

W24

Active Air Cooler

PRODUCT SPECIFICATIONS

Spelification Version: 01/10/2025

(Specifications are subject to change without notice)

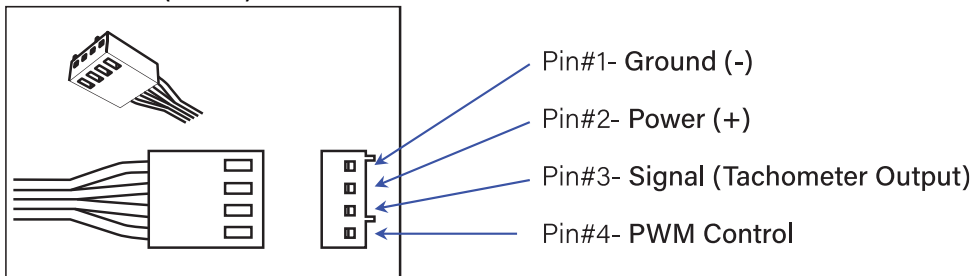
W24 | LGA5964**Model Number: W24**

- Recommend for Intel® Socket LGA 5964
- Active Air Cooler for Tower PC
- Designed for Ampere AmpereOne CPU

Overall Specification

Dimension	125.0 x 120.0 x 158.0 mm (LxWxH)
Weight	994g
Material	Copper Base + Direct Contact Heat Pipe + Aluminum Fins
Thermal Interface Material	Shin-Etsu X23-8079-2 (or equivalent) Pre-Printed and Tflex HD7.5 Pre-applied (or equivalent)
TDP	Fully support 400W at 41 °C Ambient Temperature

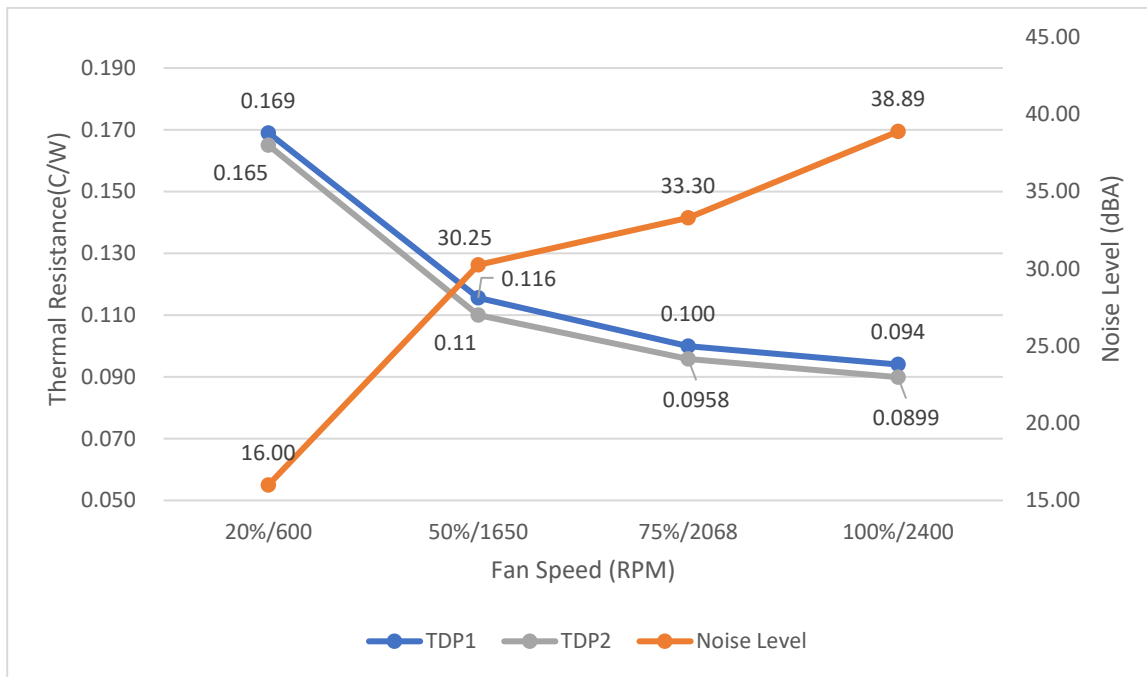
Cooling Fan Specification

Model Number	DF121225SM
Dimension	120 x 120 x 25 mm
Bearing	Double Ball
Rated Voltage	12V
Rated Speed	At Duty Cycle 0~20%: 600 ± 200 RPM At Duty Cycle 50%: 1650 ± 200 RPM At Duty Cycle 100%: 2400 ± 10% RPM
Input Power	At Duty Cycle 0~20%: 0.6 W At Duty Cycle 50%: 1.92 W At Duty Cycle 100%: 5.4 W
Maximum Airflow	At Duty Cycle 0~20%: 21.98 CFM At Duty Cycle 50%: 60.45 CFM At Duty Cycle 100%: 87.93 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 0.25 mm-H ₂ O At Duty Cycle 50%: 1.91 mm-H ₂ O At Duty Cycle 100%: 4.05 mm-H ₂ O
Acoustical Noise	At Duty Cycle 0~20%: 16 dBA At Duty Cycle 50%: 30.25 dBA At Duty Cycle 100%: 38.89 dBA
Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Black(+) Pin#3- Black(Tachometer/ Signal Output) Pin#4- Black(PWM) 

W24 | LGA5964

Performance Chart: Active Cooler W24 Thermal Resistance Thermal Resistance vs. Fan Speed

LGA 5964



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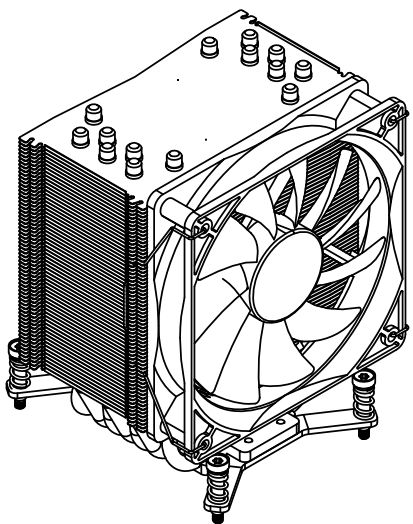
CONFIDENTIAL DOCUMENT

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REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	MichaelZ	11/18/24

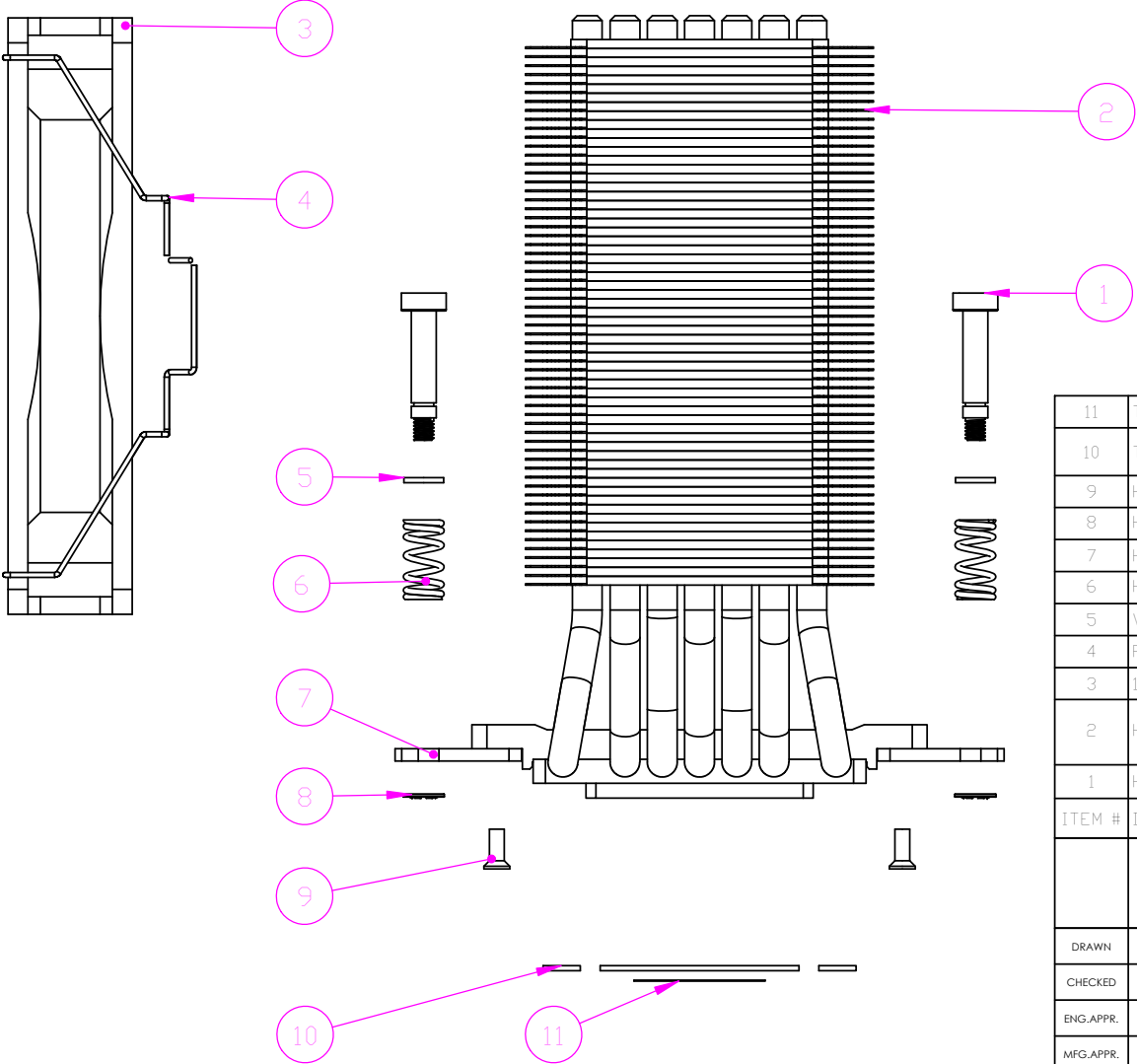
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11	THERMAL GREASE	SHIN-ETSU X23-8079-2 (OR EQUIVALENT)	1
10	Thermal Pad Set	Tflex HD7.5 (OR EQUIVALENT)	1
9	Heatsink Bracket Screw	Steel	4
8	Heatsink Screw Clip	STEEL	4
7	Heatsink Bracket	SPCC	2
6	Heatsink Spring	SWC	4
5	Washer	Steel	4
4	Fan Bracket	Steel	2
3	12025 2200RPM Fan	Plastic	1
2	Heatsink	Heatpipes, AL6063 Base, CU1100 Base Black, AL1100 Fin	1
1	Heatsink Screw	Steel	4
ITEM #	DESCRIPTION	MATERIAL	QTY.

	DATE	NAME	 DYNATRON CORPORATION	
DRAWN	11/18/2024	MichaelZ	TITLE: W24 BOM & exploded Assembly Drawing	
CHECKED	11/18/2024	MichaelZ		
ENG.APPR.				
MFG.APPR.				
COMMENTS:			DWG. NO. DYN-EP-W24	REV 0.0

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

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REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	MichaelZ	11/18/24

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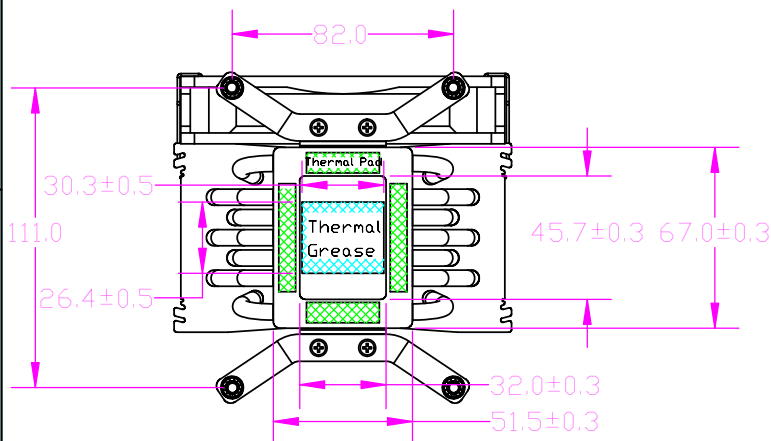
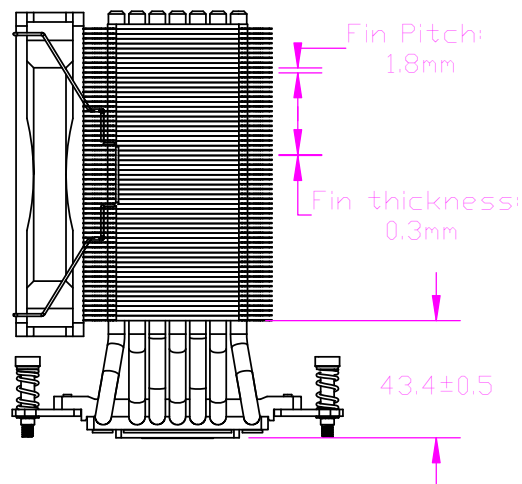
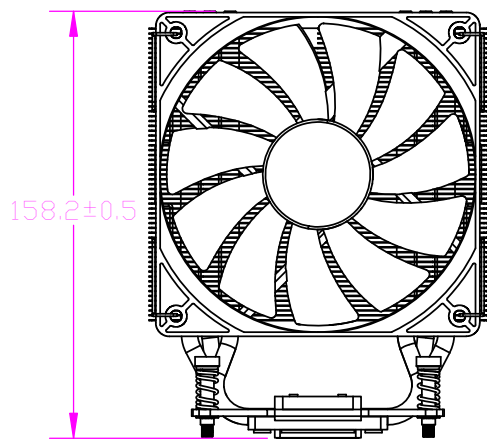
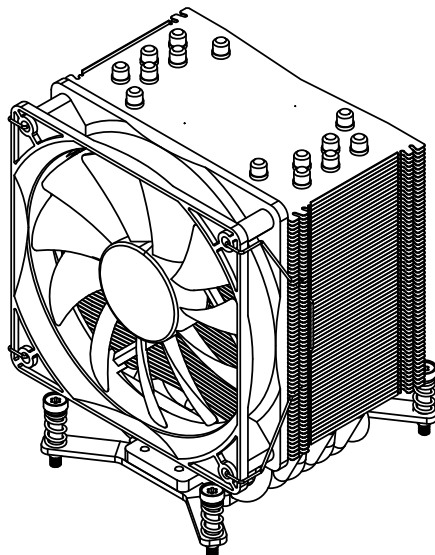
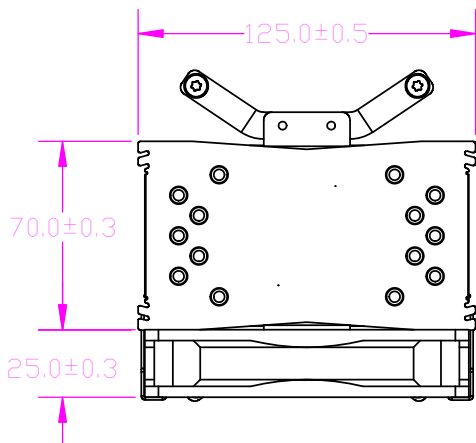
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NOTES:
1. THE FIGURE IS FOR REFERENCE ONLY, AND NOT FOR SCALE
2. RECOMMENDED HEATSINK TORQUE RANGE:12-24 LBF-IN

	NAME	DATE
DRAWN BY	MichaelZ	11/18/2024
CHECKED BY	MichaelZ	11/18/2024
ENG.APPROVED		
MFG.APPROVED		



TOP MOTOR

DYNATRON CORPORATION

TITLE:

W24 Overall Dimension Drawing

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VIEW	
UNITS	MM

DWG. No:	DYN-BD-W24
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REV.	0.0
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Publication History:

01/10/2025: Initial Release

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