

# K785

2U Active Air Cooler

**PRODUCT SPECIFICATIONS**

## Model Number: K785

- 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	90.0 x 90.0 x 62.0 mm
Weight	500 ± 5 g
Material	Aluminum Extruded Radial Fin Heat Sink with Copper Inserted
Fan	7720 Top-Down Blowing Fan
Mounting Method	Screw Fastener Captive Mounting
Back Strip Set	Included
Thermal Grease	TIG830SP Pre-printed
TDP	Up to 125 Watts CPU Power Heat Dissipation

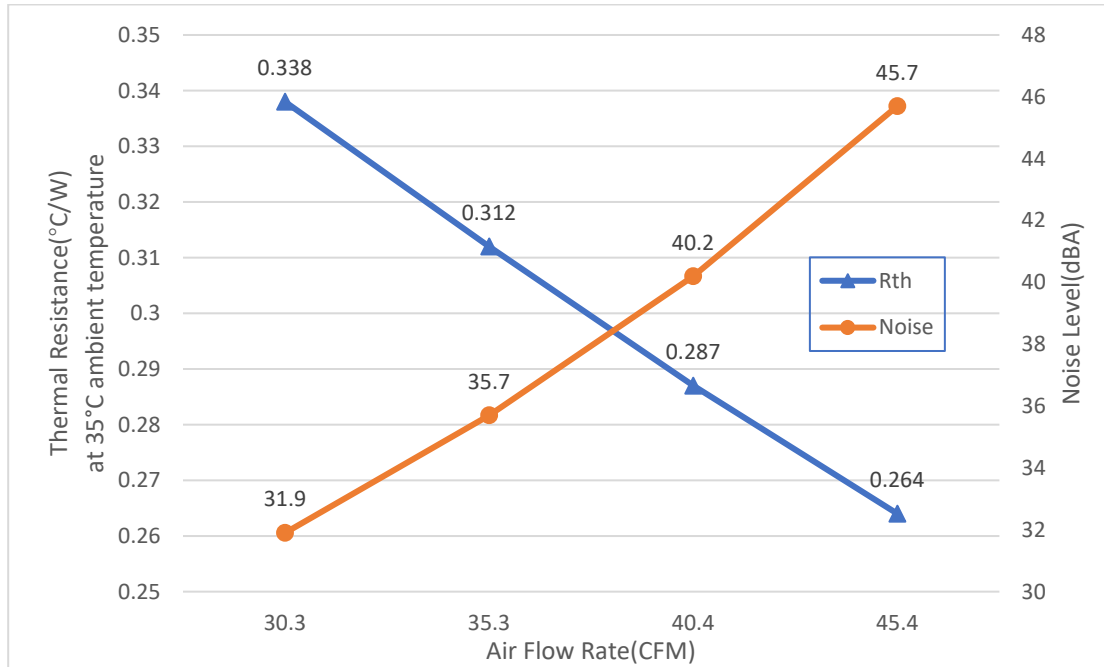
## Cooling Fan Specification

Dimension	77 x 77 x 20 mm
Rated Speed	At Duty Cycle 0~20%: 1000 RPM At Duty Cycle 50%: 2500 RPM At Duty Cycle 100%: 4500 RPM
Bearing	Double Ball
Rated Voltage	12V
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 At Duty Cycle 100%: 45.8 dBA

**K785** | Socket LGA 115X/1200

Lead Wire Pin Out	Pin#1- Black(-)
	Pin#2- Yellow(+)
	Pin#3- Green(Tachometer/ Signal Output)
	Pin#4- Blue (PWM)

## Performance Chart: Active Cooler K785 Thermal Resistance Cooling Performance vs. Airflow



## Cooling Performance vs. Fan Speed

