



# L37

1U Liquid Cooler

**PRODUCT SPECIFICATIONS**

Specification Version: 02/21/2024

*(Specifications are subject to change without notice)*

## Model Number: L37

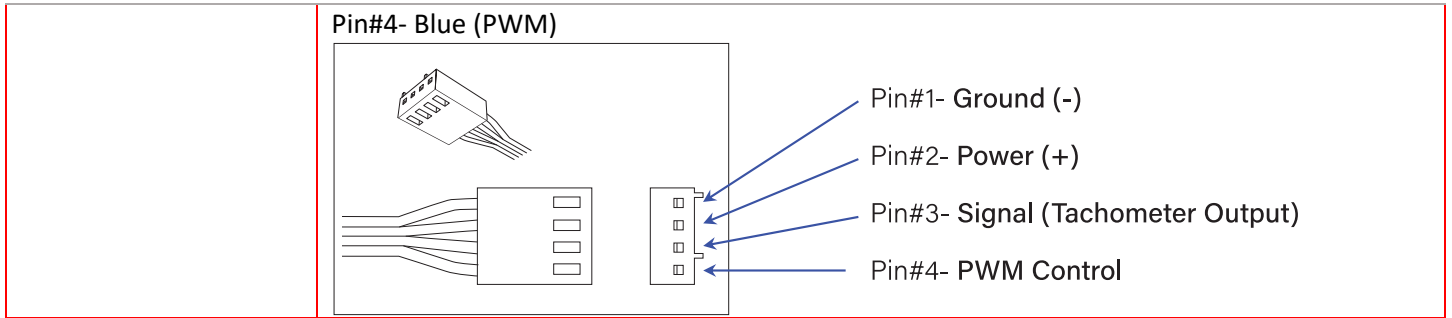
- Recommend for Intel® CPU as following
  - Intel® Granite Rapid SP Processors, Socket LGA7529
- Liquid Cooler for 1U Server and Up

## Overall Specification

- Coldplate Module with Copper Base
- Space saver light weight radiator
- 4cm 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 Series Thermal Compound Pre-Printed on Base
- Support CPU power up to 500W
- **Each fan should have its own fan header due to high current consumption at full speed**

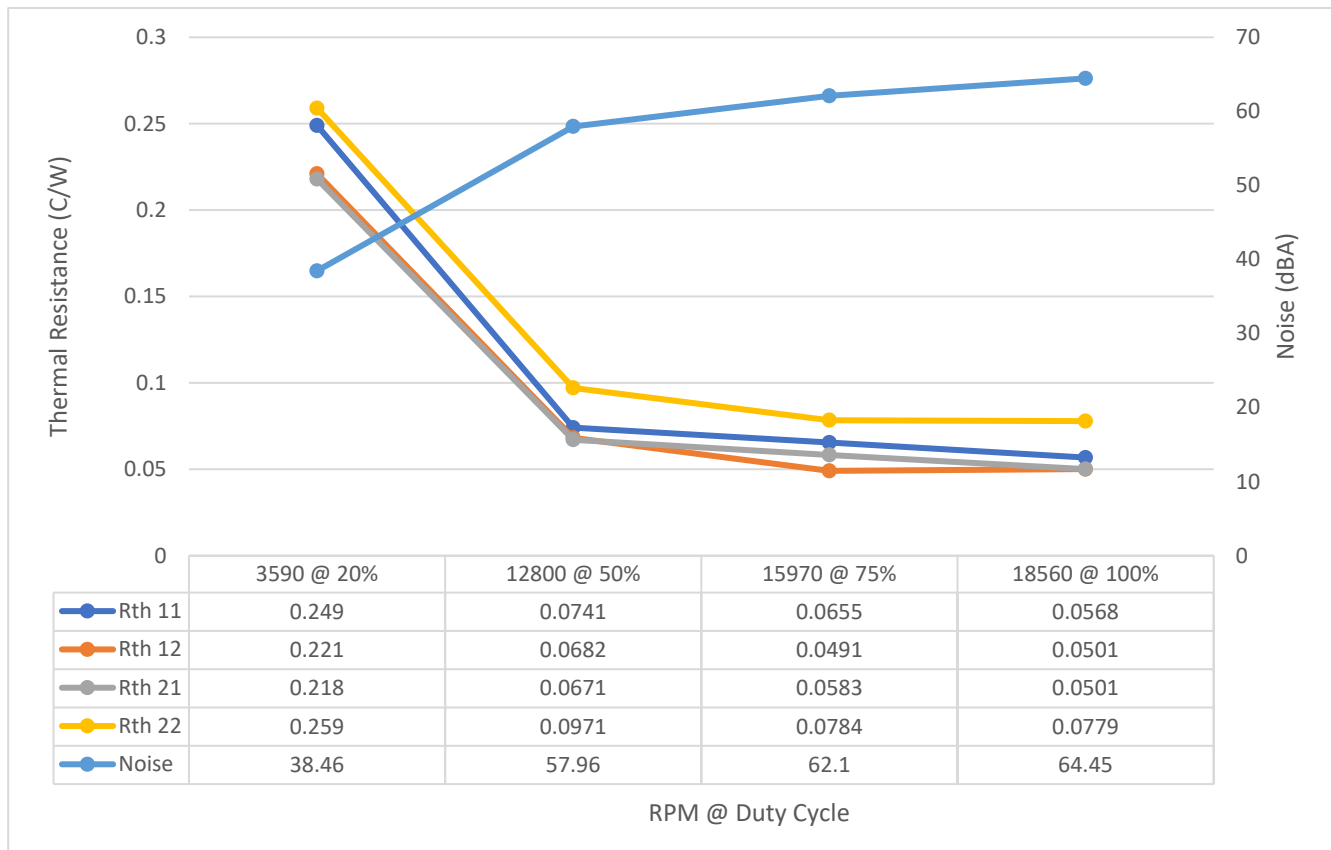
## Cooling Fan Specification

Model Number	DF124028BU-PWMG
Dimension	40 x 40 x 28mm
Bearing	Dual Ball
Rated Voltage	12V
Rated Speed	At Duty Cycle 0~20%: 2000± 10% RPM At Duty Cycle 50%: 10000± 10% RPM At Duty Cycle 100%: 18000±10% RPM
Input Power	At Duty Cycle 0~20%: 2.4 W At Duty Cycle 50%: 7.2 W At Duty Cycle 100%: 15.6 W
Maximum Airflow	At Duty Cycle 0~20%: 2.944 CFM At Duty Cycle 50%: 14.72 CFM At Duty Cycle 100%: 26.5 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 0.61 mm-H2O At Duty Cycle 50%: 15.12 mm-H2O At Duty Cycle 100%: 49.0 mm-H2O
Acoustical Noise	At Duty Cycle 0~20%: 16.00 dBA At Duty Cycle 50%: 44.24 dBA At Duty Cycle 100%: 57.00 dBA
Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Yellow(+) Pin#3- Green(Tachometer/ Signal Output)



## Performance Chart: Liquid Cooler L37 Thermal Resistance

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



## Publication History:

08/08/2023: Initial Release.

*(Specifications are subject to change without notice)*

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REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	JUN	08/08/23
0.1	COLD PLATE HEIGHT CHANGE	JUN	02/21/24

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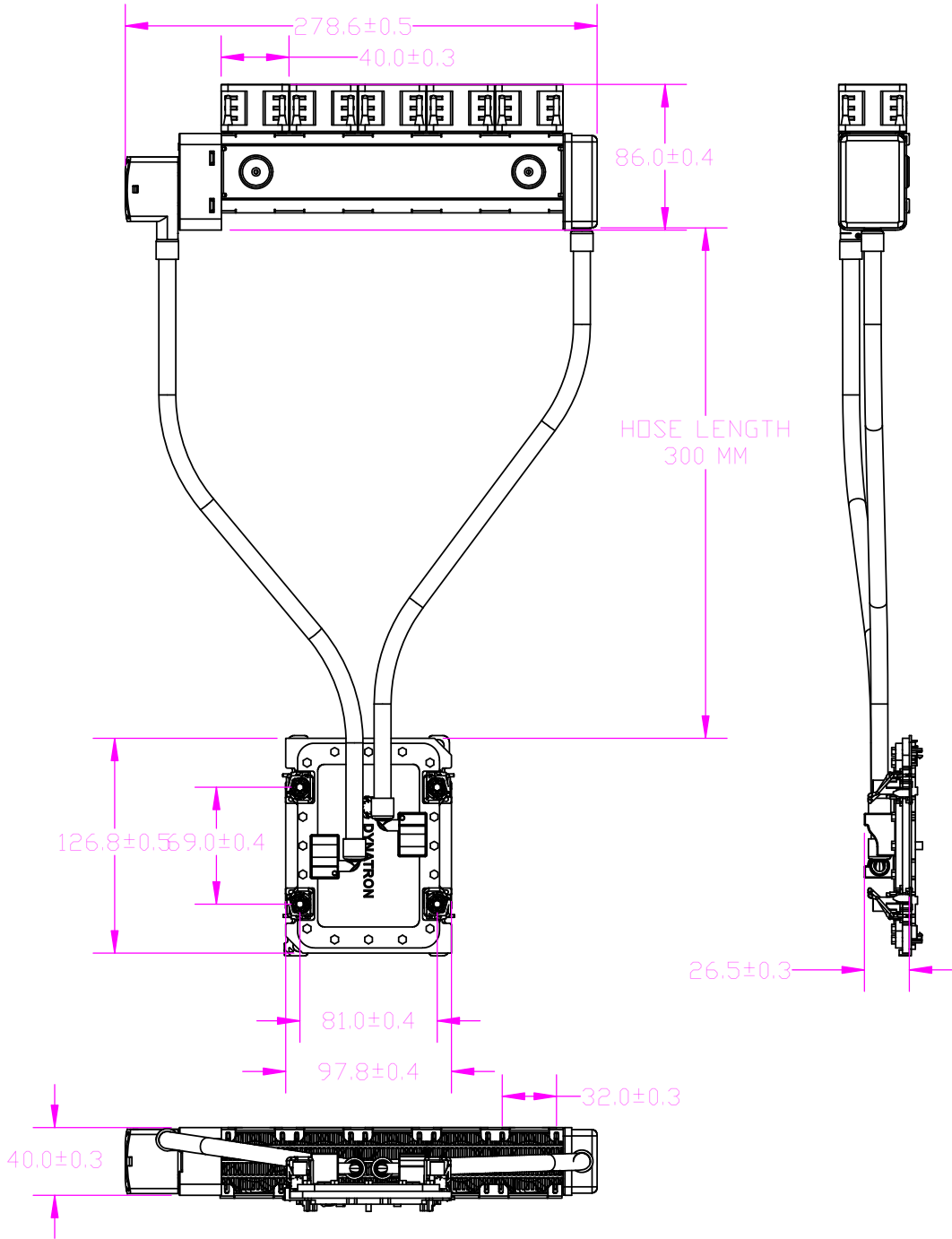
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	NAME	DATE
DRAWN BY	JUN	2/21/2024
CHECKED BY	JUN	2/21/2024
ENG. APPROVED		
MFG. APPROVED		



DYNATRON CORPORATION

TITLE:

1U LIQUID COOLER L37  
OVERALL DIMENSION DRAWING

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VIEW		DWG. No:	REV.
UNITS	MM	DYN-BD-L37	0.1

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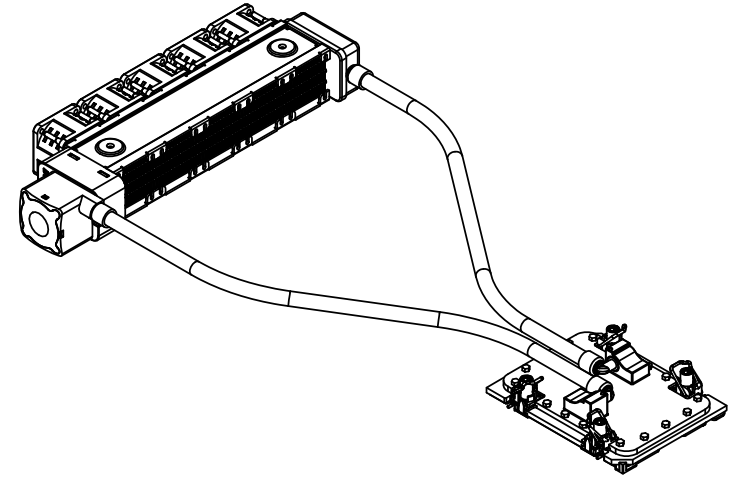
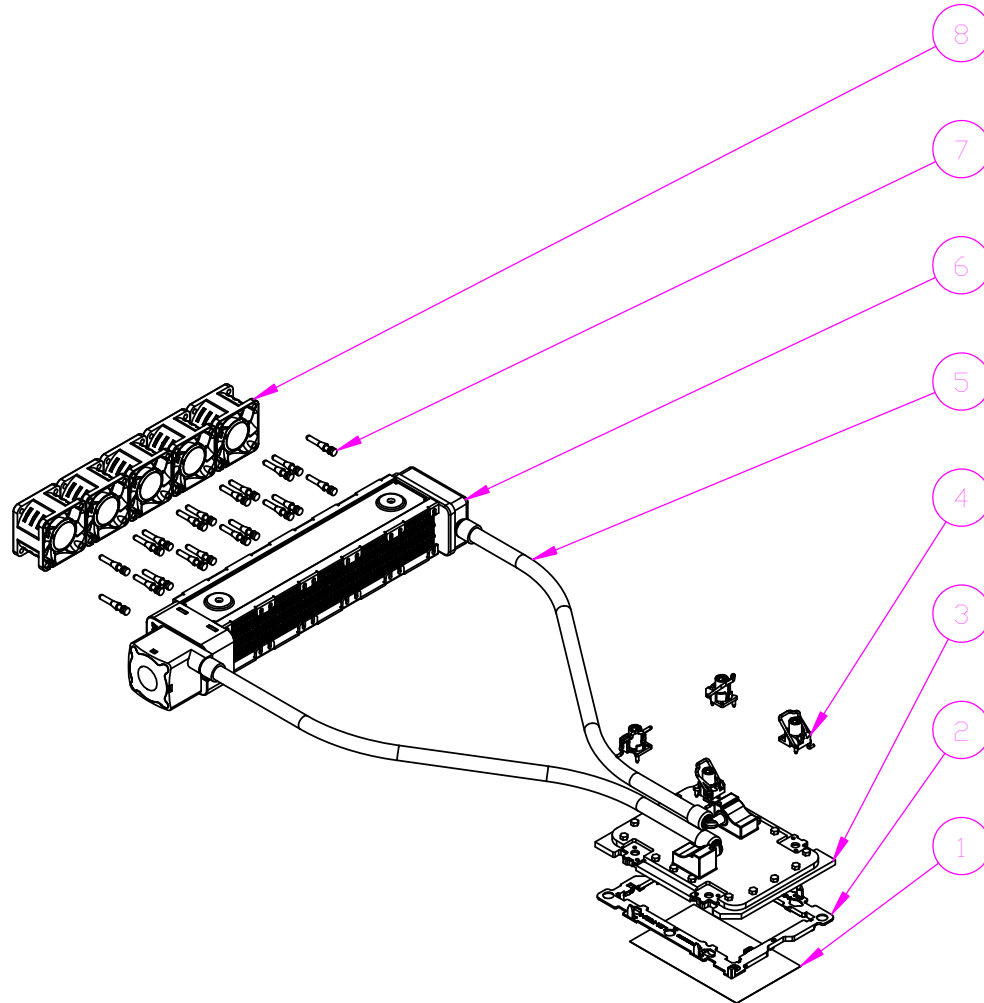
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REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	JUN	08/08/23

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8	FAN, DF124028BU-PWMG 18000RPM	PASTIC	5
7	GROMMET	RUBBER	20
6	RADIATOR	ALUMINUM	1
5	HOSE (300 MM)	EPDM	2
4	ANTI-TILT RETENTION KIT	STEEL WIRE, PLASTIC NUT	4
3	WATERBLOCK	COPPER COLDPLATE, PLASTIC LID	1
2	LGA7529 PACKAGE CARRIER	PLASTIC	1
1	THERMAL GREASE	SHIN-ETSU 7762	1
ITEM #	DESCRIPTION	MATERIAL	QTY.

	DATE	NAME	 <b>DYNATRON CORPORATION</b> <small>TOP MOTOR</small>
DRAWN	12/11/2023	JUN	
CHECKED	12/11/2023	JUN	<b>TITLE:</b> 1U LIQUID COOLER L37 BOM & exploded Assembly Drawing
ENG.APPR.			
MFG.APPR.			
COMMENTS:			<b>DWG. NO.</b> DNY-EP-L37
			<b>REV</b> 0.0

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

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