

## **Model Number: K987**

- Recommend for Intel® CPU as following
  - o Socket LGA1156, Core™ i5 Processor I5-750 2.66GHz ; Xeon® Processor 3400 Series up to 2.93GHz ; Core™ i7 Processors I7-800 Series up to 2.93GHz
  - o Socket LGA1366, Core™ i7 Processors I7-900 Series 2.66GHz ; Xeon® Processor 5500 Series up to 3.06GHz
  - o Socket LGA775, Intel® Core™2 Extreme Processor 2.93GHz ; Core™2 Quad Processor up to 3.0GHz ; Core™2 Duo Desktop Processor up to 3.33GHz ; Pentium® D Processor up to 3.6GHz ; Pentium® Processor for Desktop up to 2.93GHz ; Pentium® 4 Processors up to 3.80 GHz ; Pentium® 4 Processor Extreme Edition up to 3.73 GHz ; Celeron® Processor up to 3.6GHz
- Active Cooler for 3U Server & Up

### **Overall Specification:**

- Dimension: 106.0 x 106.0 x 72.6mm
- Weight: 500g
- Material: Aluminum Radial fin Heat Sink with Copper Inserted
- 9225 Round Fan Top-Down Blowing
- Screw-on Retention are available for all Intel® Sockets
- Screw Sets Bag Included
- Finger Guard Protection
- Back Strip Sets / Plate are available for all Intel® Sockets
- TIG830SP Thermal Grease Syringe Included

### **Fan Specification:**

- Dimension: Ø92.0 x 25.0 mm
- Bearing: Single-Ball
- Rated Voltage: 12V
- Rated Speed:
  - o At Duty Cycle 0~20%: 900 RPM
  - o At Duty Cycle 50%: 1700 RPM
  - o At Duty Cycle 100%: 2800 RPM

- Rated Input Power:
  - o At Duty Cycle 0~20%: 0.72 W
  - o At Duty Cycle 50%: 1.2 W
  - o At Duty Cycle 100%: 3.0 W
- Rated Airflow:
  - o At Duty Cycle 0~20%: 15.1 CFM
  - o At Duty Cycle 50%: 30.9 CFM
  - o At Duty Cycle 100%: 46.96 CFM
- Rated Static Pressure:
  - o At Duty Cycle 0~20%: 0.30 mm-H<sub>2</sub>O
  - o At Duty Cycle 50%: 1.55 mm-H<sub>2</sub>O
  - o At Duty Cycle 100%: 2.977 mm-H<sub>2</sub>O
- Rated Acoustical Noise:
  - o At Duty Cycle 0~20%: 14.0 dBA
  - o At Duty Cycle 50%: 19.0 dBA
  - o At Duty Cycle 100%: 29.30 dBA
- Lead Wire Pin Out:
  - o Pin#1-Black(-)
  - o Pin#2- Yellow(+)
  - o Pin#3- Green(Tachometer/ Signal Output)
  - o Pin#4- Blue (PWM)

**Performance Chart, K987 Thermal Resistance & Noise VS. Cooling Fan Speed**

