



L45

2U Liquid Cooler

PRODUCT SPECIFICATIONS

Specification Version: 03/04/2024

(Specifications are subject to change without notice)

Model Number: L45

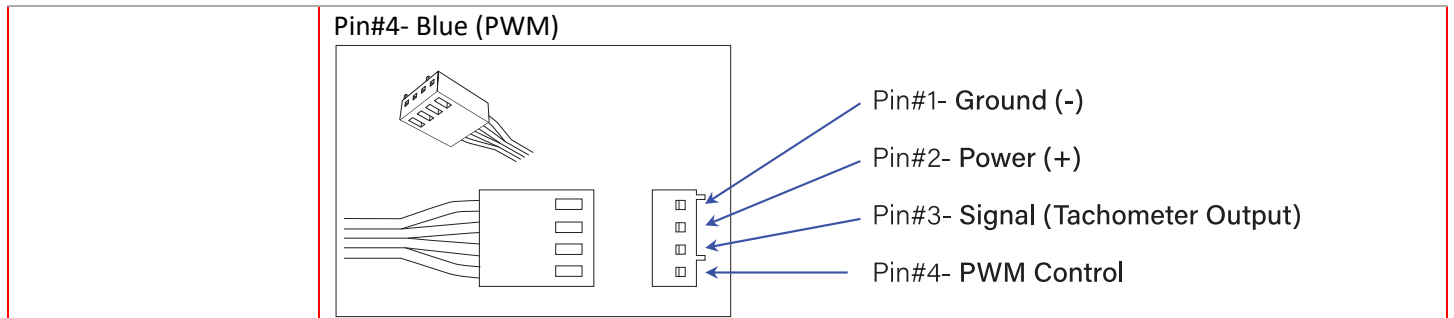
- Recommend for Intel® CPU as following
 - Intel® Granite Rapid SP Processors, Socket LGA4710
- Liquid Cooler for 2U Server and Up

Overall Specification

- Coldplate Module with Copper Base
- Space saver light weight radiator
- 8cm Cooling Fans with 4-Pin PWM Connector
- Stand-alone Water Pump with Powerful Flow Rate 2.9 Liter Per Minute
- 30cm Black Pair EPDM Tube Assembled
- Mounting Accessories are included
- Shin-Etsu X23-8079-2 Thermal Compound Pre-Printed on Base
- Support CPU up to 600 Watts@40°C ambient Heat Dissipation
- **Each fan should have its own fan header due to high current consumption at full speed**

Cooling Fan Specification

Model Number	DF128038BX-PWMG
Dimension	80 x 80 x 38mm
Bearing	Dual Ball
Rated Voltage	12V
Rated Speed	At Duty Cycle 0~20%: 2400± 10% 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%: 35.52 CFM At Duty Cycle 50%: 67.24 CFM At Duty Cycle 100%: 115.61 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 1.39 mm-H2O At Duty Cycle 50%: 5.97 mm-H2O At Duty Cycle 100%: 34.06 mm-H2O
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)



Performance Chart: Liquid Cooler L45 Thermal Resistance

Thermal Resistance vs. Fan Speed (Duty Cycle and RPM)

TBD

Publication History:

03/04/2024: Initial Release.

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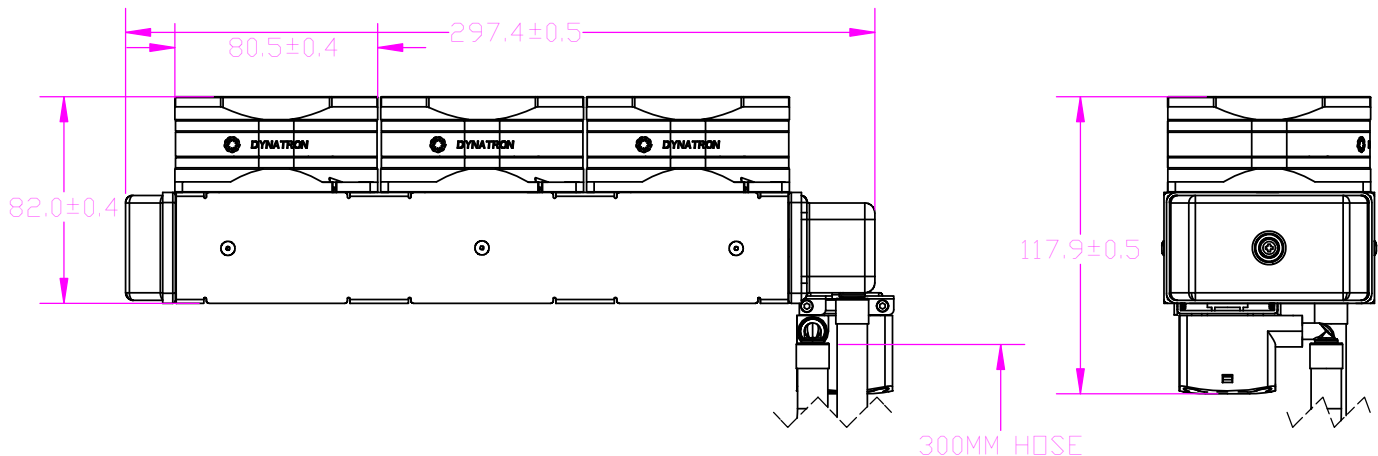
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REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	JUN	03/01/24

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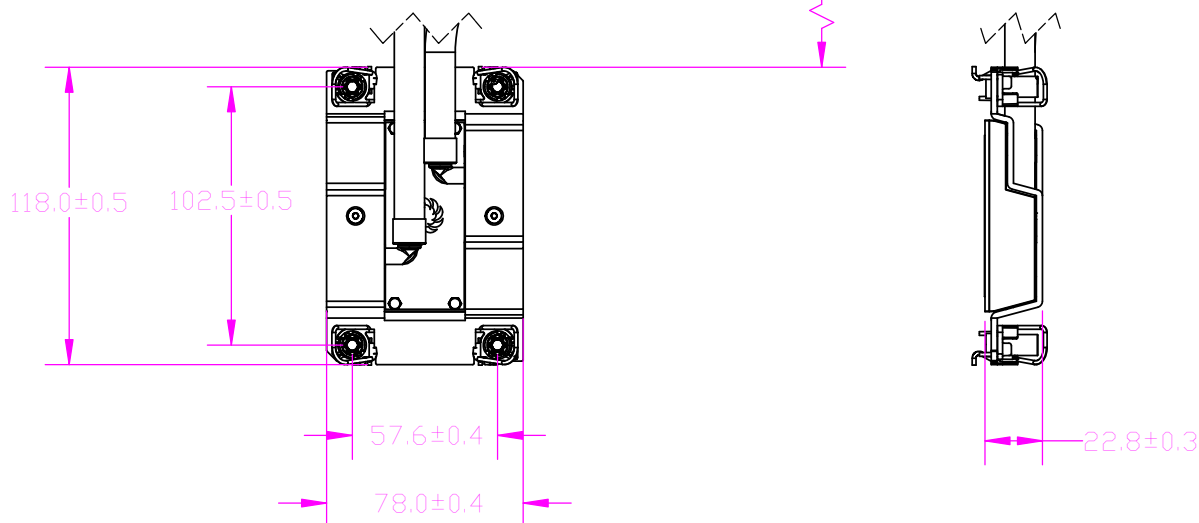


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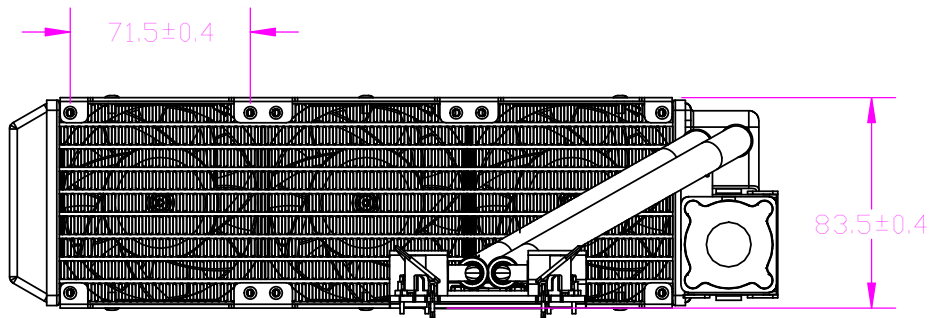
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	NAME	DATE
DRAWN BY	JUN	3/4/2024
CHECKED BY	JUN	3/4/2024
ENG. APPROVED		
MFG. APPROVED		

 **DYNATRON CORPORATION**
 TOP MOTOR
 TITLE:
 2U LIQUID COOLER L45
 OVERALL DIMENSION DRAWING

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VIEW		DWG. No:	REV.
UNITS	MM	DYN-BD-L45	0.0

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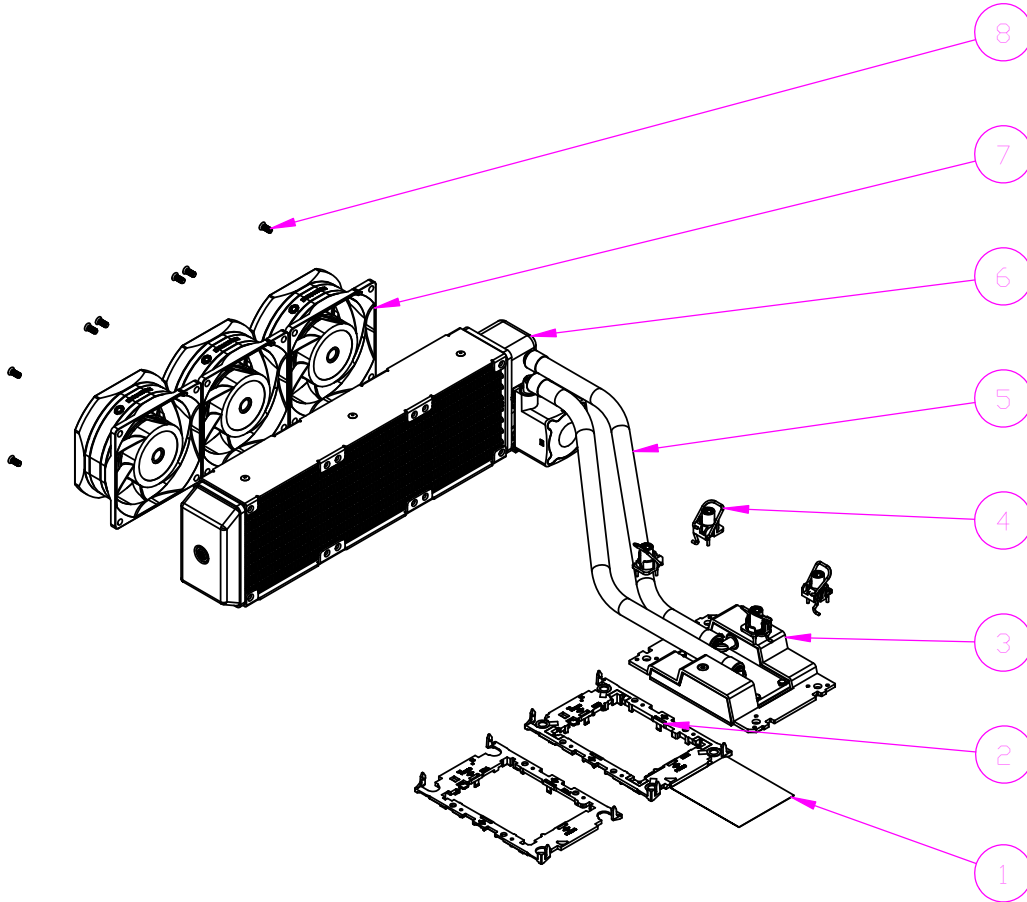
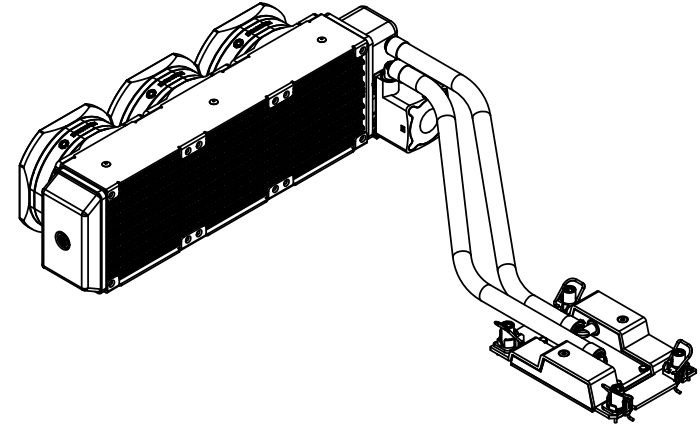
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ITEM #	DESCRIPTION	MATERIAL	QTY.
8	SCREW, FAN	STEEL	12
7	FAN, DF128038BX-PWMG	PLASTIC	3
6	RADIATOR	ALUMINUM ALLOY	1
5	HOSE, 300MM	EPDM	2
4	ANTI-TILT RETENTION KIT	PLASTIC NUT, STEEL WIRE	4
3	WATER BLOCK	CU COLDPLATE, PLASTIC LTD	1
2	LGA4710 PACKAGE CARRIER (E2A + E2B)	PLASTIC	2
1	THERMAL GREASE	SHIN-ETSU X23-8079-2	N/A

	DATE	NAME	 DYNATRON CORPORATION <small>TOP MOTOR</small>
DRAWN	3/4/2024	JUN	
CHECKED	3/4/2024	JUN	
ENG.APPR.			
MFG.APPR.			TITLE: 2U LIQUID COOLER L45 BOM & exploded Assembly Drawing
COMMENTS:			DWG. NO. DNY-EP-L45
			REV 0.0

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

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