



DYNATRON CORPORATION

NEW PRODUCT SPEC SHEET

Model Number: F185 (180° Exhaust)

- Recommended for all Third-Generation AMD Opteron™, and Second-Generation AMD Opteron™, Processor Model number 2210, 2212, 2214, 2216, 2218, 2220, 2222, 8212, 8214, 8216, 8218, 8220, 8222, 2210HE, 2212HE, 2214HE, 2216HE, 2218HE, 8212HE, 8214HE, 8216HE, 8218HE, Socket F (1207)
- Active Cooler For 1U Server
- RoHS Compliant

Overall Specification:

- Dimension: 100.0mm x 80.0mm x 28.0mm
- Weight: 310g ± 5g
- Material: Copper Heatsink, Heatpipes+ Zipped Fins
- Plastic Frame Blower with PWM Function
- 180 Degree Blowing Exhaust to Heatsink Direction
- Support CPU Power up to 119Watts (refer to AMD spec), with Thermal Resistance 0.34°C/W (for reference only)

Blower Specification:

- Dimension: 70mm x 70mm x 16mm
- Rated Speed:
 - At Duty Cycle 0%: 1100 ± 10%RPM
 - At Duty Cycle 20%: 1100 ± 10%RPM
 - At Duty Cycle 100%: 6000 ± 10%RPM
- Bearing: 2X Ball
- Rated Voltage: 12V
- Input Power:
 - At Duty Cycle 0%: 0.6W
 - At Duty Cycle 20%: 0.6W
 - At Duty Cycle 100%: 8.76W

- Maximum Airflow:
 - At Duty Cycle 0%: 2.45 CFM
 - At Duty Cycle 20%: 2.45 CFM
 - At Duty Cycle 100%: 14.32 CFM
- Acoustical Noise:
 - At Duty Cycle 0%: 19.1 dBA
 - At Duty Cycle 20%: 19.1 dBA
 - At Duty Cycle 100%: 53.8 dBA
- Lead Wire Pin Out:
 - Pin#1-Black(-)
 - Pin#2- Yellow(+)
 - Pin#3- Green(Tachometer/ Signal Output)
 - Pin#4- Blue (PWM)

Cooler F185, Thermal Performance VS. Blower Acoustical Level Chart :

