DYNATRON

L25-1

1U Liquid Cooler

PRODUCT SPECIFICATIONS

Model Number: L25-1

- Recommend for CPU as following
  - Intel® Socket FCLGA 1150, 1151, 1155, 1156;
  - Intel® Processor, Socket LGA1700
  - Intel® Socket FCLGA 2011, 2066;
  - AMD® Socket AM2/AM3/AM4/AM5/FM1/FM2;
- Liquid Cooler for 1U Server & Up

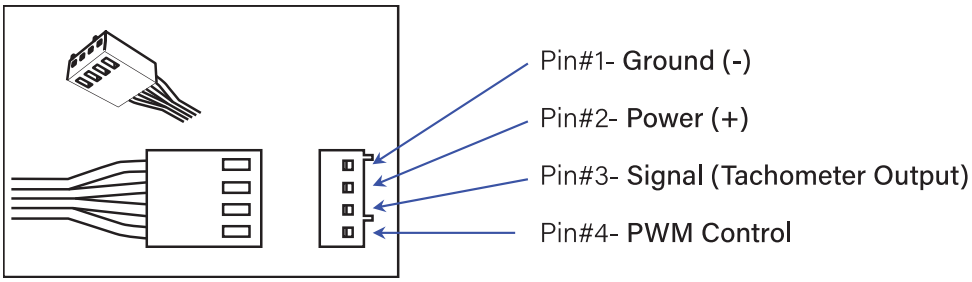
Overall Specification

- Cold Plate 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 240 Watts(Intel) and up to 170 Watts(AMD) Heat Dissipation

Cooling Fan Specification

Model Number	DF124028BM-PWMG
Dimension	40 x 40 x 28 mm
Bearing	Dual Ball
Rated Voltage	12V
Rated Speed	At Duty Cycle 0~20%: 3300±200 RPM At Duty Cycle 50%: 5700±10% RPM At Duty Cycle 100%: 12000±10% RPM
Rated Input Power	At Duty Cycle 0~20%: 0.72 W At Duty Cycle 50%: 1.56 W At Duty Cycle 100%: 8.4 W
Rated Airflow	At Duty Cycle 0~20%: 5.92 CFM At Duty Cycle 50%: 10.23 CFM At Duty Cycle 100%: 21.53 CFM
Rated Static Pressure	At Duty Cycle 0~20%: 1.73 mm-H2O At Duty Cycle 50%: 5.17 mm-H2O At Duty Cycle 100%: 22.91 mm-H2O
Acoustical Noise	At Duty Cycle 0~20%: 25.9 dBA At Duty Cycle 50%: 37.8 dBA At Duty Cycle 100%: 54.0 dBA

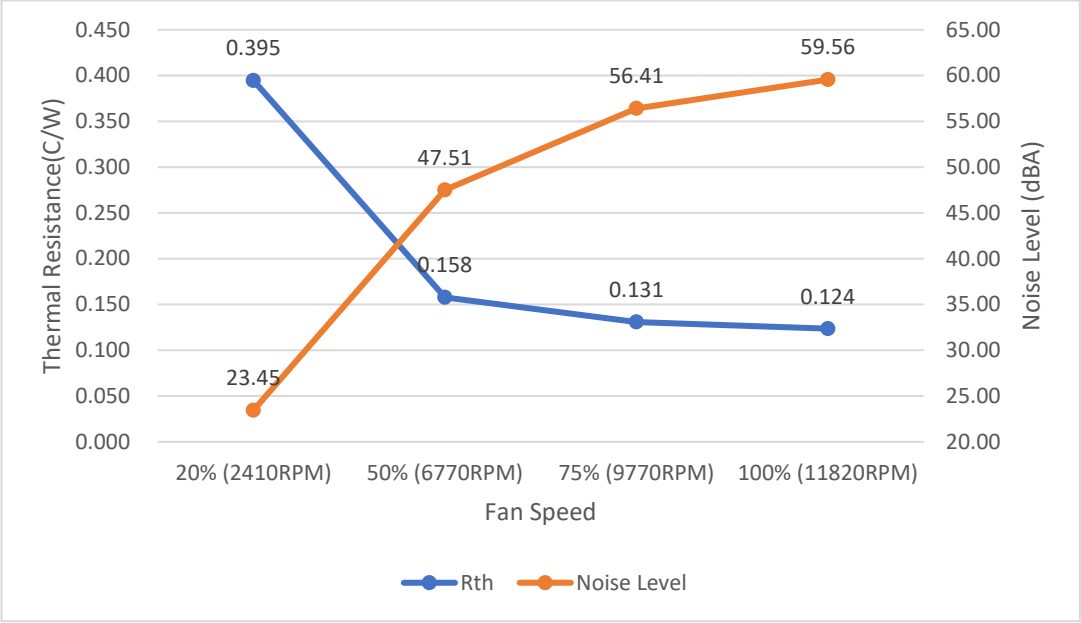
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Lead Wire Pin Out	Pin#1- Black(-) Pin#2- Yellow(+) Pin#3- Green(Tachometer/ Signal Output) Pin#4- Blue (PWM) Lead Wire Pin Out Diagram : 

Performance Chart: Active Cooler L25-1 Thermal Resistance

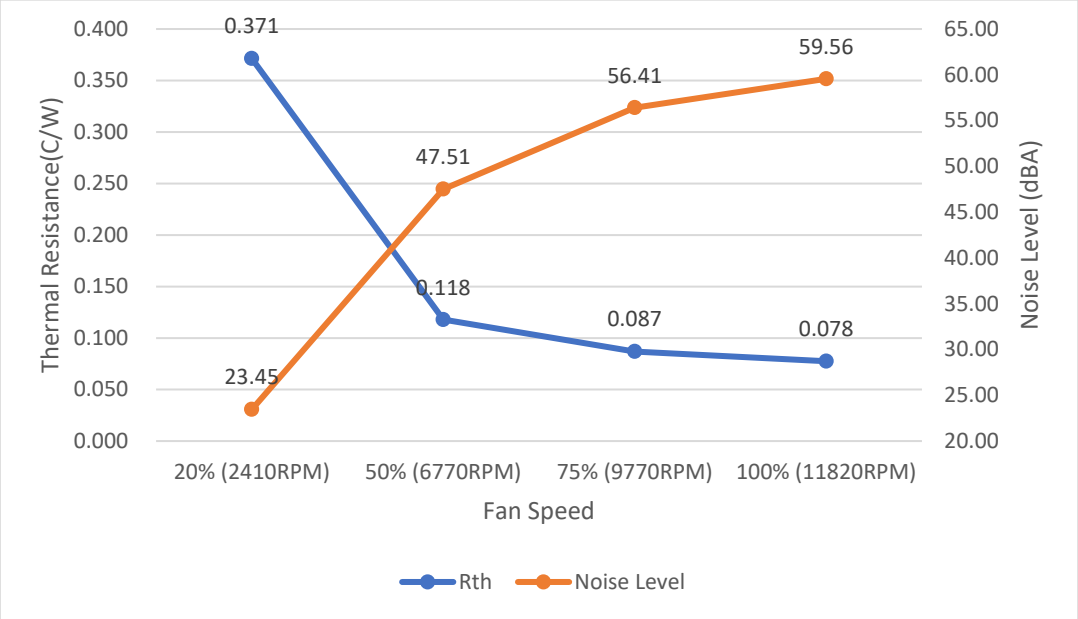
Thermal Resistance vs. Fan Speed (Duty Cycle and RPM)

LGA 1700



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Socket AM5:

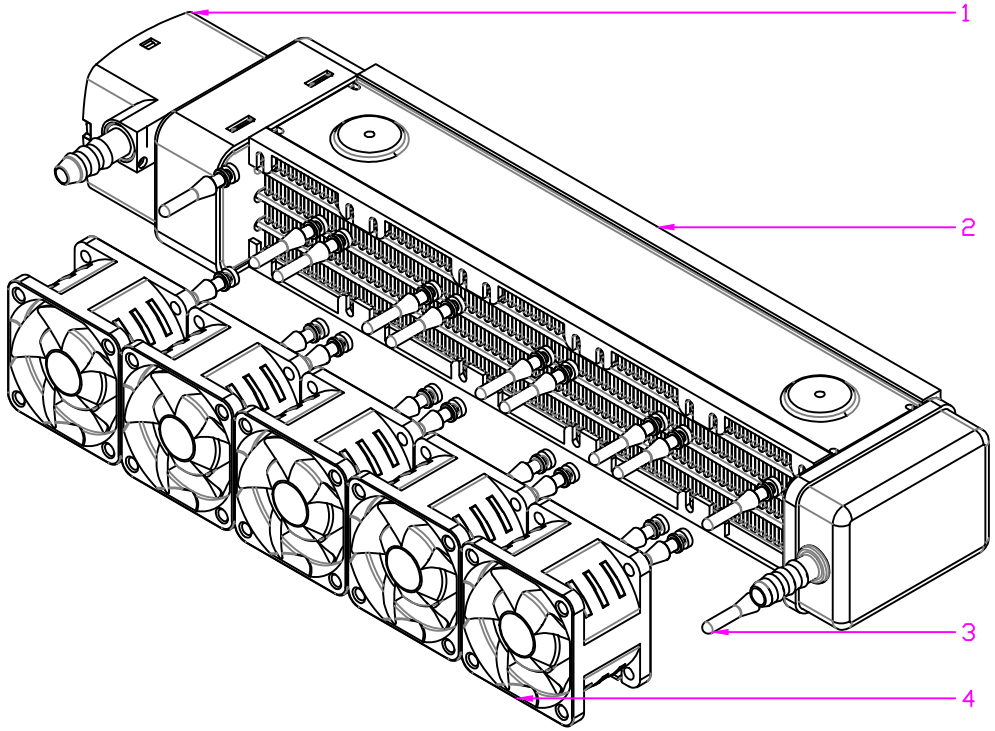


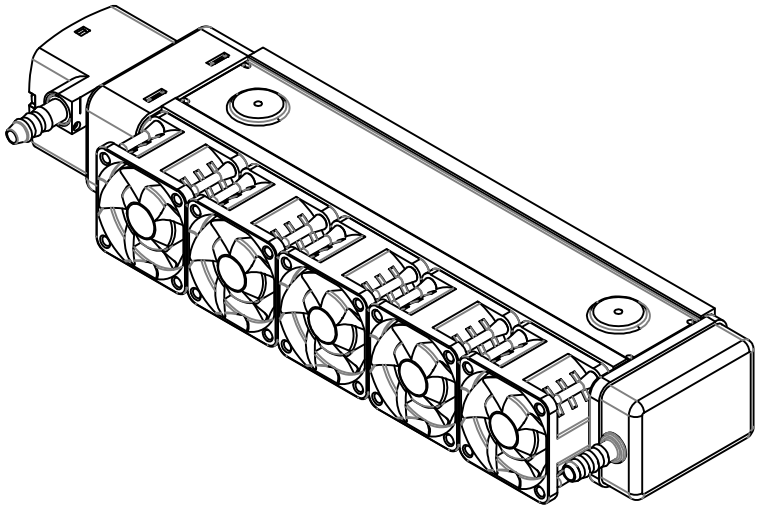
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REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	JDYZ	07/13/21





ITEM #	DESCRIPTION	MATERIAL	QTY.
4	FAN, DF124028BM-PWMG, 12000RPM	PLASTIC	5
3	GROMMET	RUBBER	20
2	RADIATOR	ALUMINUM ALLOY	1
1	PUMP	PLASTIC	1

	DATE	NAME
DRAWN	07/13/21	engr.
CHECKED	07/13/21	engr.
ENG. APPR.		
MFG. APPR.		
Q.A.		
COMMENTS:		

TOP MOTOR DYNATRON CORPORATION

TITLE: 1U Liquid Cooler L25-1 Radiator BOM & Exploded Assembly Drawing

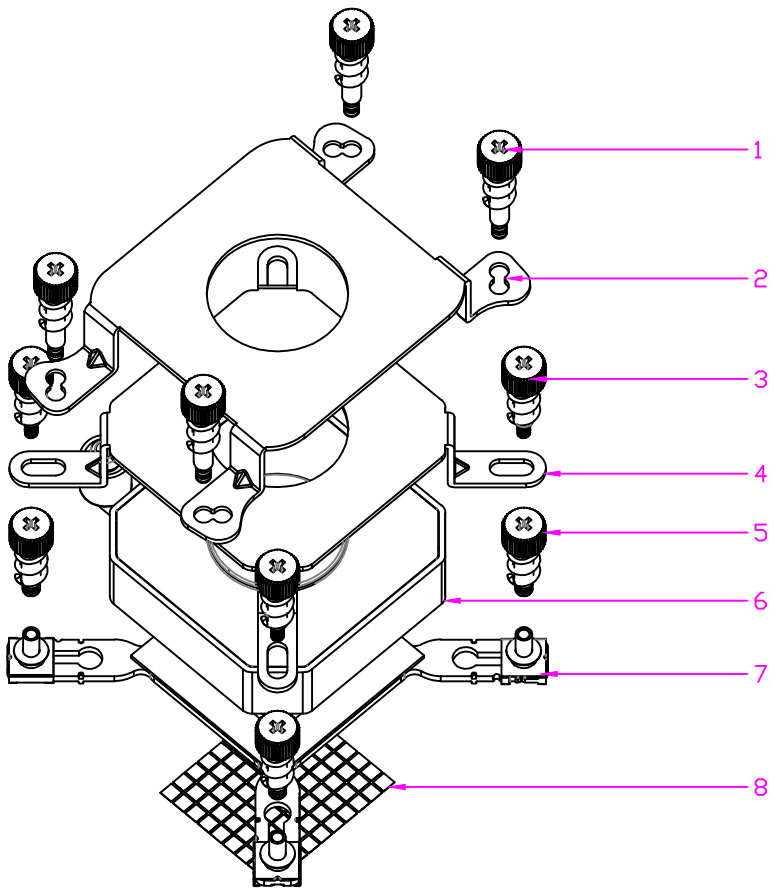
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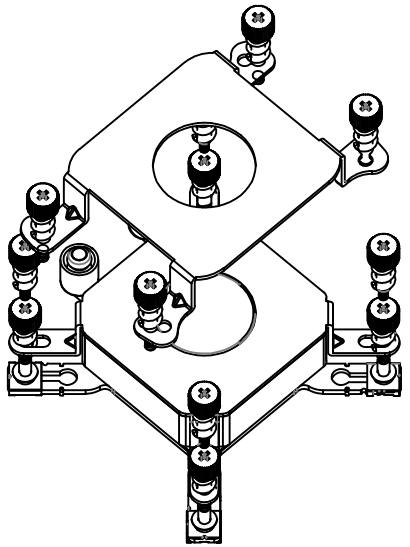
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NOTES:
1. The figure is for reference only.

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NOTES:
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ITEM #	DESCRIPTION	MATERIAL	QTY.
8	PRE-PRINTED THERMAL GREASE	SHIN-ETSU 7762	1
7	BACKPLATE FOR INTEL LGA 775/115X/1366	STEEL	1
6	COLD PLATE	PLASTIC ENCLOSURE/COPPER 1100 BASE	1
5	SCREWS FOR INTEL LGA 2011	STEEL	4
4	RETENTION FOR INTEL LGA 775/115X/1366/2011	SPCC	1
3	SCREWS FOR INTEL LGA 775/115X/1366	STEEL	4
2	RETENTION FOR AMD SOCKET AM2/AM3/AM4	SPCC	1
1	SCREWS FOR AM2/AM3/AM4	STEEL	4

	DATE	NAME
DRAWN	07/13/21	engr.
CHECKED	07/13/21	engr.
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MFG. APPR.		
Q.A.		
COMMENTS:		

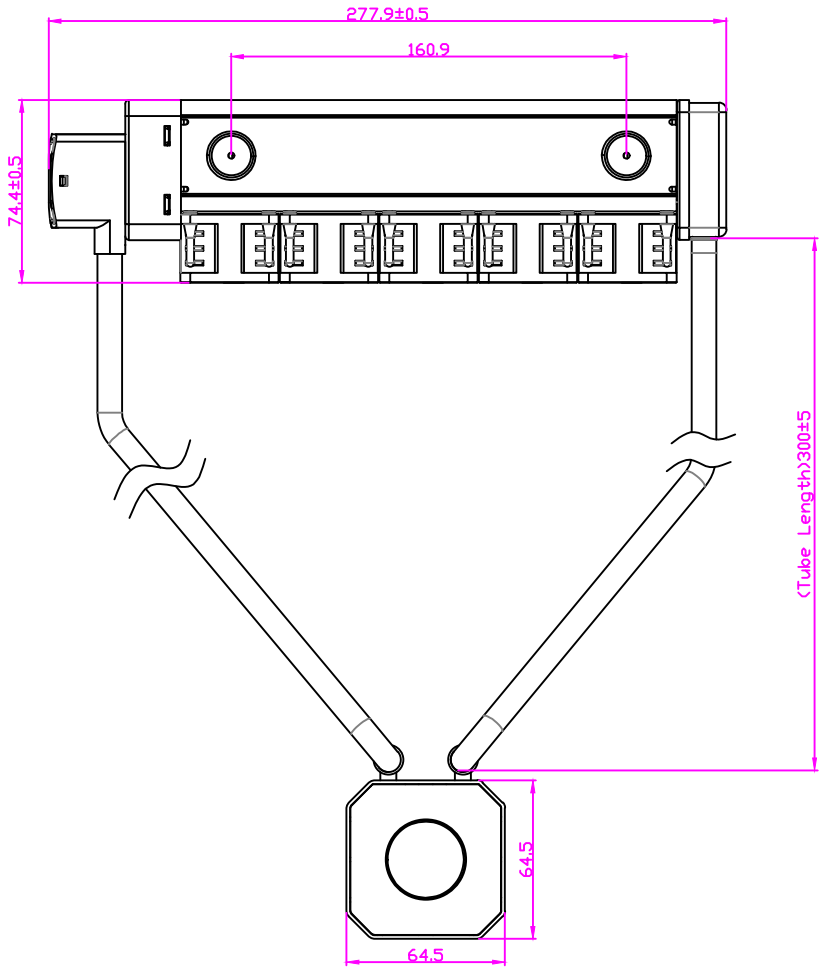
TOP MOTOR DYNATRON CORPORATION

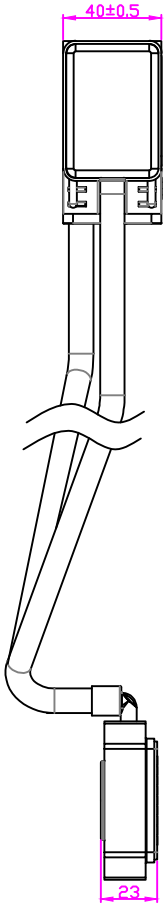
TITLE: 1U Liquid Cooler L25-1
Cold Plate
BOM & Exploded Assembly Drawing

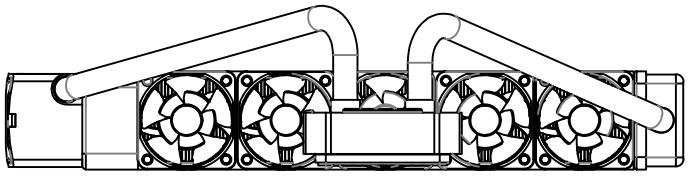
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REV#	DESCRIPTION	CHECKER	DATE
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	NAME	DATE
DRAWN BY	ENGR	07/12/2021
CHECKED BY	ENGR	07/12/2021
ENG.APPROVED		
MFG.APPROVED	-	-

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TOP MOTOR

DYNATRON CORPORATION

TITLE: 1U Liquid Cooler L25-1
Overall Dimension Drawing

VIEW		DWG. No:	REV.
UNITS	MM	DYN-DM-L25-1	0.0