

## ***NEW PRODUCT SPEC SHEET***

### **Application:**

- Recommend for AMD Processor, Socket AM4
- Active Cooler For 2U Server

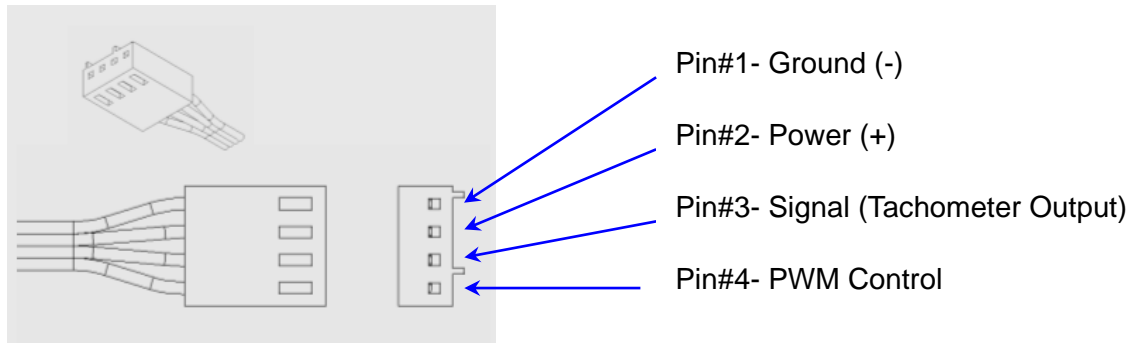
### **Overall Specification:**

- Dimension: 107 x 78 x 67 mm
- Weight: 400 g
- 6028 Side-Blow Fan with PWM Function
- Material: Aluminum Stacked Fin with Heat Pipes directly contact CPU
- Convenient Heat Sink Captive Mounting
- Thermal Grease Shin-Etsu 7762 Pre-printed
- Support CPU Power 105 Watts Heat Dissipation

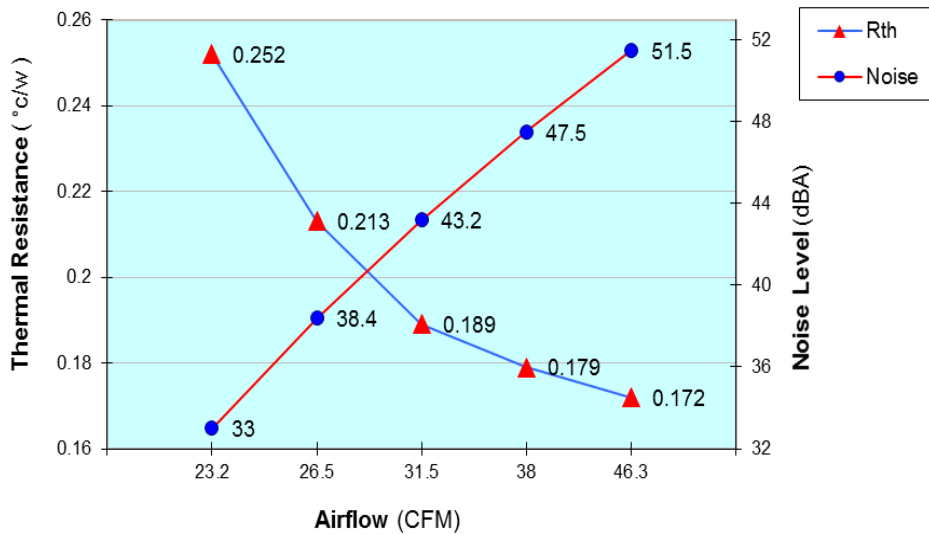
### **Fan Specification:**

- Model Number: DF126028BL - PWMG
- Dimension: 60 x 60 x 28 mm
- Bearing: Double-Ball
- Rated Voltage: 12V
- Rated Speed:
  - At Duty Cycle 0~20% : 1500±10% RPM
  - At Duty Cycle 50% : 3500±10% RPM
  - At Duty Cycle 100% : 7000 RPM Min.
- Rated Input Power:
  - At Duty Cycle 0~20% : 0.60 W
  - At Duty Cycle 50% : 2.16 W
  - At Duty Cycle 100% : 7.20 W

- Rated Airflow:
  - At Duty Cycle 0~20% : 8.8 CFM
  - At Duty Cycle 50% : 20.3 CFM
  - At Duty Cycle 100% : 40.5 CFM
- Rated Static Pressure:
  - At Duty Cycle 0~20% : 0.7 mm-H<sub>2</sub>O
  - At Duty Cycle 50% : 3.6 mm-H<sub>2</sub>O
  - At Duty Cycle 100% : 14.3 mm-H<sub>2</sub>O
- Rated Acoustical Noise:
  - At Duty Cycle 0~20% : 16.0 dBA
  - At Duty Cycle 50% : 32.9 dBA
  - At Duty Cycle 100% : 47.5 dBA
- Lead Wire Pin Out Diagram :



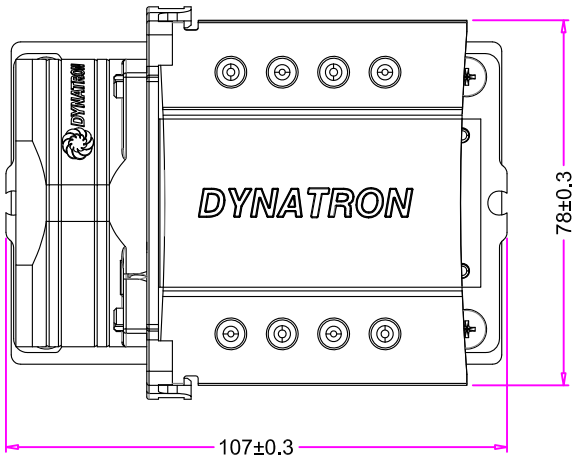
### Active Cooler A24 Cooling Performance VS. Fan Speed & Noise:



1 2 3 4 5 6 7

| REV# | DESCRIPTION     | CHECKER | DATE     |
|------|-----------------|---------|----------|
| 0.0  | INITIAL RELEASE | LANG    | 05/19/17 |

A

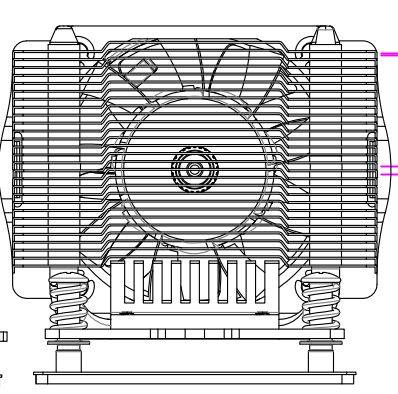
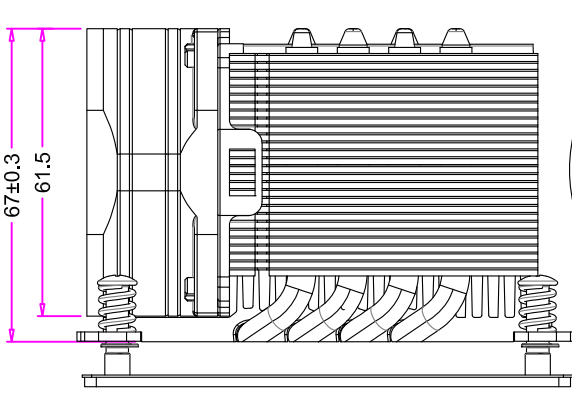
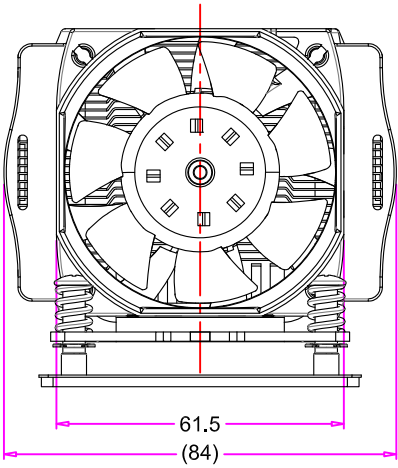


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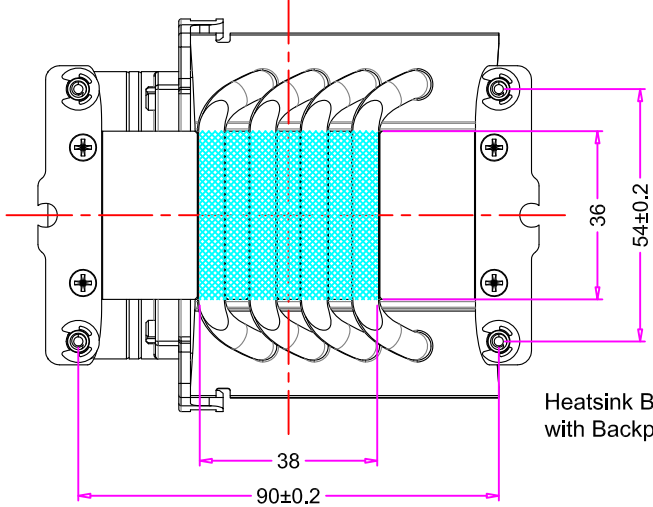
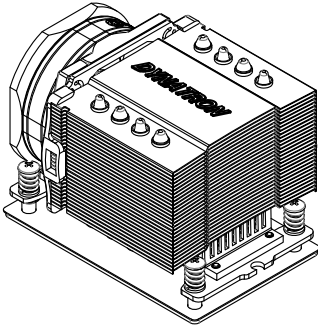
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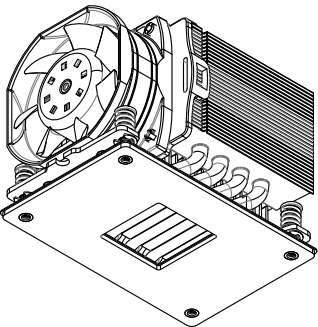
E



Heatsink Bottom View with Backplate Hidden

F

F



| Item# | Description                   | Material                    | QTY. |
|-------|-------------------------------|-----------------------------|------|
| 11    | Insulator                     | PC, with Dual-Side Adhesive | 1    |
| 10    | Backplate                     | SPCC                        | 1    |
| 9     | Thermal Grease, Pre-Printed   | Shin-Etsu, 7762             | 1    |
| 8     | C-ring                        | Steel                       | 4    |
| 7     | Screw, Heatsink Bracket       | Steel                       | 4    |
| 6     | Bracket                       | SK7, Thk 2.0mm              | 2    |
| 5     | Spring (0940)                 | SWP                         | 4    |
| 4     | Heatsink, Stacked Fin         | Aluminum + Heatplpe         | 1    |
| 3     | Screw, # 6-32 UNC             | Steel                       | 4    |
| 2     | Fan Bracket                   | Plastic                     | 1    |
| 1     | Fan, DF126028BM-PWVG, 7000RPM | Plastic                     | 1    |

G

G

|               | NAME | DATE           |
|---------------|------|----------------|
| DRAWN BY      | enr  | 05 / 19 / 2017 |
| CHECKED BY    | LANG | 05 / 19 / 2017 |
| ENG. APPROVED |      |                |
| MFG. APPROVED | -    | -              |



DYNATRON CORPORATION

TOP MOTOR

TITLE: 2U Active Cooler **A24**  
BOM & Overall Dimension Drawing

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|       |    |                   |            |
|-------|----|-------------------|------------|
| VIEW  |    | DWG. No:          | REV.       |
| UNITS | MM | <b>DYN-BD-A24</b> | <b>0.0</b> |

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