

J23

2U Active Air Cooler

PRODUCT SPECIFICATIONS

Specification Version: 06/24/2026

(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 2U Server and Up

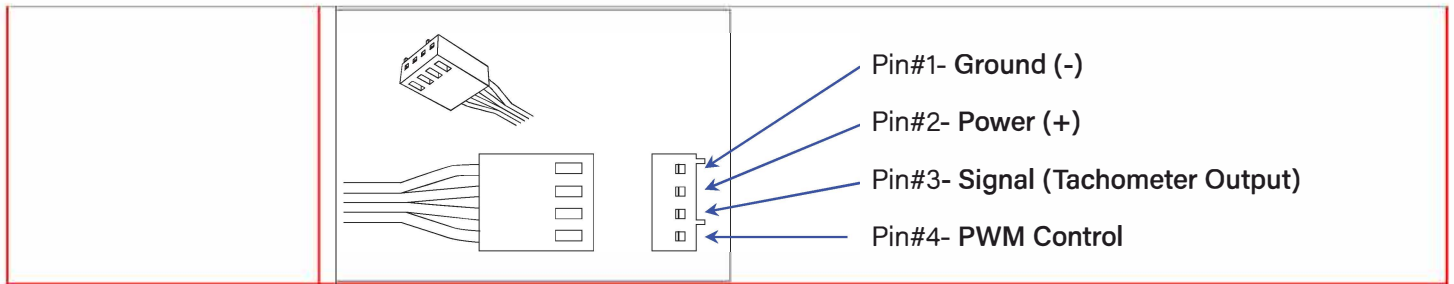
Overall Specification

Dimension	120.0 x 103.6 x 65.0 mm
Weight	930 ± 5g
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 450W at 30°C Ambient Temperature

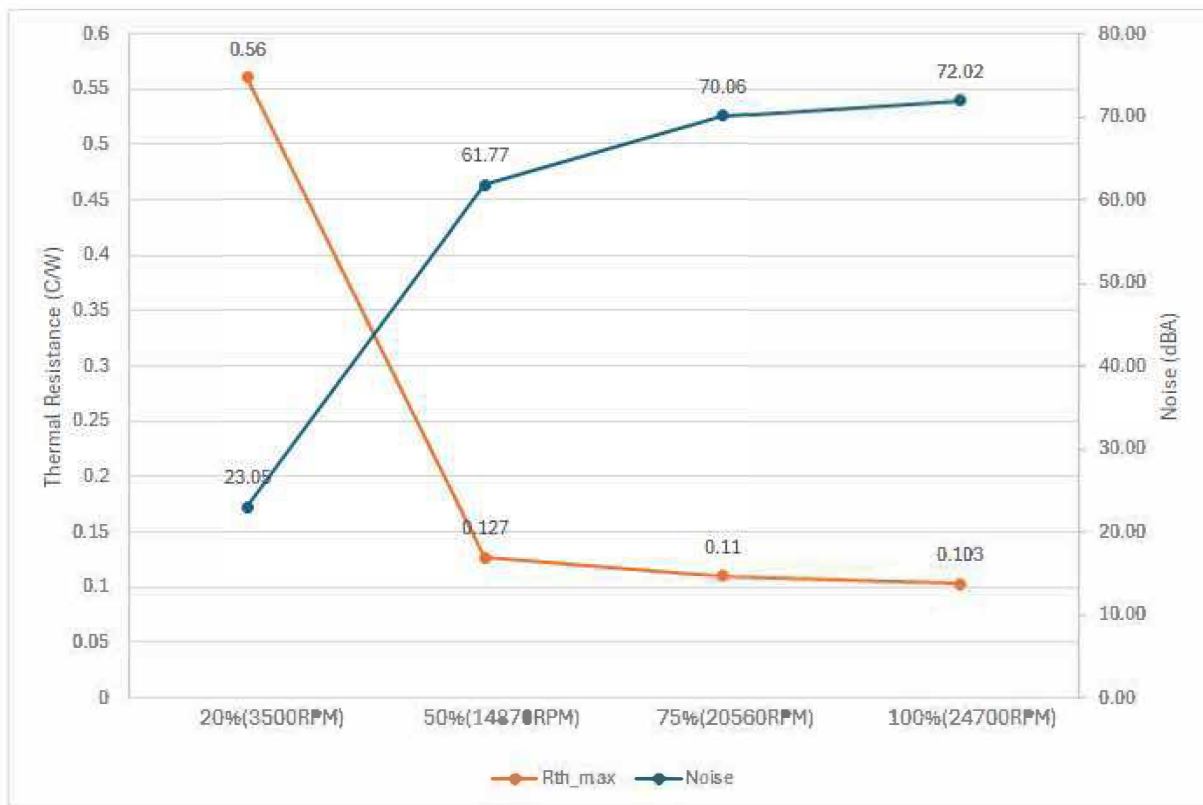
Cooling Fan Specification

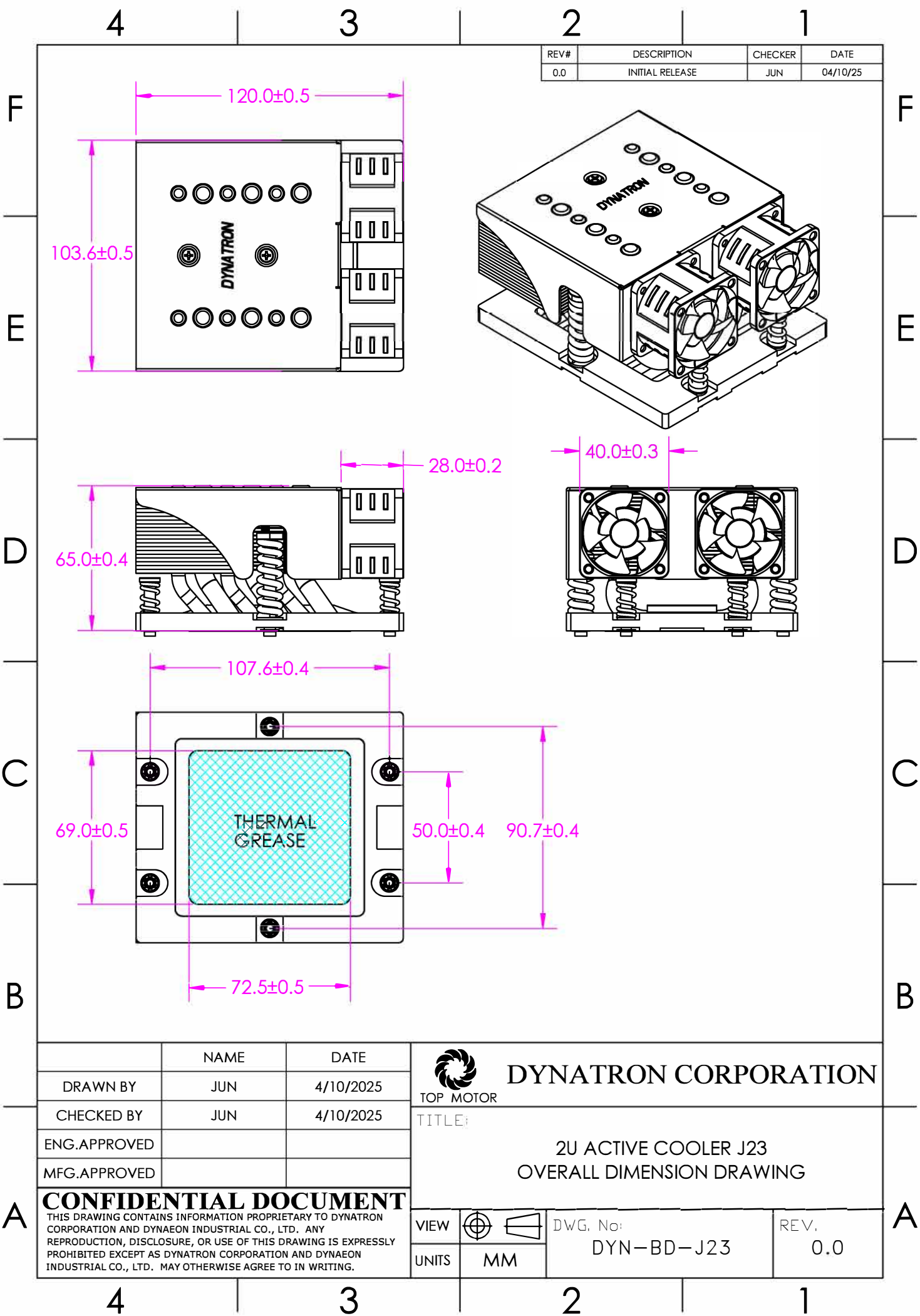
Model Number	DF124028BU-PWMH, 26000RPM
Dimension	40 x 40 x 28 mm
Bearing	Double Ball
Rated Voltage	DC 12V
Rated Speed	At Duty Cycle 0~20%: 3300±10% RPM At Duty Cycle 50%: 15000± 10% RPM At Duty Cycle 100%: 26000±10% RPM
Input Power	At Duty Cycle 0~20%: 0.72 W At Duty Cycle 50%: 6 W At Duty Cycle 100%: 22.8 W
Maximum Airflow	At Duty Cycle 0~20%: 4.74 CFM At Duty Cycle 50%: 21.53 CFM At Duty Cycle 100%: 37.32 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 1.612mm-H2O At Duty Cycle 50%: 33.30 mm-H2O At Duty Cycle 100%: 100.6 mm-H2O
Acoustical Noise	At Duty Cycle 0~20%: 19.35 dBA At Duty Cycle 50%: 52.23 dBA At Duty Cycle 100%: 64.17 dBA
Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Yellow(+) Pin#3- Green(Tachometer/ Signal Output) Pin#4- Blue (PWM)

J23 | Socket SP7



Performance Chart: J23 Thermal Resistance Thermal Resistance vs. Blower Speed





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**

TITLE:
**2U ACTIVE COOLER J23
OVERALL DIMENSION DRAWING**

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VIEW		DWG. No:	REV.
UNITS	MM	DYN-BD-J23	0.0

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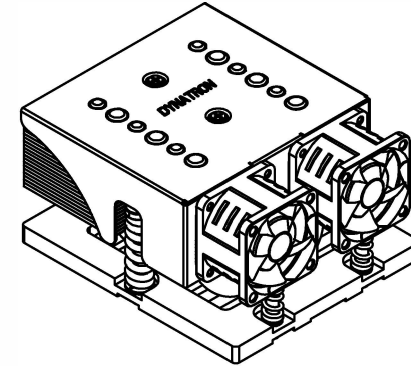
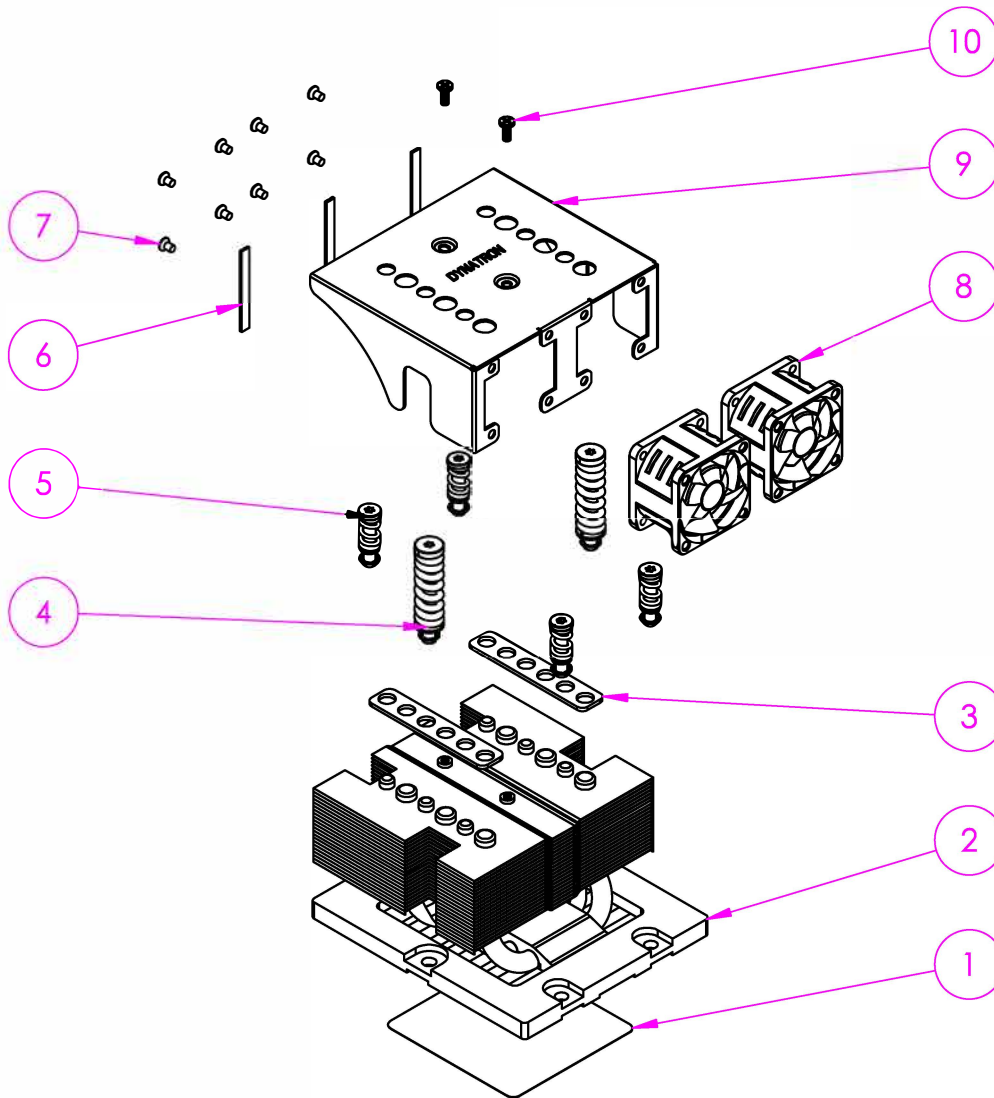
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REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	JUN	04/10/25

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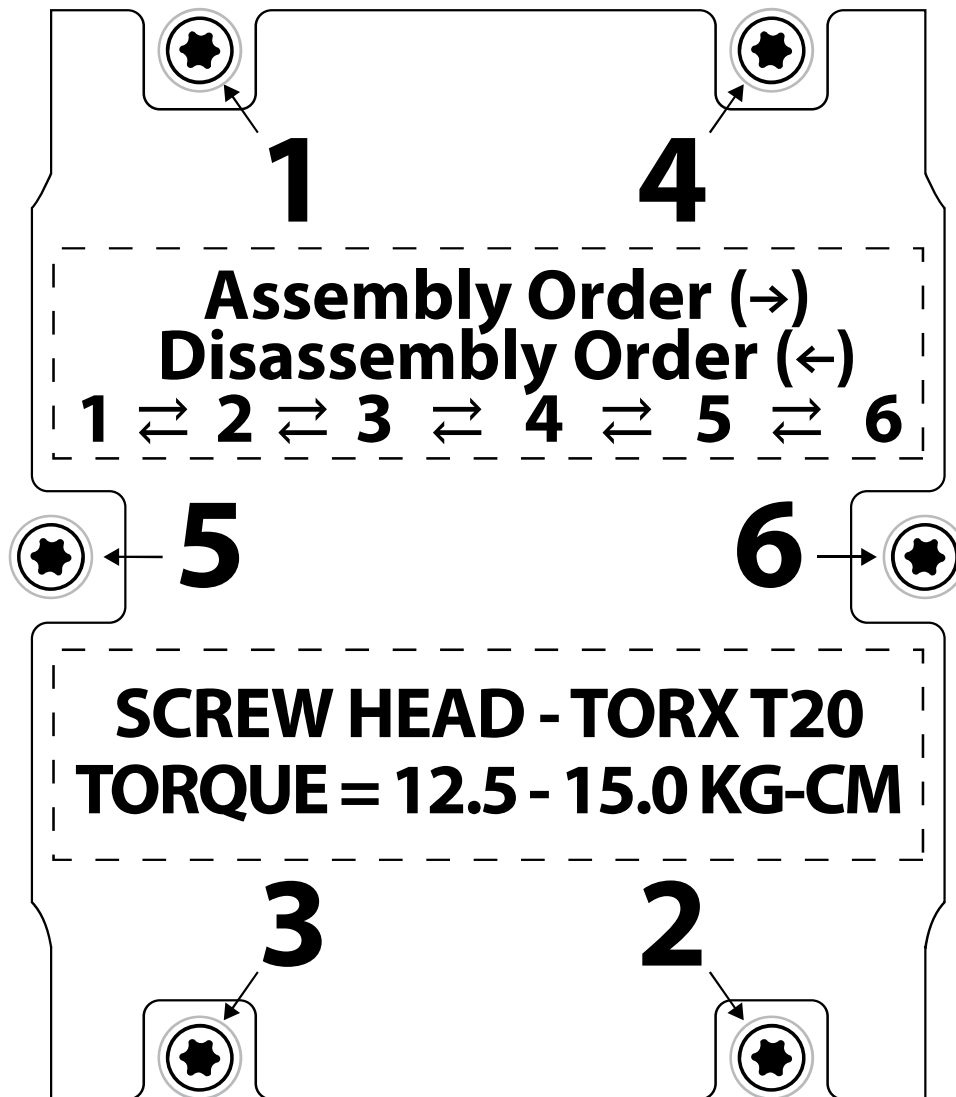
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10	SCREW, FAN COVER	STEEL	2														
9	FAN COVER	SPCC	1														
8	FAN, DF124028BU-PWMH, 26000RPM	PLASTIC	2														
7	SCREW, FAN	STEEL	8														
6	FAN GASKET	FOAM	3														
5	INSTALLATION SCREW KIT, M3 (CORNER)	STEEL	4														
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.														
<table><tr><td rowspan="4">DRAWN</td><td>DATE</td><td>NAME</td><td rowspan="4"> DYNATRON CORPORATION TOP MOTOR</td></tr><tr><td>4/10/2025</td><td>JUN</td></tr><tr><td>4/10/2025</td><td>JUN</td></tr><tr><td></td><td></td></tr><tr><td colspan="3">COMMENTS:</td><td></td></tr></table>				DRAWN	DATE	NAME	 DYNATRON CORPORATION TOP MOTOR	4/10/2025	JUN	4/10/2025	JUN			COMMENTS:			
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DWG. NO.			REV														
DYN-EP-J23			0.0														

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

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:

06/24/2026: Cooler Information Correction

08/21/2025: Thermal Resistance vs. Fan Speed

04/08/2025: Initial Release

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