

# A38

2U Active Air Cooler

**PRODUCT SPECIFICATIONS**

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## Model Number: A38

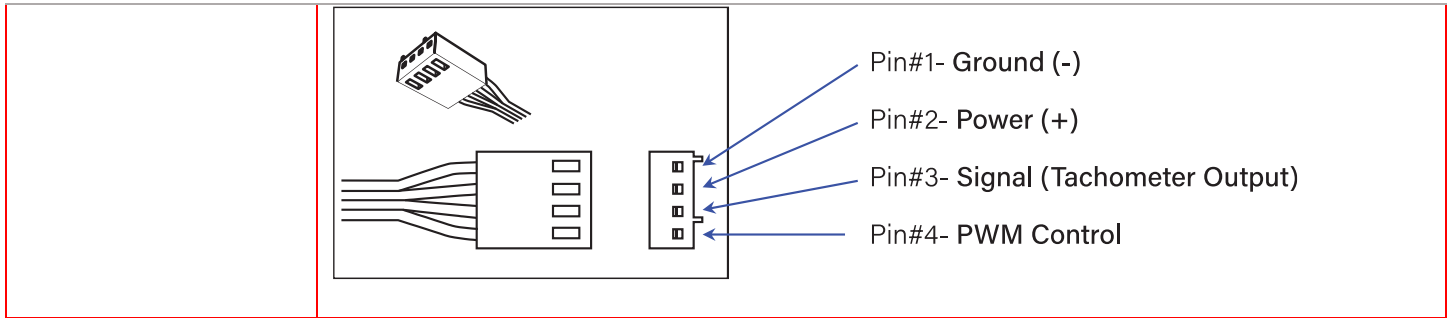
- AMD® Ryzen Threadripper Processor, Socket sWRX8, sTRX4, TR4, and AMD® Epyc Processor Socket SP3
- For 2U Server and up

## Overall Specification

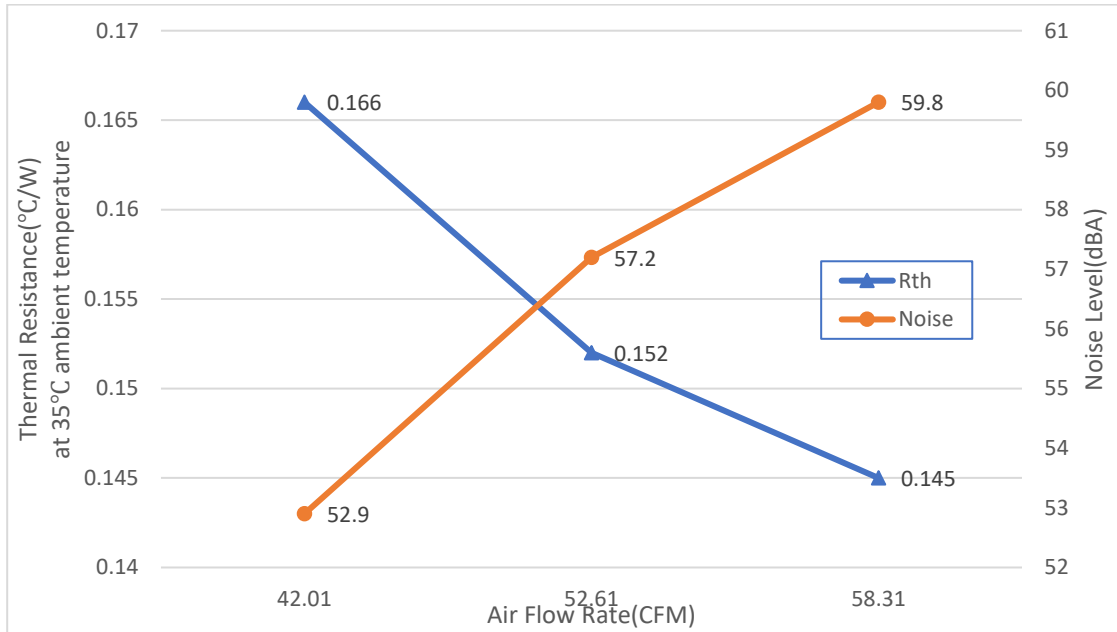
Dimension	119 x 79 x 65mm
Weight	450 g
Material	Aluminum Heatsink with Heatpipe Embedded
Fan	6025 Axial PWM Fan for Heat Exhausting
Mounting Method	Convenient Heat Sink Screw Captive Mounting
Thermal Grease	Shin-Etsu 7762 or Equivalent
TDP	Support CPU Power up to 280 Watts Heat Dissipation

## Fan Specification

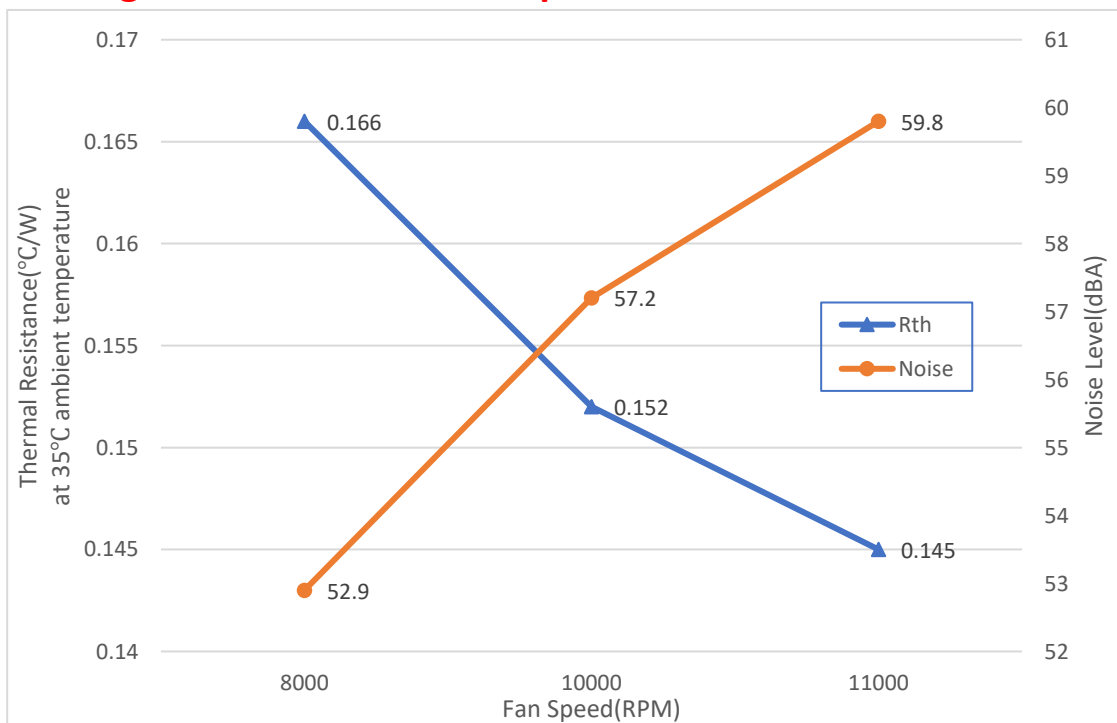
Model Number	DF126025BU - PWMH
Dimension	60 x 60 x 25 mm
Bearing	Double Ball
Rated Voltage	12V
Rated Speed	At Duty Cycle 0~20%: 2300 ± 10% RPM At Duty Cycle 50%: 5400 ± 10% RPM At Duty Cycle 100%: 11000 ±10% RPM
Input Power	At Duty Cycle 0~20%: 0.84 W At Duty Cycle 50%: 2.76 W At Duty Cycle 100%: 18.0 W
Maximum Airflow	At Duty Cycle 0~20%: 11.91 CFM At Duty Cycle 50%: 28.38 CFM At Duty Cycle 100%: 58.31 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 1.48 mm-H2O At Duty Cycle 50%: 7.54 mm-H2O At Duty Cycle 100%: 28.8 mm-H2O
Acoustical Noise	At Duty Cycle 0~20%: 25.8 dBA At Duty Cycle 50%: 44.4 dBA At Duty Cycle 100%: 59.8 dBA
Lead Wire Pin Out Diagram	

**A38** | SP3/TR4/sTRX4

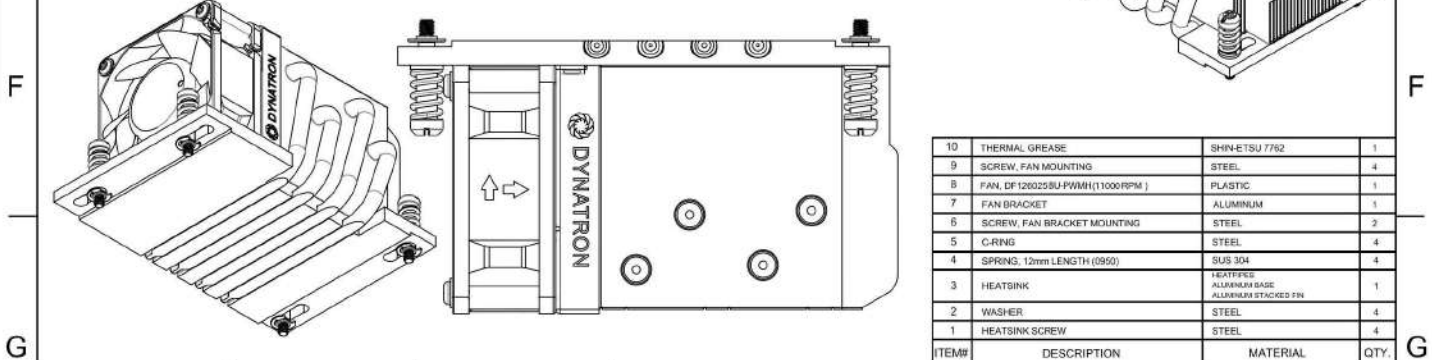
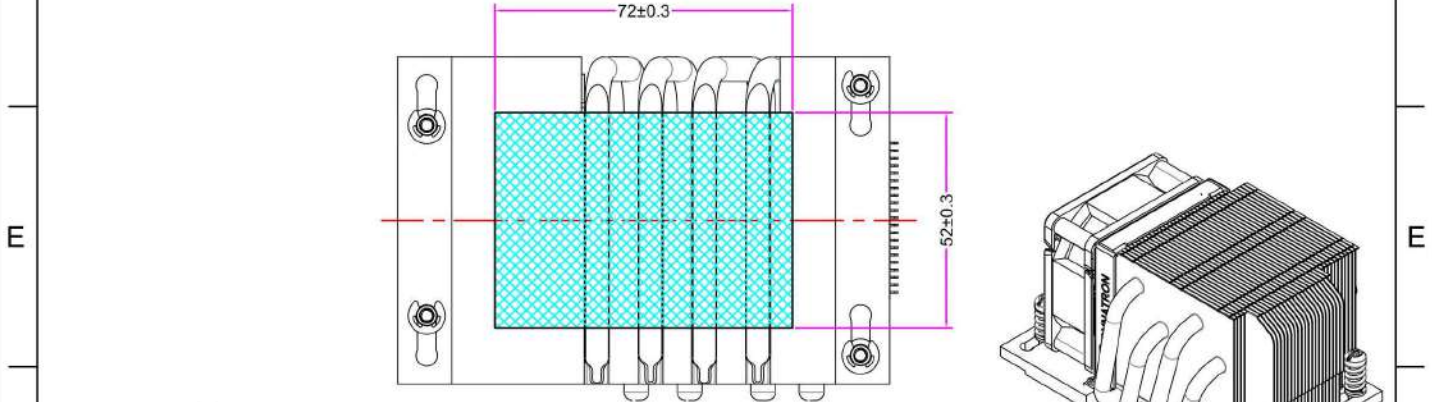
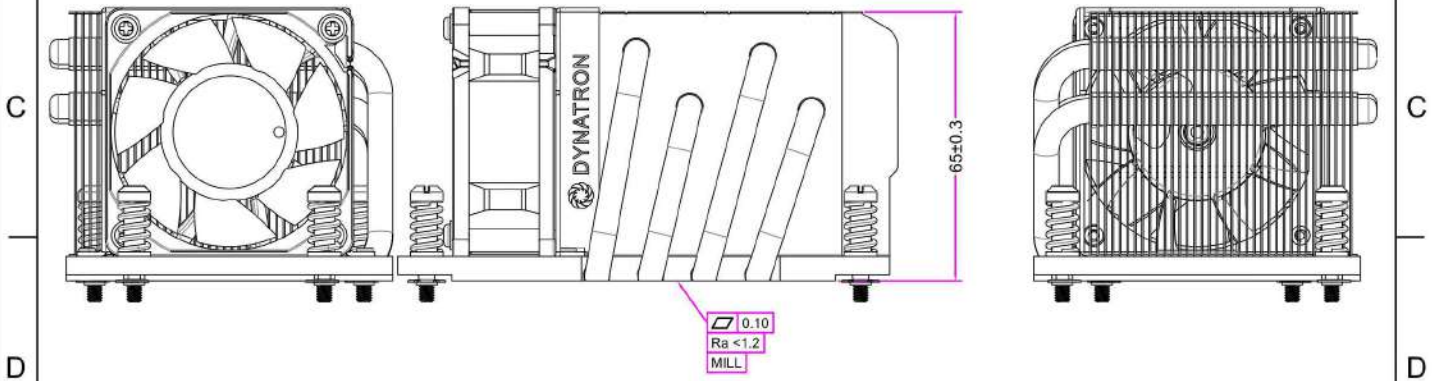
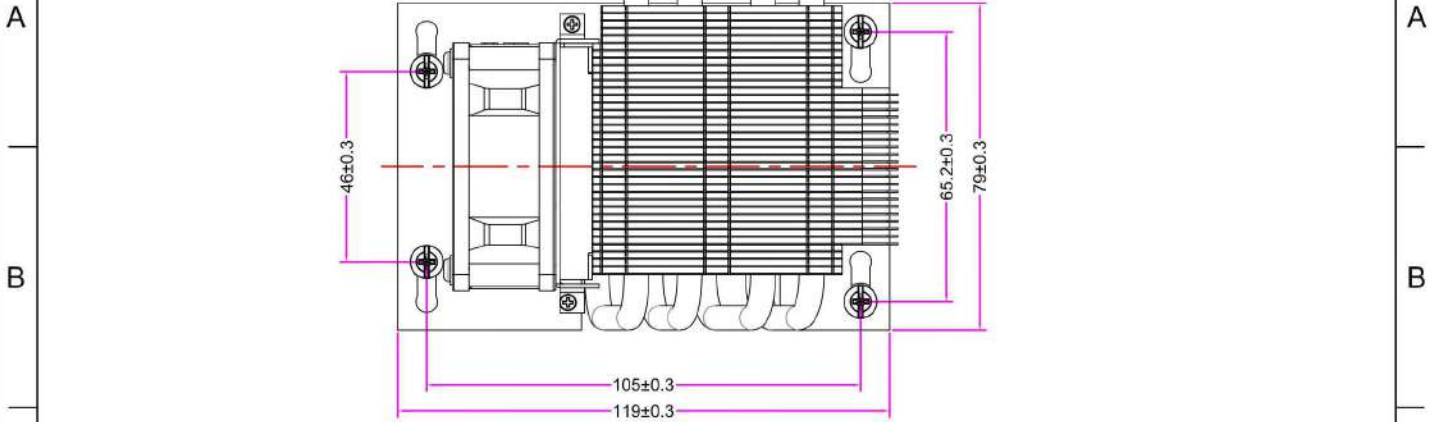
## A38 Thermal Performance Curve Cooling Performance vs. Airflow



## Cooling Performance vs. Fan Speed



REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	LANG	03/17/2021



ITEM#	DESCRIPTION	MATERIAL	QTY.
10	THERMAL GREASE	SHIN-ETSU 7762	1
9	SCREW, FAN MOUNTING	STEEL	4
8	FAN, DF120025BU-PWMH(11000RPM)	PLASTIC	1
7	FAN BRACKET	ALUMINUM	1
6	SCREW, FAN BRACKET MOUNTING	STEEL	2
5	C-RING	STEEL	4
4	SPRING, 12mm LENGTH (0950)	SUS 304	4
3	HEATSINK	HEATPIPE ALUMINUM BASE ALUMINUM STACKED FIN	1
2	WASHER	STEEL	4
1	HEATSINK SCREW	STEEL	4

	NAME	DATE
DRAWN BY	enr	03/17/2021
CHECKED BY	LANG	03/17/2021
ENG. APPROVED		
MFG. APPROVED	-	-



DYNATRON CORPORATION

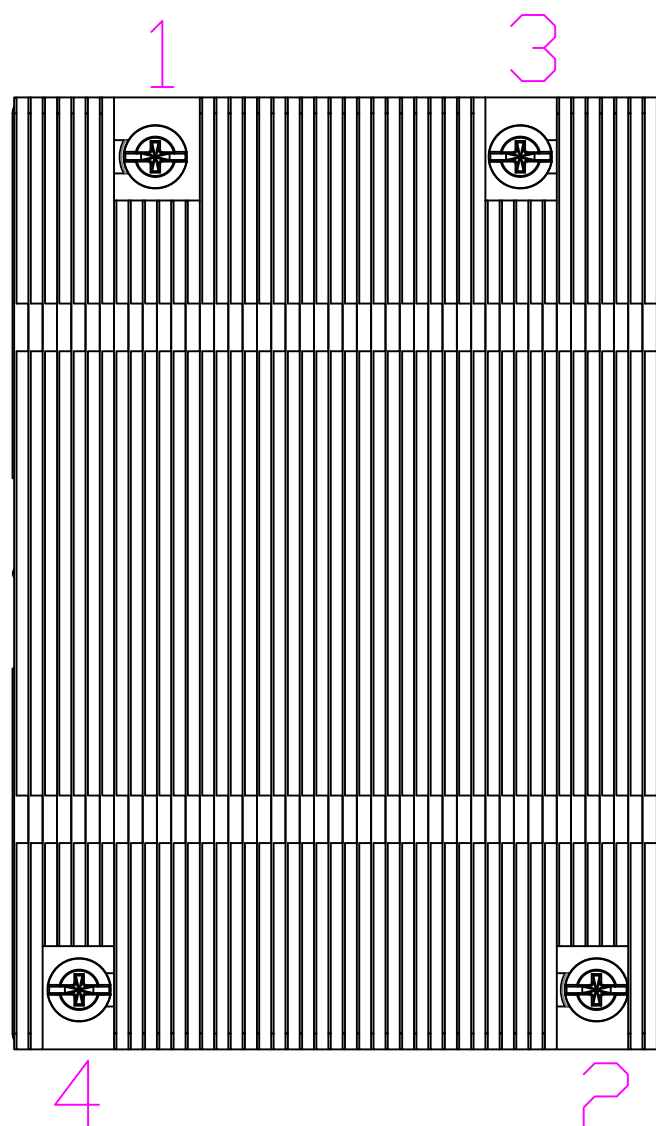
TOP MOTOR

TITLE: 2U Active Cooler **A38**  
BOM & Overall Dimension Drawing

**CONFIDENTIAL DOCUMENT**  
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VIEW	DWG. No:	REV.
UNITS	MM	0.0
	DYN-BD-A38	

# SOCKET SP3/TR4/sTRX4/sWRX8 COOLER INSTALLATION INSTRUCTION



HEATSINK ASSEMBLY  
ORDER 1,2,3,4

HEATSINK DISASSEMBLY  
ORDER 4,3,2,1

TORQUE = 6.1 KG -CM MAX

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