



W23

3U Active Air Cooler

PRODUCT SPECIFICATIONS

Specification Version: 11/11/2024

(Specifications are subject to change without notice)

W23 | LGA 5964**Model Number: W23**

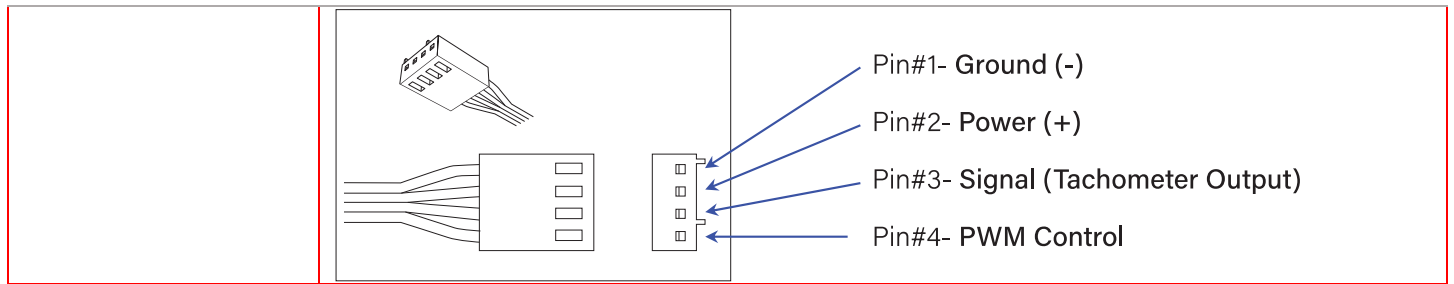
- Recommend for LGA 5964 Processor
- Active Air Cooler for 3U Server and Up

Overall Specification

Dimension	126.8 x 93.5 x 105.0 mm
Weight	Pending Sample Test
Material	Aluminum + Copper Heatsink Base + Heatpipe + Aluminum Fins
Thermal Interface Material	Shin-Etsu X23-8079-2 (or equivalent) Pre-Printed Tflex HD7.5 (or equivalent) Pre-Applied
TDP	Pending Sample Test

Cooling Fan Specification

Model Number	DF128038BX-E
Dimension	80 x 80 x 38 mm
Bearing	Double Ball
Rated Voltage	DC 12V
Rated Speed	At Duty Cycle 0~20%: 2400± 200 RPM At Duty Cycle 50%: 4800± 10% RPM At Duty Cycle 100%: 8000±10% RPM
Input Power	At Duty Cycle 0~20%: 1.2 W At Duty Cycle 50%: 5.52 W At Duty Cycle 100%: 24.72 W
Maximum Airflow	At Duty Cycle 0~20%: 32.52 CFM At Duty Cycle 50%: 67.24 CFM At Duty Cycle 100%: 115.61 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 3.45 mm-H ₂ O At Duty Cycle 50%: 13.6 mm-H ₂ O At Duty Cycle 100%: 38.3 mm-H ₂ O
Acoustical Noise	At Duty Cycle 0~20%: 25.63 dBA At Duty Cycle 50%: 47.85 dBA At Duty Cycle 100%: 64.40 dBA
Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Yellow(+) Pin#3- Green(Tachometer/ Signal Output) Pin#4- Blue (PWM)

W23 | LGA 5964

Performance Chart: W23 Thermal Resistance

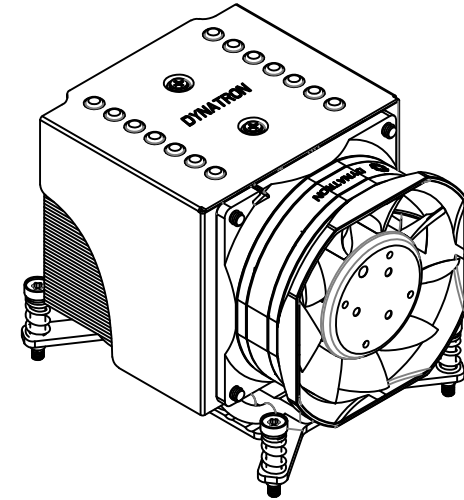
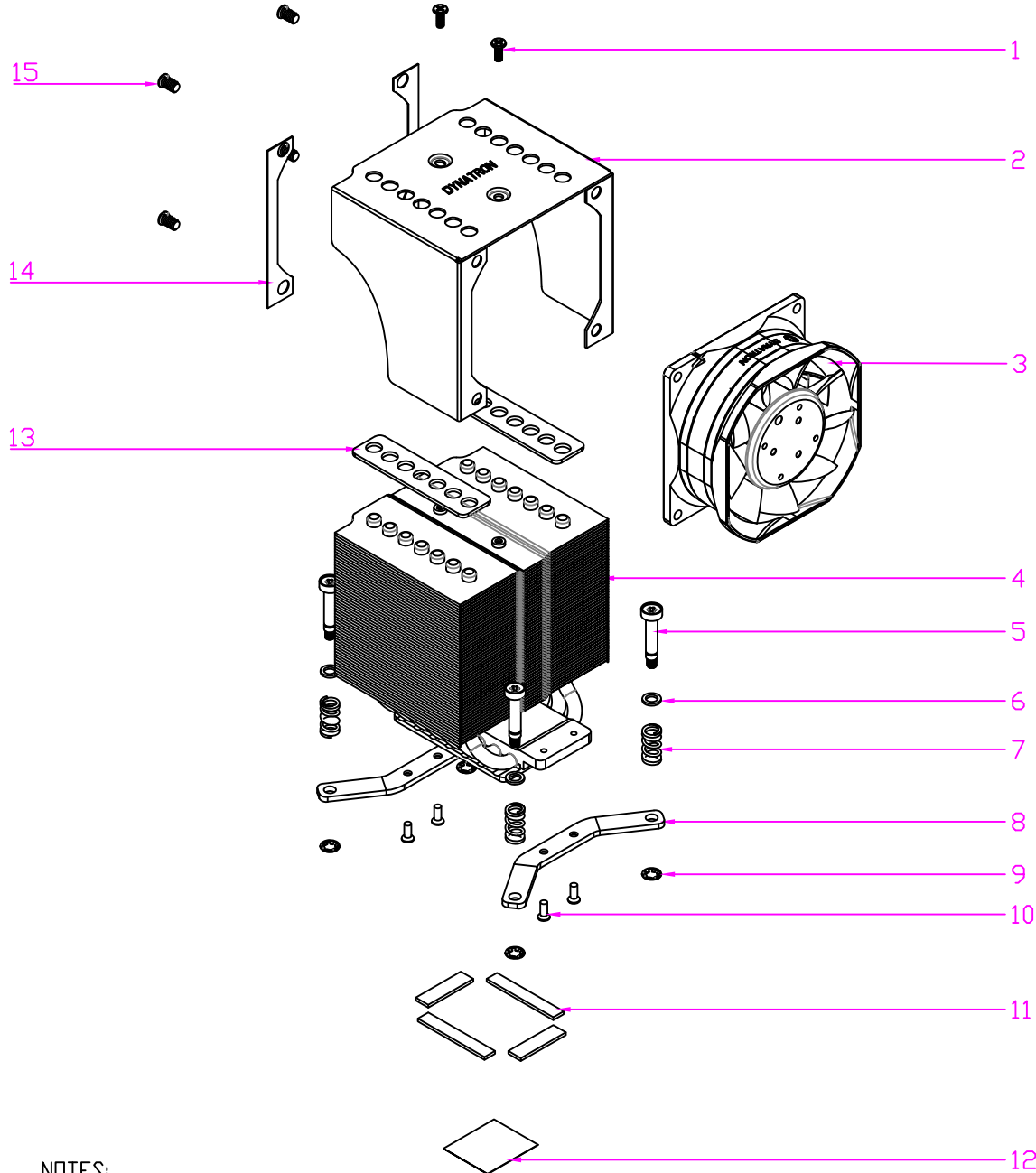
Thermal Resistance vs. Fan Speed

(Pending Real Sample Measurement)

CONFIDENTIAL DOCUMENT

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO DYNATRON CORPORATION AND DYNAEON INDUSTRIAL CO., LTD.
ANY REPRODUCTION, DISCLOSURE, OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT AS DYNATRON
CORPORATION AND DYNAEON INDUSTRIAL CO., LTD. MAY OTHERWISE AGREE TO IN WRITING.

REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	MichaelF	11/11/24

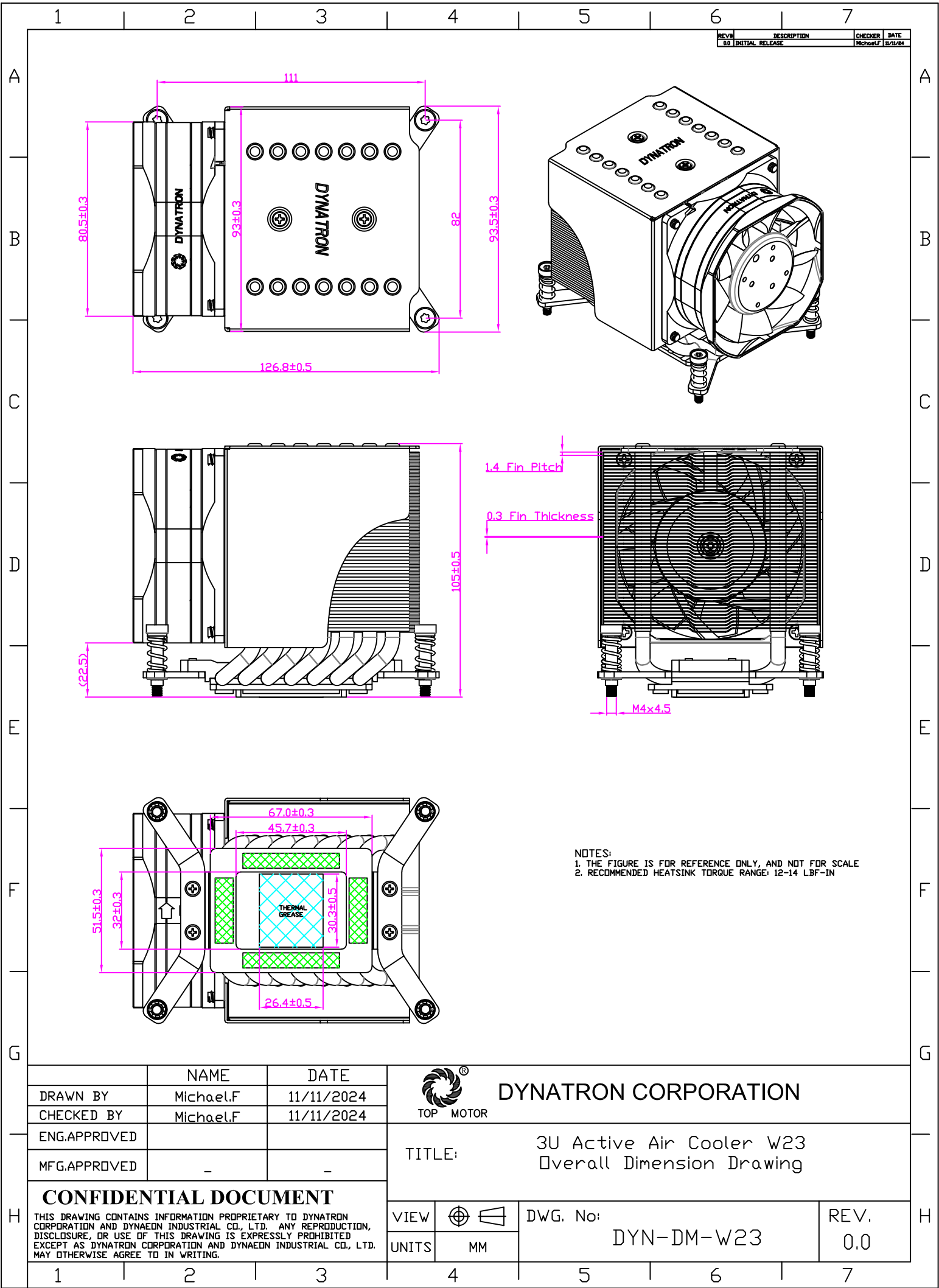


15	FAN SCREW	STEEL	4
14	FAN BRACKET GASKET PAD SET(TOP)	FOAM	1
13	FAN BRACKET GASKET PAD SET	FOAM	1
12	THERMAL GREASE	SHIN-ETSU X-23-8079-2 OR EQUIVALENT	N/A
11	THERMAL PAD SET	TFLEX HD7.5 OR EQUIVALENT	1
10	HEATSINK BRACKET SCREW	STEEL	4
9	HEATSINK SCREW CLIP	STEEL	4
8	HEATSINK BRACKET	SPCC	1
7	HEATSINK SPRING	SWC	4
6	WASHER	STEEL	4
5	HEATSINK SCREW	STEEL	4
4	HEATSINK	HEAT PIPES, AL6063 BASE, CU1100 BASE BLOCK, AL1100 FIN	1
3	FAN, DF128038BX-PWMG, 8000RPM	PLASTIC	1
2	FAN BRACKET	SPCC	1
1	FAN BRACKET MOUNTING SCREW	STEEL	2
ITEM #	DESCRIPTION	MATERIAL	QTY.

		DATE	NAME	 DYNATRON CORPORATION
DRAWN	11/11/24	MichaelF		
CHECKED	11/11/24	MichaelF		
ENG. APPR.				
MFG. APPR.				
QA				
COMMENTS:				
TITLE:				
3U Active Air Cooler W23				
BOM & Exploded Assembly Drawing				
DWG. No:				
DYN-EP-W23				
REV				
0.0				

NOTES:

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



Publication History:

11/11/2024: Initial Release

(Specifications are subject to change without notice)