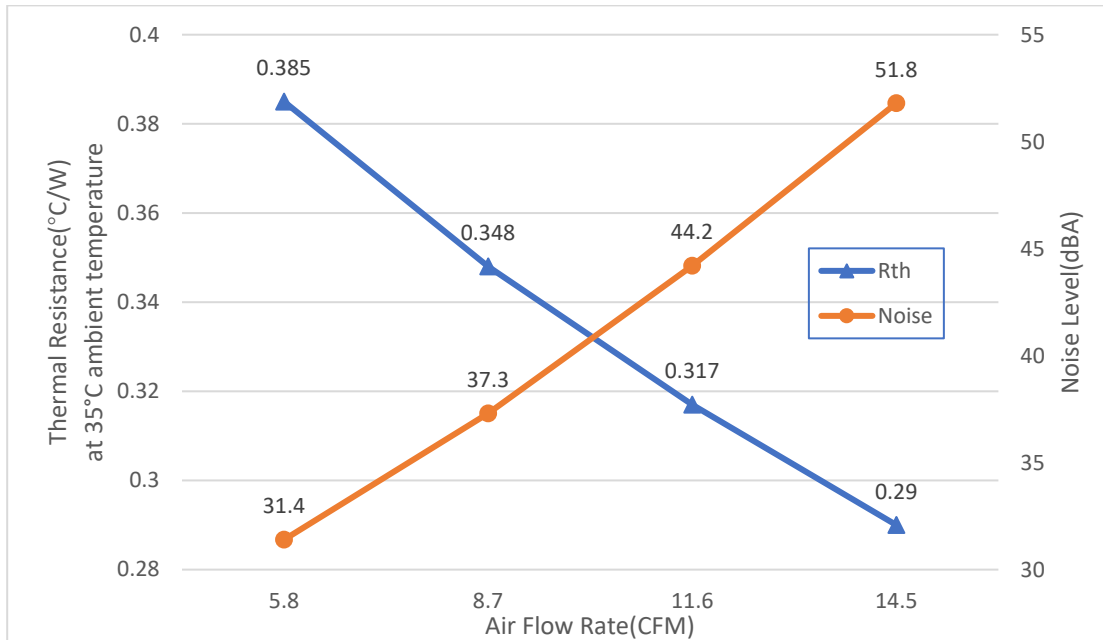
Dimension	Ø80.0 x 15.0 mm
Rated Speed	At Duty Cycle 0~20%: 1200 RPM At Duty Cycle 50%: 2600 RPM At Duty Cycle 100%: 5000 RPM
Bearing	Double Ball
Rated Voltage	12V
Input Power	At Duty Cycle 0~20%: 0.60 W At Duty Cycle 50%: 1.44 W At Duty Cycle 100%: 9.6 W
Maximum Airflow	At Duty Cycle 0~20%: 3.533 CFM At Duty Cycle 50%: 7.654 CFM At Duty Cycle 100%: 14.719 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 2.083 mm-H2O At Duty Cycle 50%: 9.780 mm-H2O At Duty Cycle 100%: 36.168 mm-H2O
Acoustical Noise	At Duty Cycle 0~20%: 20.71 dBA At Duty Cycle 50%: 37.5 dBA At Duty Cycle 100%: 51.7 dBA
Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Yellow(+)

**K199** | Socket LGA 115X/1200

Pin#3- Green(Tachometer/ Signal Output)  
Pin#4- Blue (PWM)

## Performance Chart: Active Cooler K199 Thermal Resistance

### Active Cooler K199 Cooling Performance vs. Airflow



## Active Cooler K199 Cooling Performance vs. Fan Speed

