



# A51

1U Passive Air Cooler

**PRODUCT SPECIFICATIONS**

Specification Version: 07/01/2023

*(Specifications are subject to change without notice)*

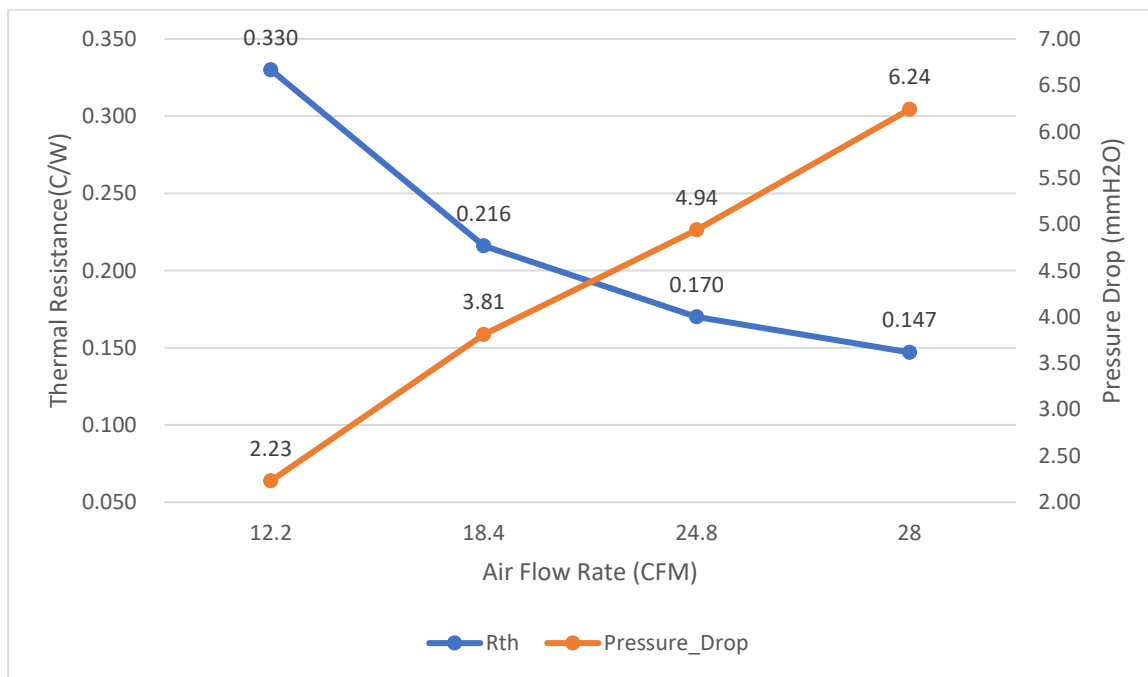
## Model Number: A51

- Recommend for AMD® CPU as following
  - AMD® EPYC™ Processor, Socket SP6
- Passive Air Cooler for 1U Server and Up

## Overall Specification

Dimension	120.0 x 82.0 x 27.0 mm
Weight	500g
Material	Copper 1100 Vapor Chamber and Copper Stacked Fin
Thermal Grease	Shin-Etsu 7762 Pre-Printed
TDP	Up to 205 Watts (at 25CFM)

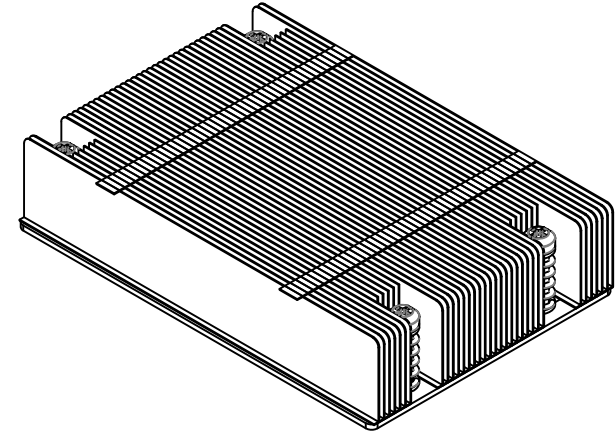
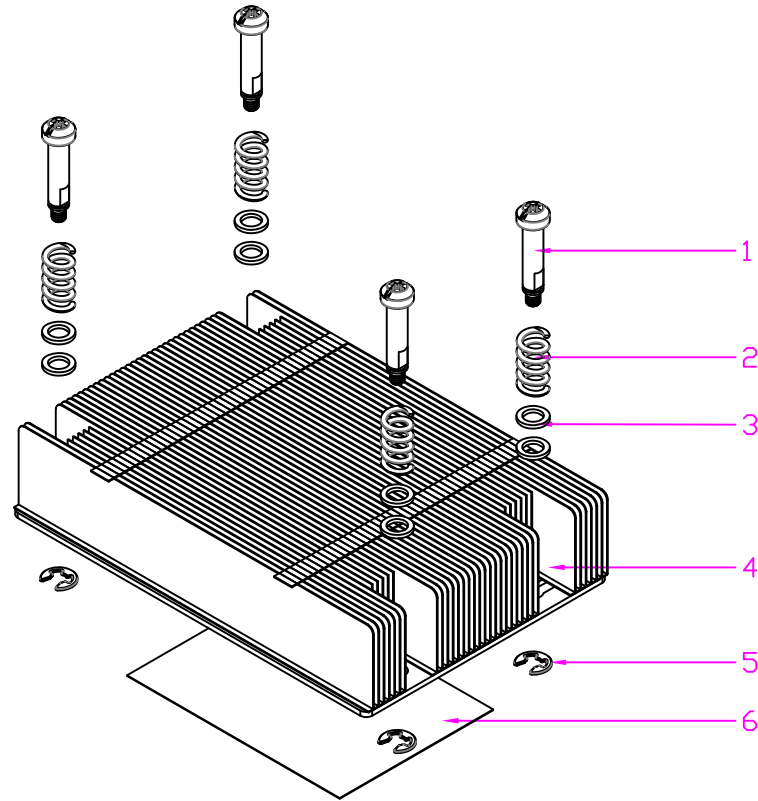
## Performance Chart: Passive Cooler A51 Thermal Resistance vs. Air Flow Rate




CONFIDENTIAL DOCUMENT

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REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	Engr.	06/30/23
0.1	THERMAL GREASE SIZE UPDATE	Engr.	07/01/23



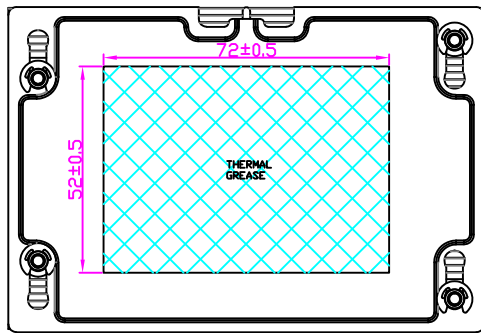
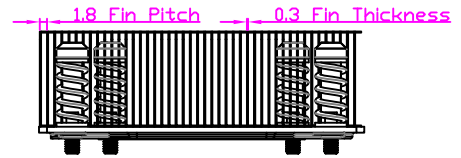
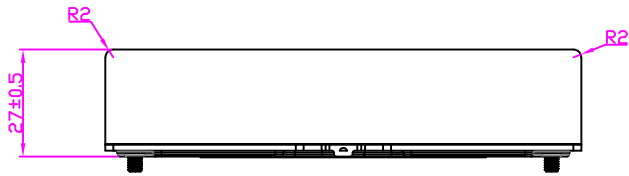
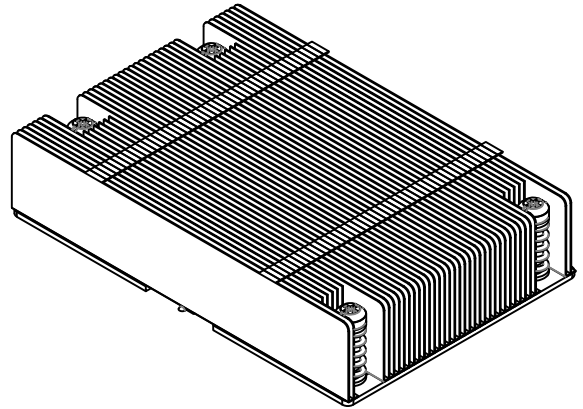
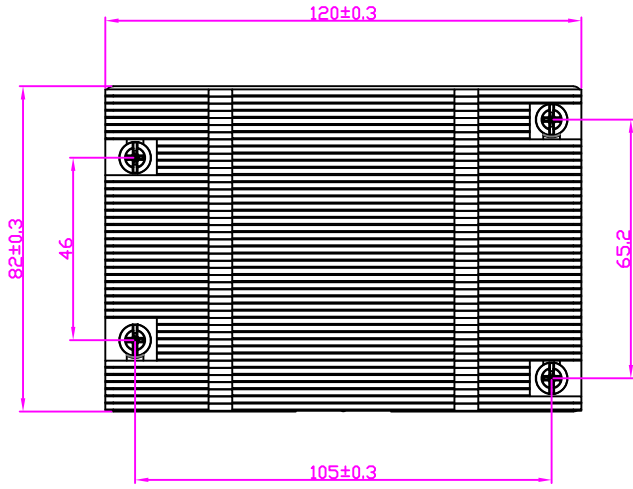
6	THERMAL GREASE	SHIN-ETSU X-23-7762	N/A
5	HEATSINK CLIP	STEEL	4
4	HEATSINK	COPPER VC BASE, COPPER FINS	1
3	HEATSINK, WASHER	STEEL	8
2	HEATSINK, SPRING (0890)	STEEL	4
1	HEATSINK, SCREW (4380)	STEEL	4
ITEM #	DESCRIPTION	MATERIAL	QTY.

DATE	NAME	 DYNATRON CORPORATION
DRAWN 07/01/23	Engr.	
CHECKED 07/01/23	Engr.	
ENG. APPR.		
MFG. APPR.		
TITLE: 1U Air CoolerA51 BOM & Exploded Assembly Drawing		DWG. No: DYN-EP-A51
COMMENTS:		

NOTES:

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

REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	Engr.	06/30/23



	NAME	DATE
DRAWN BY	ENGR	06/30/2023
CHECKED BY	ENGR	06/30/2023
ENG. APPROVED		
MFG. APPROVED	-	-



**DYNATRON CORPORATION**

TITLE: 1U Air Cooler A51  
Overall Dimension Drawing

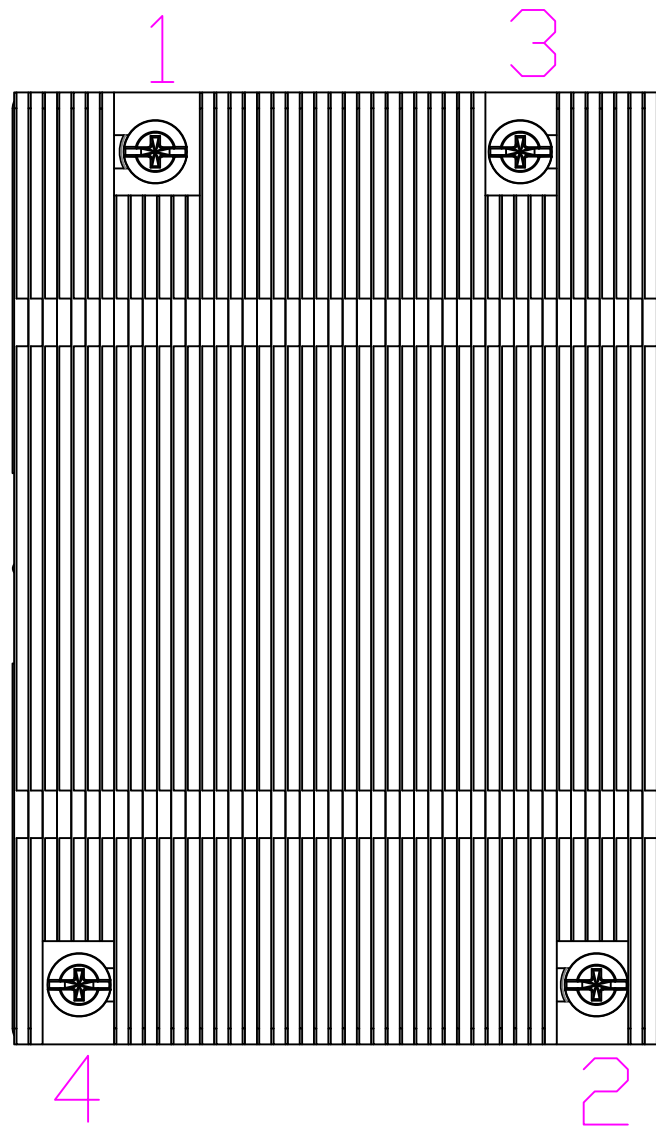
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VIEW	
UNITS	MM

DWG. No:	DYN-DM-A51
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REV.	0.0
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# SOCKET SP6 COOLER INSTALLATION INSTRUCTION



HEATSINK ASSEMBLY  
ORDER 1,2,3,4

HEATSINK DISASSEMBLY  
ORDER 4,3,2,1

TORQUE = 12.5 - 15.1 KG -CM

ALL SCREWS SHOULD BE  
TIGHTENED/RELEASED EVENLY, AVOIDING  
TIGHTENING/RELEASING ANY SCREWS TO THE  
BOTTOM/TOP AT ONCE

**A51 | Socket SP6**

## Publication History:

07/01/2023: Thermal Grease Size Update

06/30/2023: Initial Release

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