



C3

3U Active Air Cooler

PRODUCT SPECIFICATIONS

Specification Version: 10/09/2023

(Specifications are subject to change without notice)

C3| Socket LGA7529

Model Number: C3

- Recommend for Intel® CPU as following
 - Intel® Granite Rapid AP (Socket LGA 7529)
- Active Air Cooler for 3U Server and Up

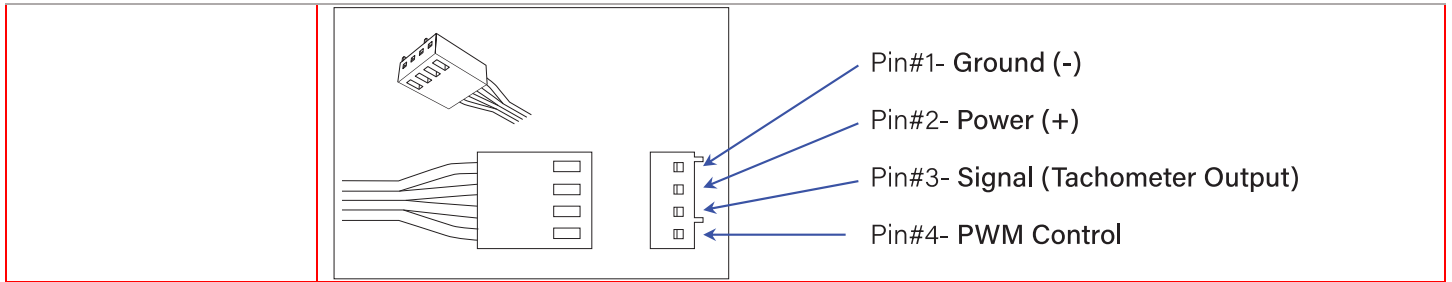
Overall Specification

Dimension	140 x 97.8 x 107 mm
Weight	630 g
Fan	8038 Side-blow Fan with PWM function
Material	Aluminum Stacked-fin with Heat Pipes directly contact CPU
Mounting	Convenient Heat Sink screw captive mounting
Package Carrier	LGA 7529 Package carrier included
Thermal Grease	Shin-Etsu X23-8079-2 Pre-Printed
TDP	570W@40°C ambient

Cooling Fan Specification

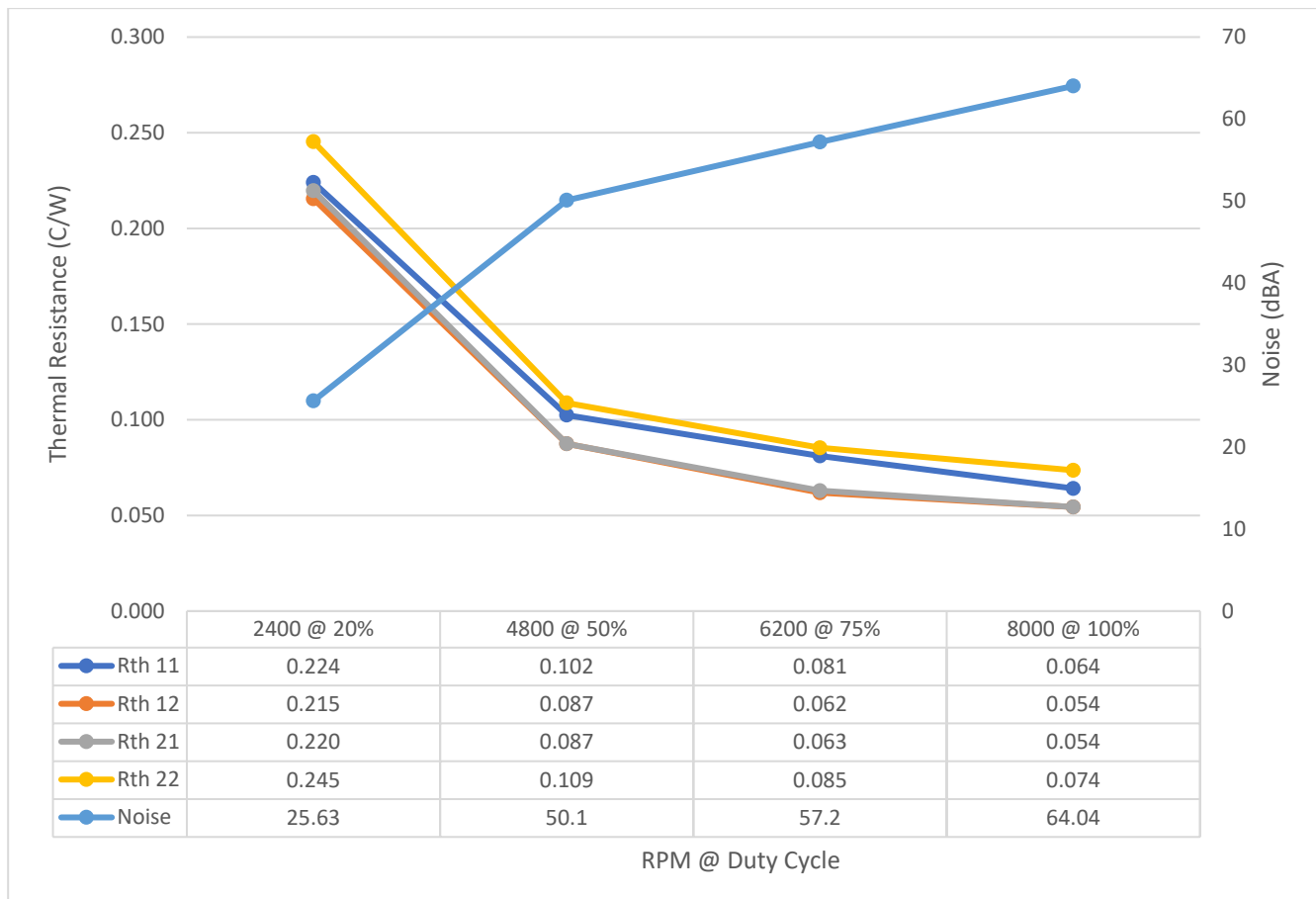
Model Number	DF128038BX-PWM
Dimension	80 x 80 x 38mm
Bearing	Double Ball
Rated Voltage	12V
Rated Speed	At Duty Cycle 0~20%: 2400± 200 RPM At Duty Cycle 50%: 4800± 10% RPM At Duty Cycle 100%: 8000±10% RPM
Input Power	At Duty Cycle 0~20%: 1.2 W At Duty Cycle 50%: 5.52 W At Duty Cycle 100%: 24.72 W
Maximum 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-H2O At Duty Cycle 50%: 13.6 mm-H2O At Duty Cycle 100%: 38.3 mm-H2O
Acoustical Noise	At Duty Cycle 0~20%: 25.63 dBA At Duty Cycle 50%: 47.85 dBA At Duty Cycle 100%: 64.4 dBA
Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Yellow(+) Pin#3- Green(Tachometer/ Signal Output) Pin#4- Blue (PWM)

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Performance Chart: Active Cooler C3 Thermal Resistance

Active Cooler C3 Cooling Performance vs. RPM @ Duty Cycle



Publication History:

10/09/2023: Initial Release.

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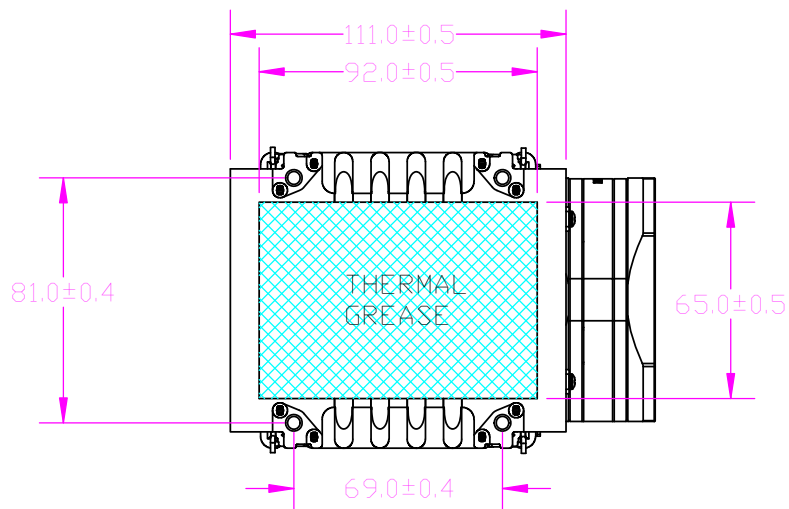
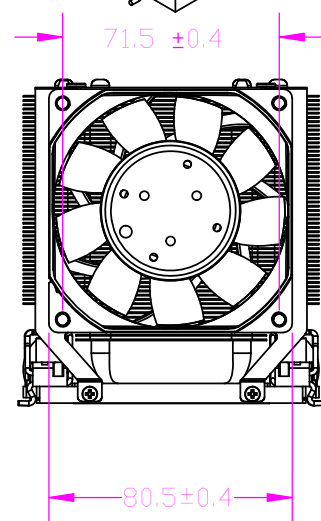
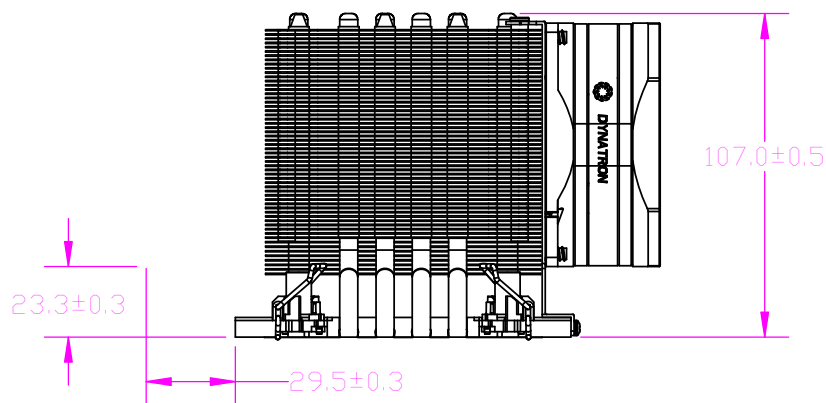
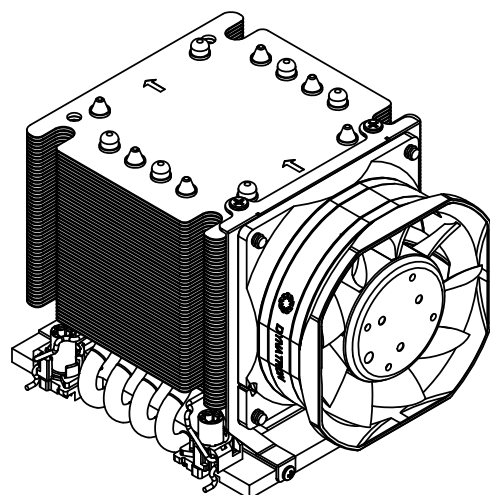
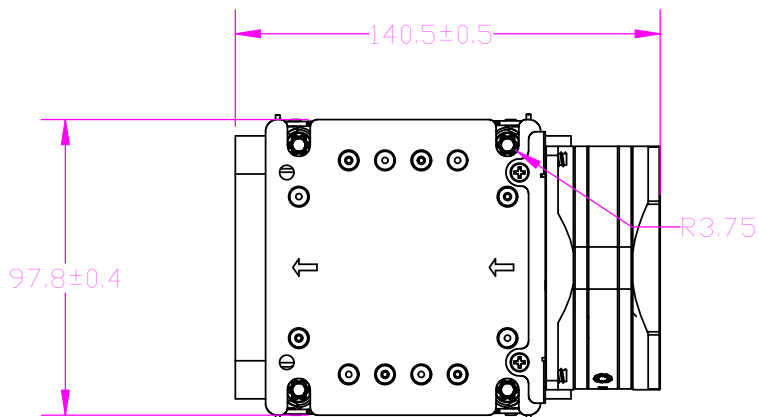
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REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	JUN	10/05/23



	NAME	DATE
DRAWN BY	JUN	10/5/2023
CHECKED BY	JUN	10/5/2023
ENG.APPROVED		
MFG.APPROVED		



DYNATRON CORPORATION

TOP MOTOR

TITLE:

3U AIR COOLER C3-P
OVERALL DIMENSION DRAWING**CONFIDENTIAL DOCUMENT**

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