DYNATRON
The Thermal Solution Architect

NEW PRODUCT SPEC SHEET

Model Number: K650

- Recommend for Intel® Core™ i5 I5-750; Xeon® Processor 3400 Series; Core™ i7 Processors I7-870 & I7-860; Socket LGA1156
- Active Cooler for 2U Server

Overall Specification:

- Dimension: 88.5 x 87.0 x 64.0 mm
- Weight: 460g
- Material: Copper Base with Aluminum Stacked Fin
- 6025 Side-blow fan with PWM Function
- Cooler Mounted with Captive Design
- Back Strip Set is included
- Thermal Grease Pre-Printed with GE-Toshiba TIG830SP
- Support CPU Power up to 95 Watts

Fan Specification:

- Dimension: 60 x 60 x 25mm
- Bearing: Double-Ball
- Rated Voltage: 12V
- Rated Speed:
    - At Duty Cycle 0~20%: 1400 RPM
    - At Duty Cycle 50%: 3500 RPM
    - At Duty Cycle 100%: 7000 RPM

- Rated Input Power:
    - At Duty Cycle 0~20%: 0.6 W
    - At Duty Cycle 50%: 1.20 W
    - At Duty Cycle 100%: 5.4 W

- Rated Airflow:
  - At Duty Cycle 0~20%: 7.405 CFM
  - At Duty Cycle 50%: 18.517 CFM
  - At Duty Cycle 100%: 38.283 CFM

- Rated Static Pressure:
  - At Duty Cycle 0~20%: 0.574mm-H_2O
  - At Duty Cycle 50%: 3.586mm-H_2O
  - At Duty Cycle 100%: 13.552mm-H_2O

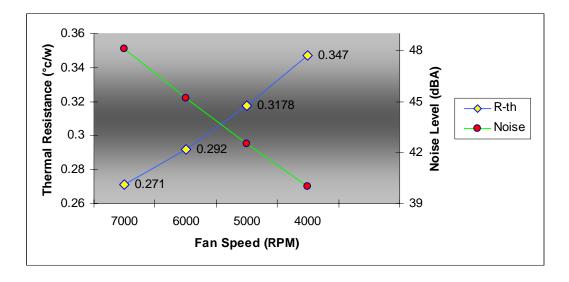- Rated Acoustical Noise:
  - At Duty Cycle 0~20%: 20.8 dBA
  - At Duty Cycle 50%: 35.9 dBA
  - At Duty Cycle 100%: 48.1 dBA

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

Performance Chart, K650 Thermal Resistance & Noise VS. Cooling Fan Speed

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