

J23

2U Active Air Cooler

PRODUCT SPECIFICATIONS

Speficiation Version: 04/10/2025

(Specifications are subject to change without notice)

Model Number: J23

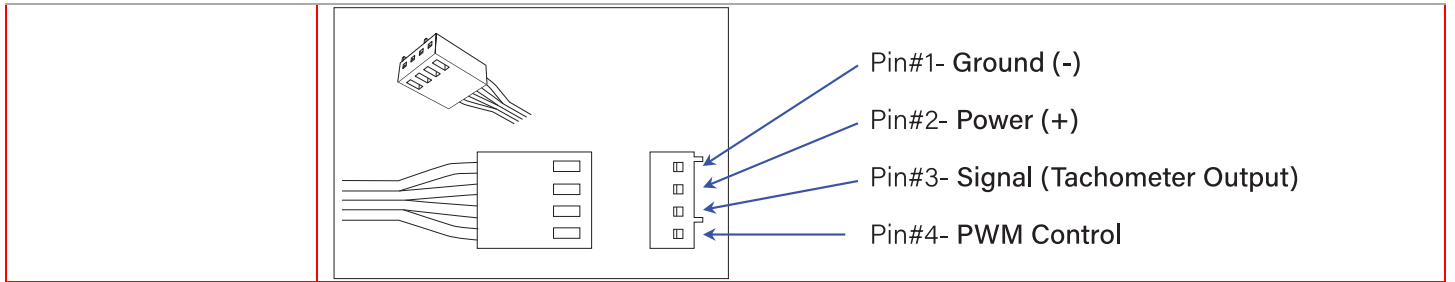
- Recommend for AMD® CPU as following
AMD® Processor Family, Socket SP7
- Active Air Cooler for U Server and Up

Overall Specification

Dimension	120.0 x 103.6 x mm
Weight	g
Material	Aluminum Fin + Heat pipes + Copper Heat Spreader Embedded Aluminum Heatsink Base
Thermal Grease	Shin-Etsu 8195-4 or Equivalent Pre-Printed
TDP	Up to Watts

Cooling Fan Specification

Model Number	DF12 . § t ´ aD
Dimension	x 0 x 8 mm
Bearing	Double Ball
Rated Voltage	DC 12V
Rated Speed	At Duty Cycle 0~20%: 2 ± 200 RPM At Duty Cycle 50%: ± 10% RPM At Duty Cycle 100%: 8000±10% RPM
Input Power	At Duty Cycle 0~20%: W At Duty Cycle 50%: W At Duty Cycle 100%: W
Maximum Airflow	At Duty Cycle 0~20%: CFM At Duty Cycle 50%: CFM At Duty Cycle 100%: CFM
Rated Static Pressure	At Duty Cycle 0~20%: mm-H2O At Duty Cycle 50%: 1 mm-H2O At Duty Cycle 100%: mm-H2O
Acoustical Noise	At Duty Cycle 0~20%: 16.00 dBA At Duty Cycle 50%: 44.24 dBA At Duty Cycle 100%: 57.00dBA
Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Yellow(+) Pin#3- Green(Tachometer/ Signal Output) Pin#4- Blue (PWM)

J23 | Socket SP7

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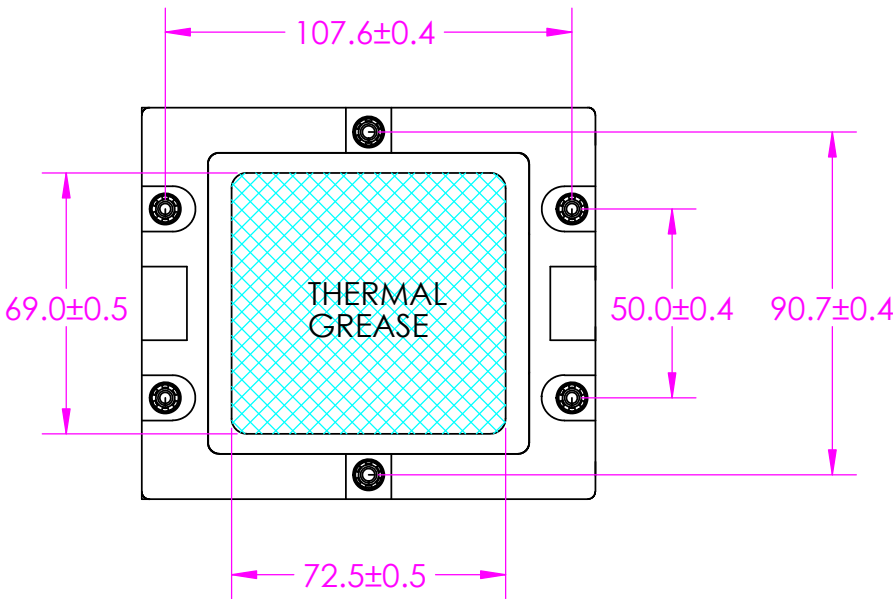
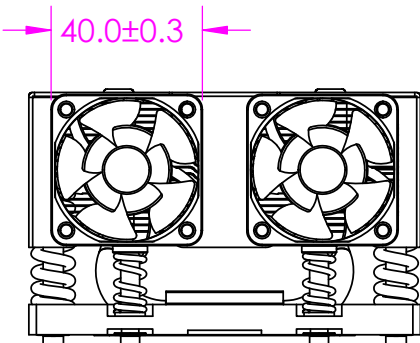
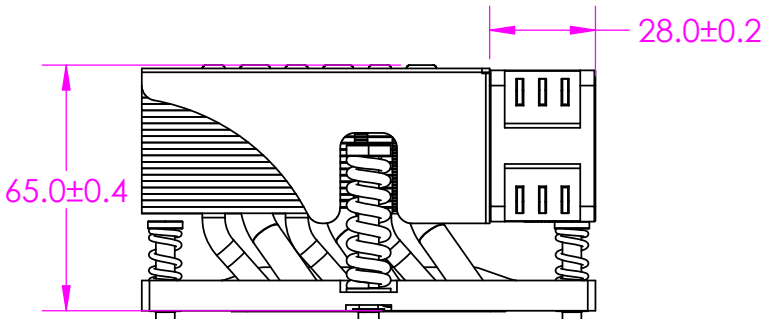
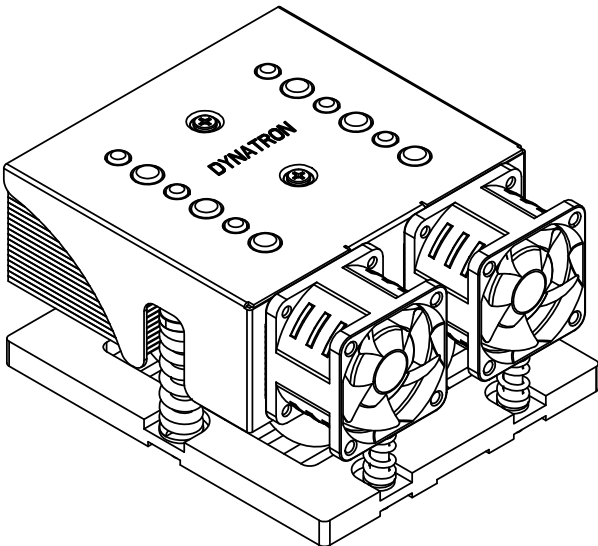
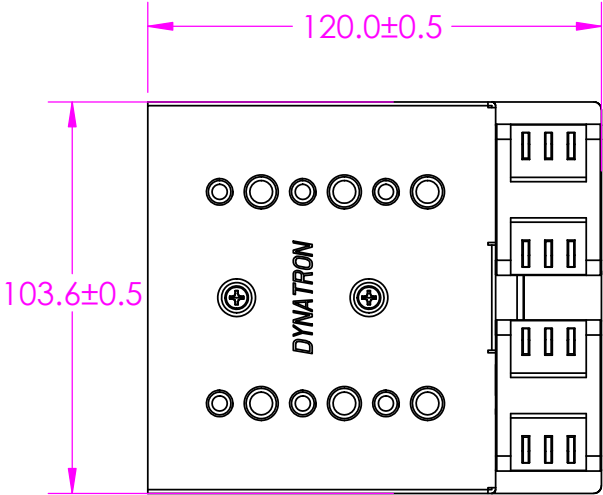
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REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	JUN	04/10/25



	NAME	DATE
DRAWN BY	JUN	4/10/2025
CHECKED BY	JUN	4/10/2025
ENG. APPROVED		
MFG. APPROVED		



DYNATRON CORPORATION

TOP MOTOR

TITLE:

2U ACTIVE COOLER J23
OVERALL DIMENSION DRAWING

CONFIDENTIAL DOCUMENT

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VIEW	
UNITS	MM

DWG. No:	DYN-BD-J23
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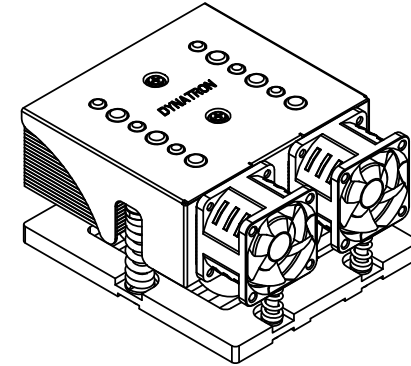
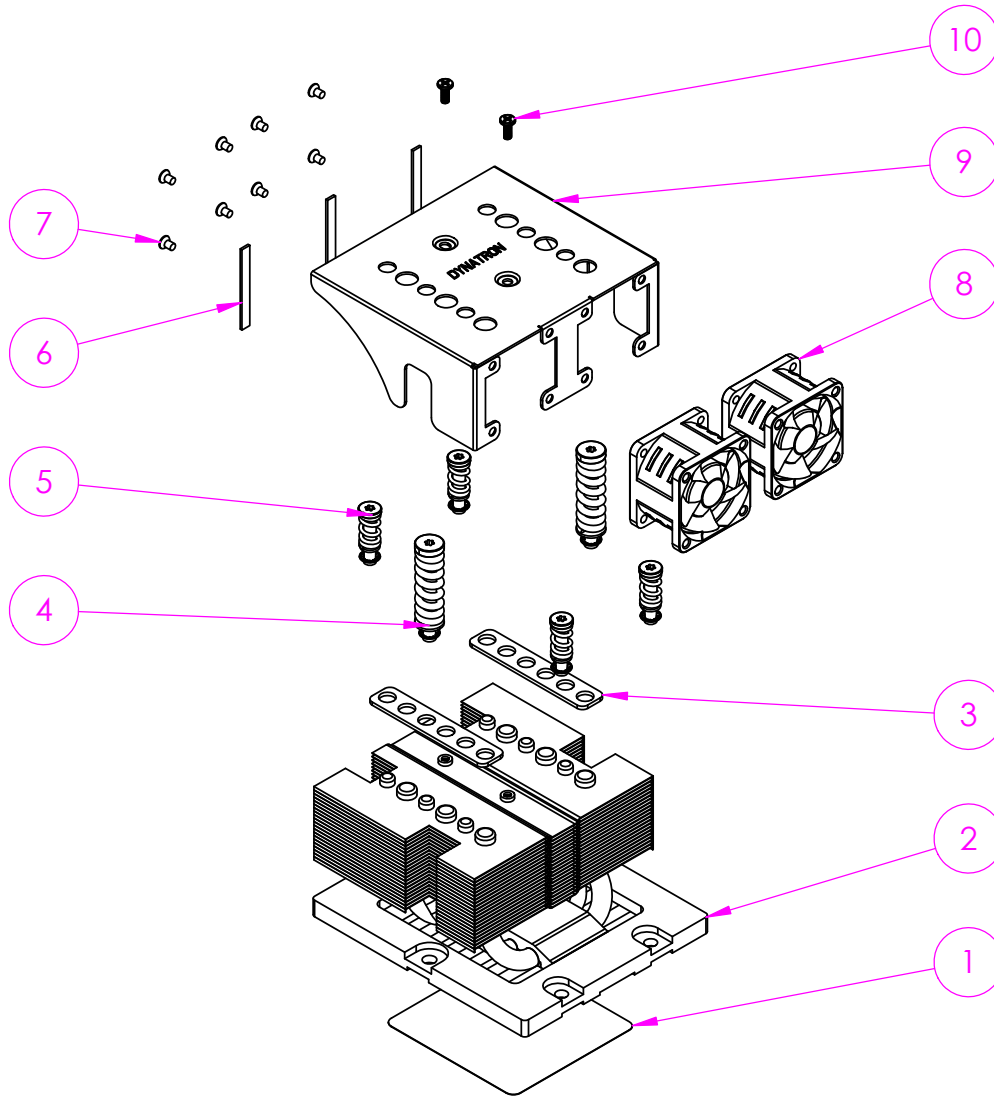
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10	SCREW, FAN COVER	STEEL	2
9	FAN COVER	SPCC	1
8	FAN, DF124028-18000 RPM	PLASTIC	2
7	SCREW, FAN	STEEL	8
6	FAN GASKET	FOAM	3
5	INSTALLATION SCREW KIT, M3 (CORNER)	STEEL	4
4	INSTALLATION SCREW KIT, M4 (CENTER)	STEEL	2
3	FAN COVER GASKET	RUBBER	2
2	HEAT SINK	BASE, CENTER: CU BASE, EDGE: AL HEATPIPE: CU FIN: AL	1
1	THERMAL GREASE	SHIN-ETSU 8195 (OR EQUAL)	N/A
ITEM #	DESCRIPTION	MATERIAL	QTY.

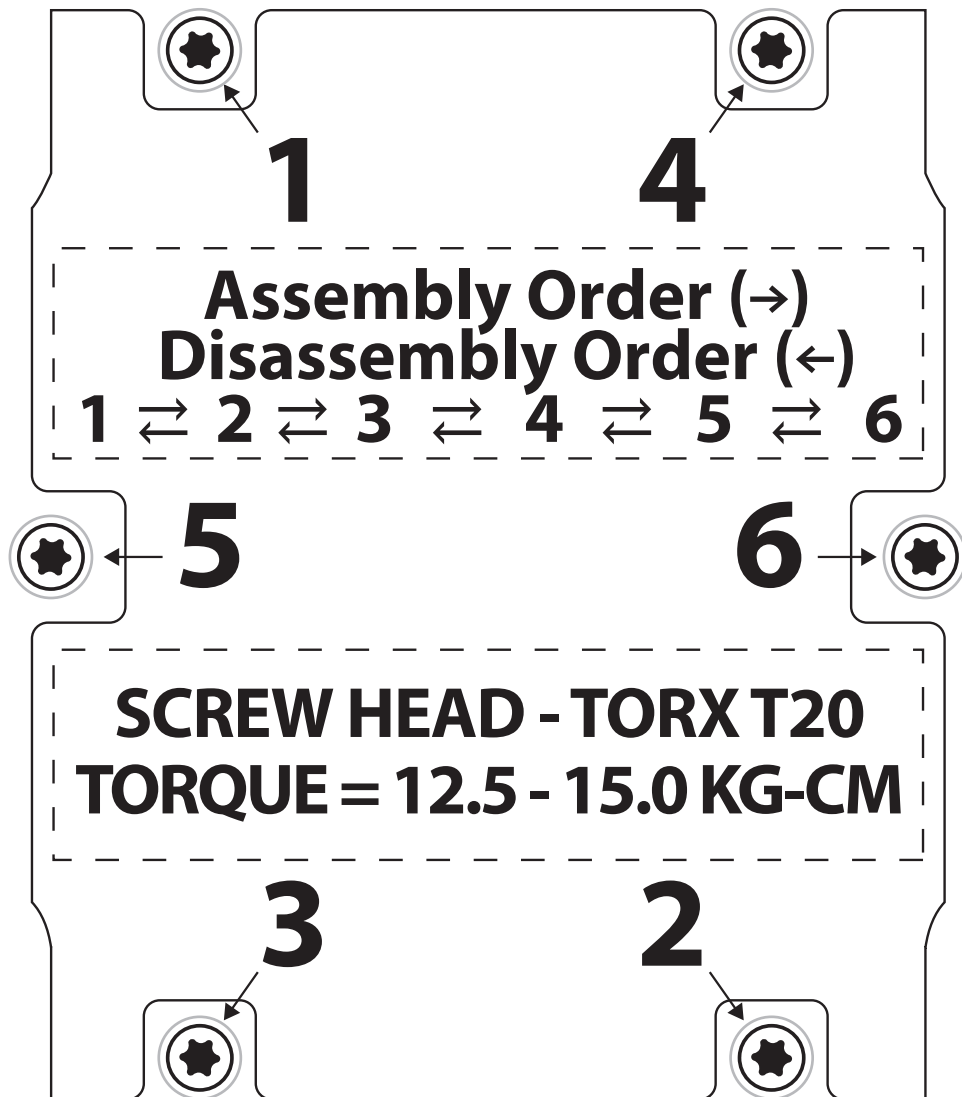
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NOTES:
THE FIGURE IS FOR REFERENCE ONLY, AND NOT FOR SCALE

	DATE	NAME	 DYNATRON CORPORATION TOP MOTOR	
DRAWN	4/10/2025	JUN	TITLE: 2U ACTIVE COOLER J23 BOM & exploded Assembly Drawing	
CHECKED	4/10/2025	JUN		
ENG.APPR.				
MFG.APPR.				
COMMENTS:			DWG. NO. DYN-EP-J23	REV 0.0

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Recommended Torque Application Pattern for Socket SP7 Coolers



WARNING: Failure to attach thermal solutions one-at-a-time in the sequence 1-2-3-4-5-6 and failure to remove thermal solutions one at a time in the sequence 6-5-4-3-2-1 can lead to permanent socket damage.

Publication History:

04/08/2025: Initial Release

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