



K985

3U Active Air Cooler

PRODUCT SPECIFICATIONS

Model Number: K985

- 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 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
Retention	Captive with Screw-on Retention
Protection	Finger Guard Protection
Back Strip Set	Included
Thermal Grease	Pre-Printed with GE-Toshiba TIG830SP
TDP	Up to 125 Watts CPU Power Heat Dissipation

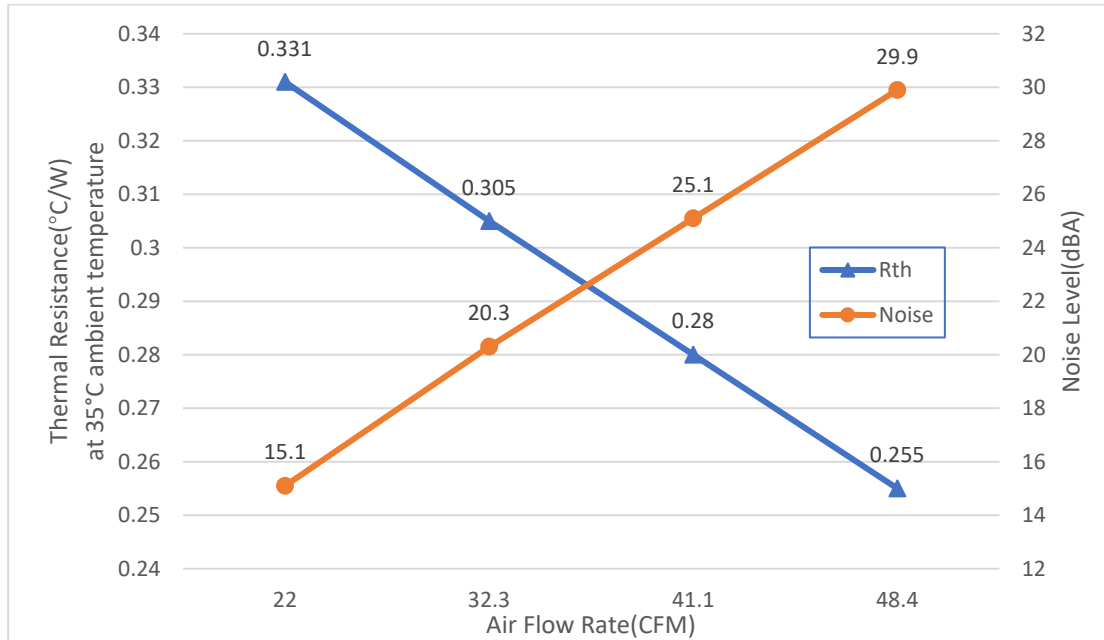
Cooling Fan Specification

Dimension	Ø92.0 x 25.0 mm
Bearing	Single-Ball
Rated Voltage	12V
Rated Speed	At Duty Cycle 0~20%: 700 RPM At Duty Cycle 50%: 1400 RPM At Duty Cycle 100%: 2500 RPM
Input Power	At Duty Cycle 0~20%: 0.72 W At Duty Cycle 50%: 1.08 W At Duty Cycle 100%: 3.6 W
Maximum Airflow	At Duty Cycle 0~20%: 14.98 CFM At Duty Cycle 50%: 29.90 CFM At Duty Cycle 100%: 46.96 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 0.290 mm- H2O At Duty Cycle 50%: 1.070 mm-H2O At Duty Cycle 100%: 2.977 mm-H2O
Acoustical Noise	At Duty Cycle 0~20%: 14. 70 dBA At Duty Cycle 50%: 18. 50 dBA At Duty Cycle 100%: 29.85 dBA

K985 | Socket LGA 115X/1200

Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Yellow(+) Pin#3- Green(Tachometer/ Signal Output) Pin#4- Blue (PWM)
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Performance Chart: Active Cooler K985 Thermal Resistance Cooling Performance vs. Airflow



Cooling Performance vs. Fan Speed

