



# K555

2U Active Air Cooler

**PRODUCT SPECIFICATIONS**

## Model Number: K555

- 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 2U Server & Up

## Overall Specification

Dimension	94.0 x 87.5 x 67.7mm
Weight	460g ± 5g
Material	Copper Base & Aluminum Fins with Heat pipes embedded
Fan	7720 Top-Down Blowing Fan
Retention	Captive with Screw-on Retention
Protection	Finger Guard Protection
Back Strip Set/Plate	Included
Thermal Grease	Pre-Printed with GE-Toshiba TIG830SP
TDP	Up to 125 Watts CPU Power Heat Dissipation

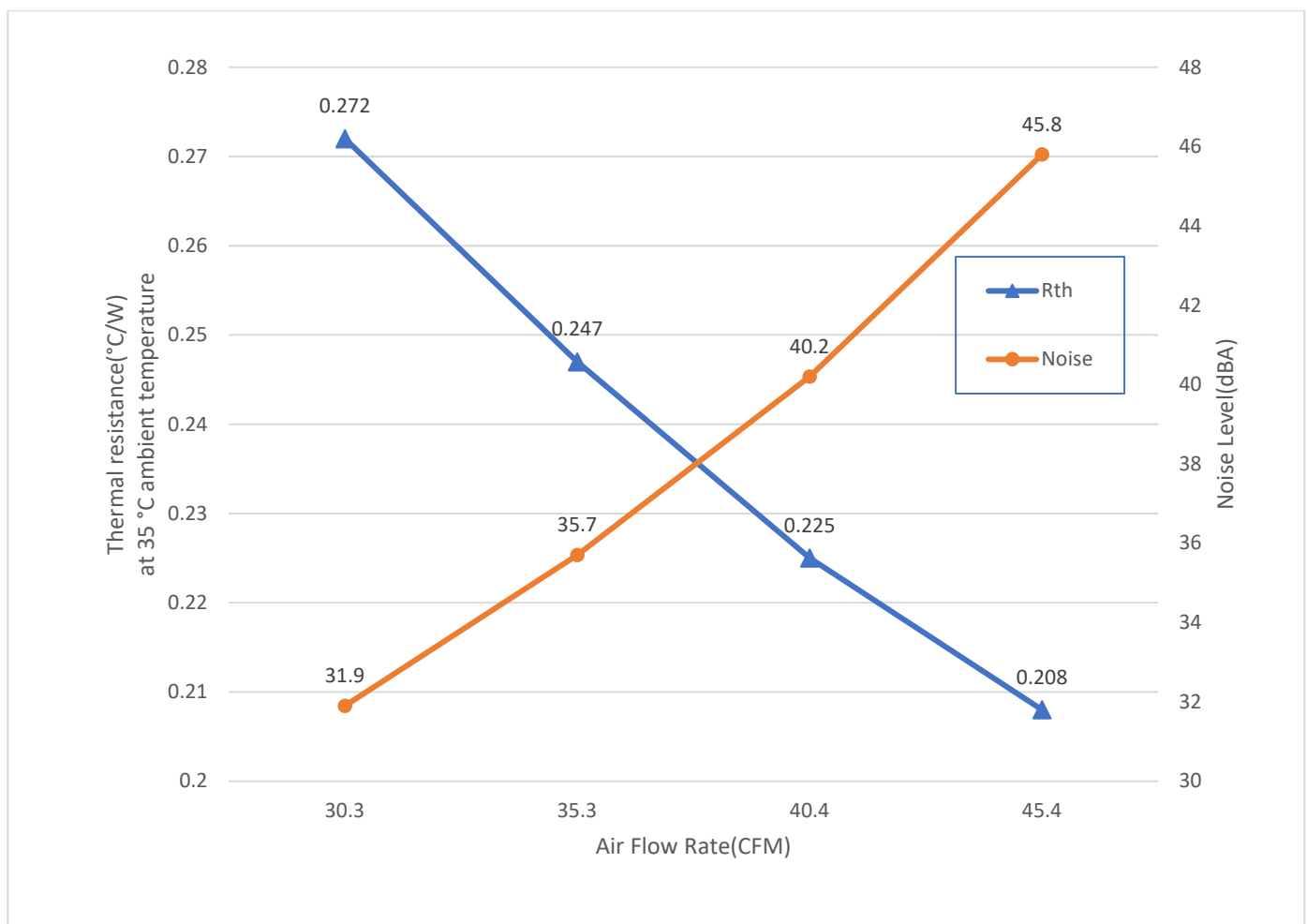
## Cooling Fan Specification

Dimension	77 x 77 x 20 mm
Bearing	Double-Ball
Rated Voltage	12V
Rated Speed	At Duty Cycle 0~20%: 1000 RPM At Duty Cycle 50%: 2500 RPM At Duty Cycle 100%: 4500 RPM
Input Power	At Duty Cycle 0~20%: 0.84 W At Duty Cycle 50%: 1.44 W At Duty Cycle 100%: 6.0 W
Maximum Airflow	At Duty Cycle 0~20%: 10.12 CFM At Duty Cycle 50%: 25.30 CFM At Duty Cycle 100%: 45.56 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 0.185 mm- H2O At Duty Cycle 50%: 1.156 mm-H2O At Duty Cycle 100%: 3.746 mm-H2O
Acoustical Noise	At Duty Cycle 0~20%: 13.14 dBA At Duty Cycle 50%: 33.04 dBA

K555 | Socket LGA 1156/1200

	At Duty Cycle 100%: 45.8 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 K555 Thermal Resistance Cooling Performance vs. Airflow



## Cooling Performance vs. Fan Speed

