



DYNATRON CORPORATION

NEW PRODUCT SPEC SHEET

Model Number : T180

- Recommend for Intel® Mini-ITX Desktop Boards including DG45FC and DQ45EK
- Active Cooler for Mini-ITX Form Factor 1U Rack-Mount Case
- For Intel® Core™ 2 Duo, Core™ 2 Quad,
- For Socket LGA775

Overall Specification:

- Dimension: 83.0mm x 81.0mm x 27.8mm
- Weight: 250g \pm 5g
- Material: Aluminum Heat Sink with Skiving Fins
- 8015 Blower with PWM function
- Support CPU power up to 65Watts
- Orientation Tunable to avoid components interference
- Plastic Push-Pin Mounting to avoid back end board component interference

Blower Specification:

- Dimension: 80 x 80 x 15 mm
- Rated Speed:
 - At Duty Cycle 0~20%: 1200 \pm 150 RPM
 - At Duty Cycle 50%: 1700 \pm 10%RPM
 - At Duty Cycle 100%: 3000 \pm 10%RPM
- Bearing: Double Ball Bearing
- Rated Voltage: 12V
- Power:
 - At Duty Cycle 0~20%: 0.96 W
 - At Duty Cycle 50%: 1.20 W
 - At Duty Cycle 100%: 5.04 W

- Maximum Airflow:
 - At Duty Cycle 0~20%: 3.6 CFM
 - At Duty Cycle 50%: 5.1 CFM
 - At Duty Cycle 100%: 9.0 CFM

- Acoustical Noise:
 - At Duty Cycle 0~20%: 18.8 dBA
 - At Duty Cycle 50%: 26.3 dBA
 - At Duty Cycle 100%: 38.7 dBA

- Static Air Pressure
 - At Duty Cycle 0~20%: 0.083 inch-H₂O
 - At Duty Cycle 50%: 0.167 inch-H₂O
 - At Duty Cycle 100%: 0.52 inch-H₂O

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