



# K987

3U Active Air Cooler

**PRODUCT SPECIFICATIONS**

**K987** | Socket LGA 775/1366/115X/1200

## Model Number: K987

- 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;
  - Intel® Xeon® Processor 5500 Series/Intel® Core™ i7 Processors I7-900 Series, Socket LGA 1366;
  - Intel® Core™2 Extreme Processor/Core™2 Quad Processor/Core™2 Duo Desktop Processor/Pentium® D Processor/Pentium® Processor for Desktop/Pentium® 4 Processors/Pentium® 4 Processor Extreme/Celeron® Processor, Socket LGA 775
- Active Cooler for 3U Server & Up

## Overall Specification

Dimension	106.0 x 106.0 x 72.6 mm
Weight	500 g
Material	Aluminum Radial fin Heat Sink with Copper Inserted
Fan	9225 Round Fan Top-Down Blowing
Screw-on Retention	Available for all Intel® Sockets
Protection	Finger Guard Protection
Back Strip Set/Plate	Available for all Intel® Sockets
Screw Sets Bag	Included
Thermal Grease	TIG830SP Thermal Grease Syringe Included
TDP	Up to 125 Watts CPU Power Heat Dissipation

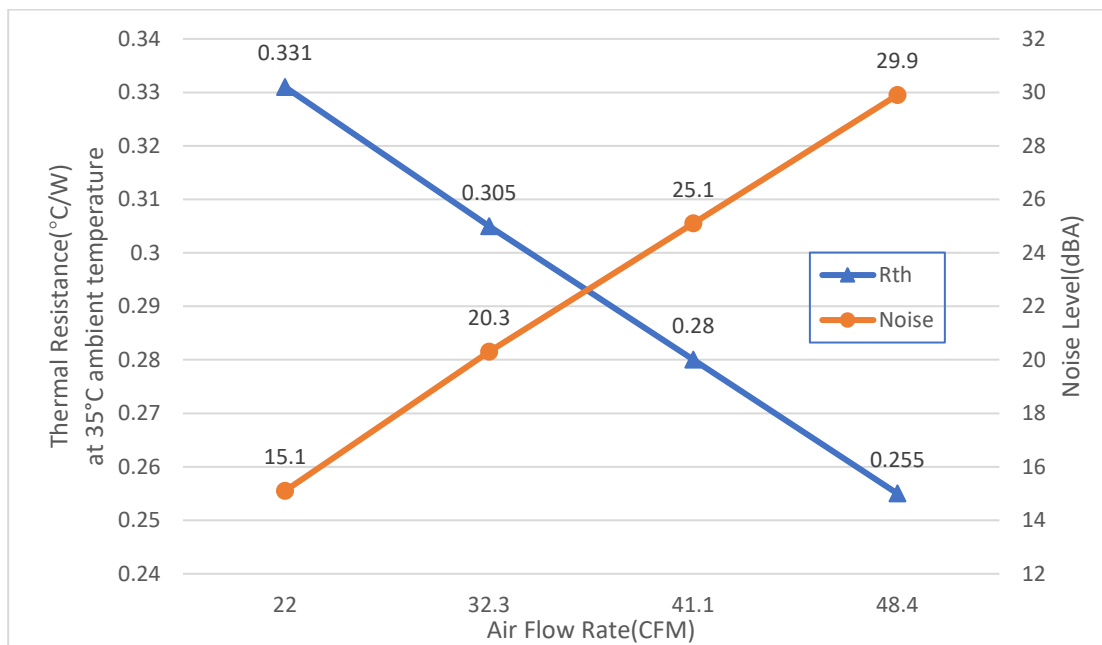
## Cooling Fan Specification

Dimension	∅92.0 x 25.0 mm
Bearing	Single-Ball
Rated Voltage	12V
Rated Speed	At Duty Cycle 0~20%: 900 RPM At Duty Cycle 50%: 1700 RPM At Duty Cycle 100%: 2800 RPM
Input Power	At Duty Cycle 0~20%: 0.72 W At Duty Cycle 50%: 1.2 W At Duty Cycle 100%: 3.0 W
Maximum Airflow	At Duty Cycle 0~20%: 15.1 CFM At Duty Cycle 50%: 30.9 CFM At Duty Cycle 100%: 46.96 CFM

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Rated Static Pressure	At Duty Cycle 0~20%: 0.30 mm- H2O At Duty Cycle 50%: 1.55 mm-H2O At Duty Cycle 100%: 2.977 mm-H2O
Acoustical Noise	At Duty Cycle 0~20%: 14. 0 dBA At Duty Cycle 50%: 19. 0 dBA At Duty Cycle 100%: 29.30 dBA
Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Yellow(+) Pin#3- Green(Tachometer/ Signal Output) Pin#4- Blue (PWM)

## Performance Chart: Active Cooler K987 Thermal Resistance Cooling Performance vs. Airflow



## Cooling Performance vs. Fan Speed

