

A47

2U Active Air Cooler

PRODUCT SPECIFICATIONS

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Document History List

01/09/2023: Initial release (0.0)

03/06/2024: Retention change (0.1)

Model Number: A47

- Recommend for AMD CPU as following
 - AMD Ryzen Processor Family
- Active Cooler for 2U Server & Up

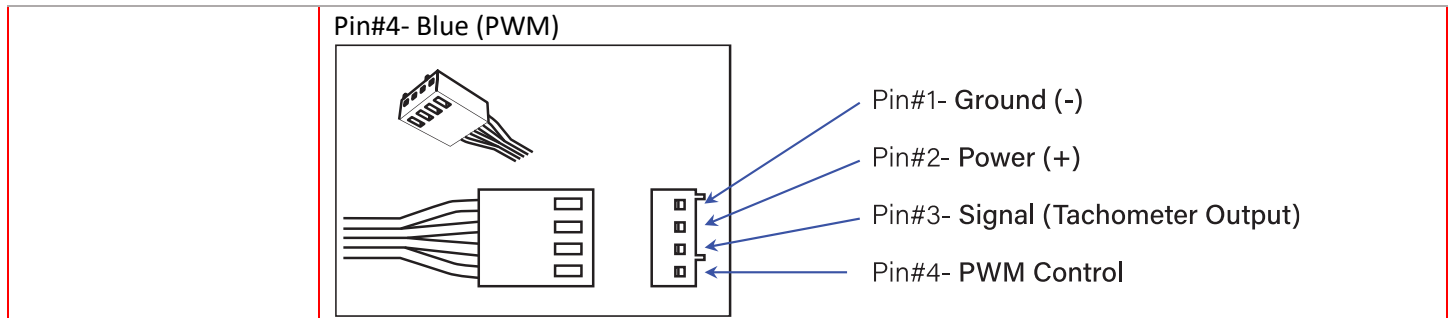
Overall Specification

Dimension	107 x 78 x 67 mm
Weight	400 g
Material	4 Heat pipes and Aluminum Stacked Fin
Fan	6025 Side-blow fan with PWM Function
Mounting Method	Convenient Heat Sink Captive Mounting
Thermal Grease	Shin-Etsu 7762 or Equivalent
TDP	Support CPU Power up to 170 Watts Heat Dissipation

Cooling Fan Specification

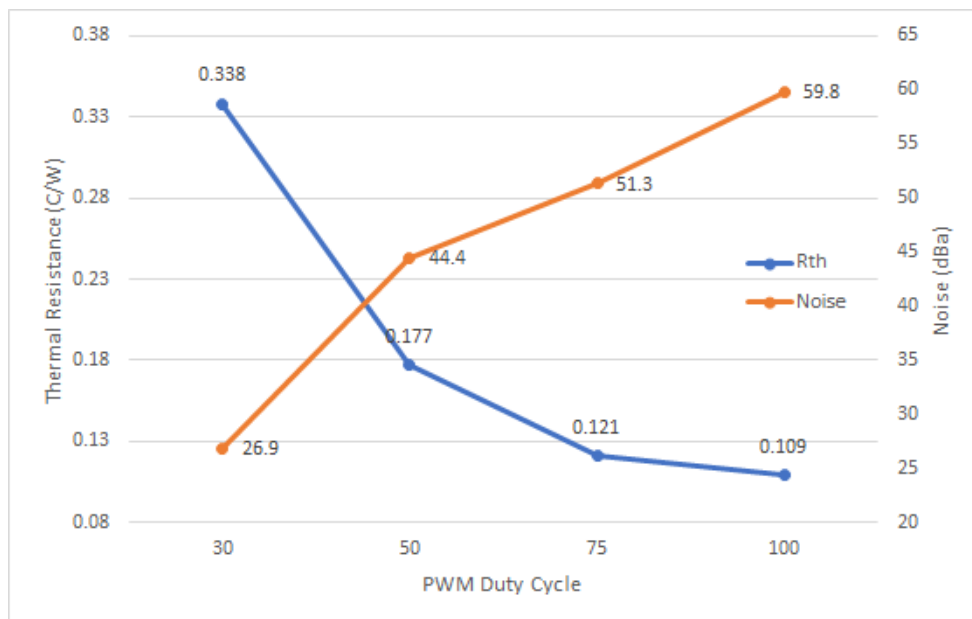
Model Number	DF126025BU-PWMH
Dimension	60 x 60 x 25 mm
Bearing	Double Ball
Rated Voltage	12V
Rated Speed	At Duty Cycle 0~20%: 2300± 200 RPM At Duty Cycle 50%: 5400± 10% RPM At Duty Cycle 100%: 11000±10% RPM
Input Power	At Duty Cycle 0~20%: 0.84 W At Duty Cycle 50%: 2.76 W At Duty Cycle 100%: 18.0 W
Maximum Airflow	At Duty Cycle 0~20%: 11.91 CFM At Duty Cycle 50%: 28.38 CFM At Duty Cycle 100%: 58.31 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 1.48 mm-H ₂ O At Duty Cycle 50%: 7.54 mm-H ₂ O At Duty Cycle 100%: 28.8 mm-H ₂ O
Acoustical Noise	At Duty Cycle 0~20%: 25.8 dBA At Duty Cycle 50%: 44.4 dBA At Duty Cycle 100%: 59.8 dBA
Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Yellow(+) Pin#3- Green(Tachometer/ Signal Output)

A47 | Socket AM4/AM5



Performance Chart: Active Cooler A47 Thermal Resistance

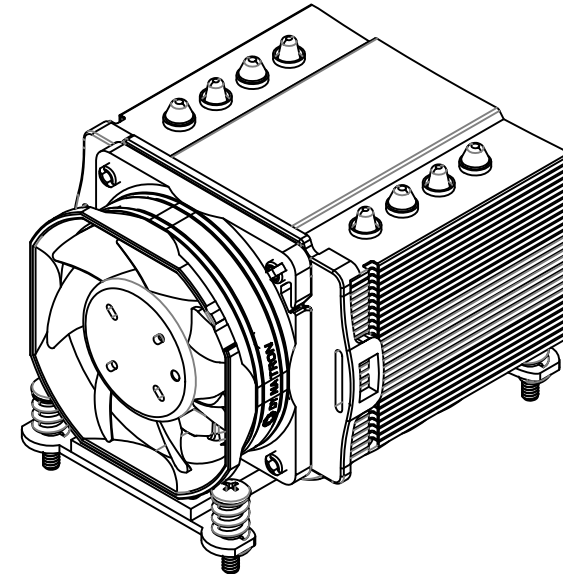
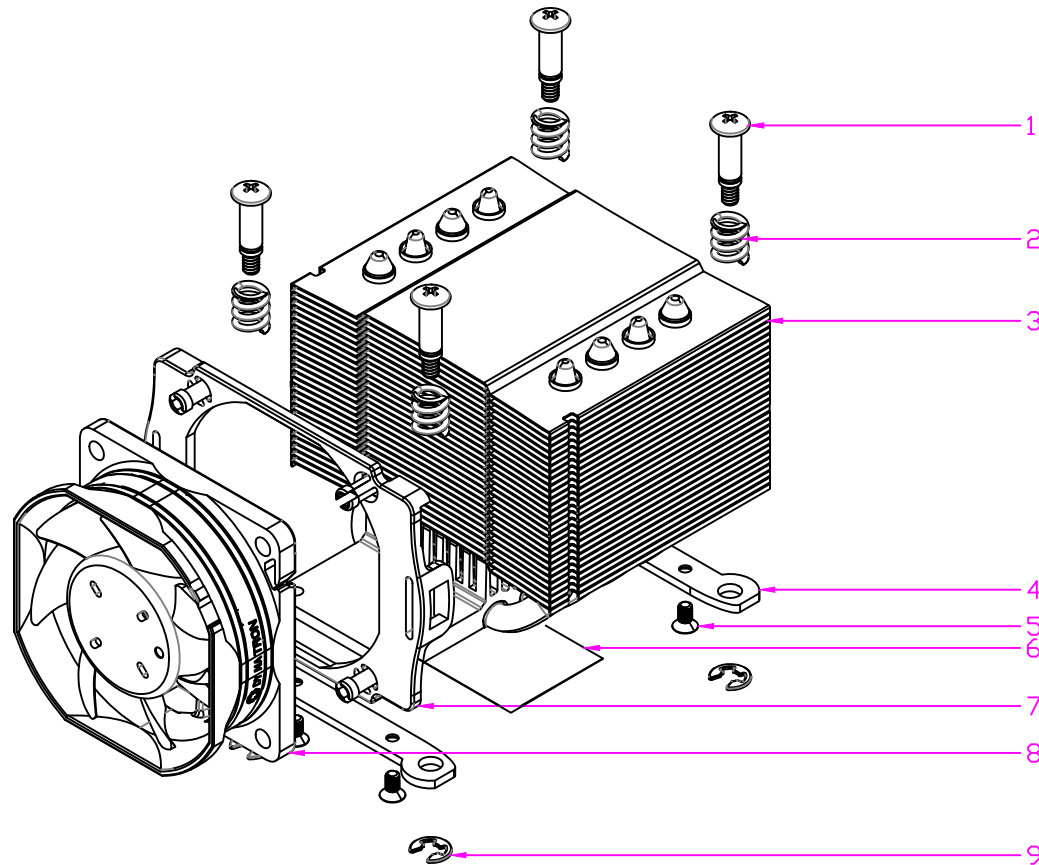
Active Cooler A47 Cooling Performance vs. Duty Cycle



CONFIDENTIAL DOCUMENT

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REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	Engr.	01/10/23
0.1	RETENTION CHANGE	Engr.	03/22/23



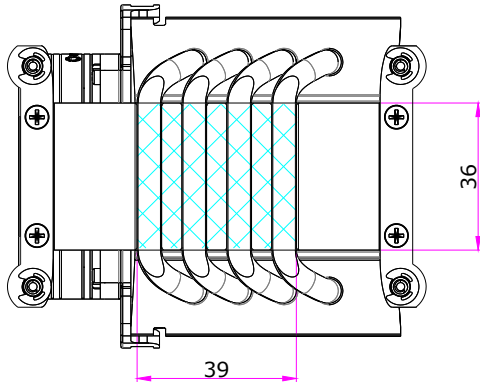
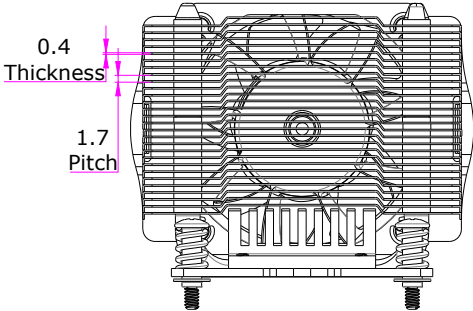
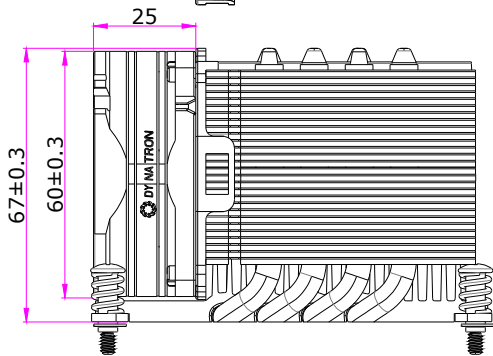
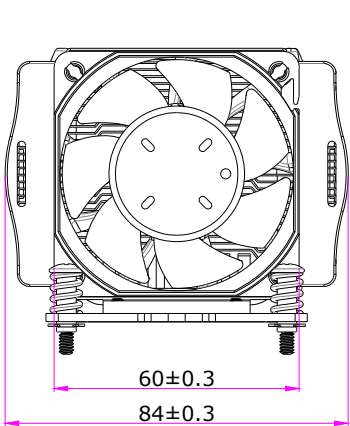
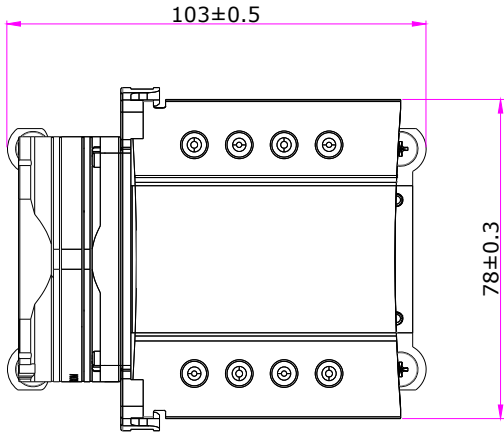
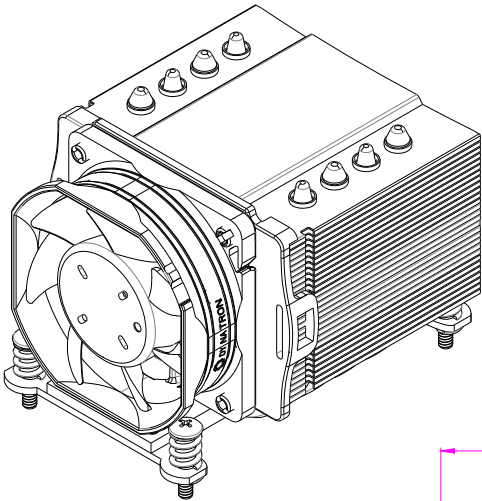
9	C-RING	STEEL	4
8	FAN DF126025BU-PWMH	PLASTIC	1
7	BRACKET, FAN	PLASTIC	1
6	THERMAL GREASE	PLASTIC	N/A
5	SCREW, RETENTION	STEEL	4
4	RETENTION, HEATSINK	STEEL	2
3	HEATSINK	AL STACK FIN, COPPER HEAT PIPE	1
2	SPRING	STEEL	4
1	SCREW, HEATSINK	STEEL	4
ITEM #	DESCRIPTION	MATERIAL	QTY.

NOTES:

1. THE FIGURE IS FOR REFERENCE ONLY, AND NOT FOR SCALE

DATE	NAME	 DYNATRON CORPORATION	
DRAWN 03/22/23	Engr.		
CHECKED 03/22/23	Engr.	TITLE: 2U Air Cooler A47 BOM & Exploded Assembly Drawing	
ENG. APPR.			
MFG. APPR.			
QA			
COMMENTS		DWG. No:	REV
		DYN-EP-A47	0.1

REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	Jun	03/10/23
0.1	CHANGE IN RETENTION	Jun	03/22/23



	NAME	DATE
DRAWN BY	Jun	03/22/2023
CHECKED BY	Jun	03/22/2023
ENG.APPROVED		
MFG.APPROVED	-	-



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TITLE: 2U Air Cooler A47
Overall Dimension Drawing

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UNITS	MM

DWG. No: DYN-BD-A47

REV. 0.1