

TL37

2U Liquid Cooler

PRODUCT SPECIFICATIONS

Specification Version: 06/27/2025

(Specifications are subject to change without notice)

Model Number: TL37

- Recommend for AMD® CPU as following
 - AMD® Genoa® Processor Family, Socket SP5;
- Liquid cooler for 2U server & up

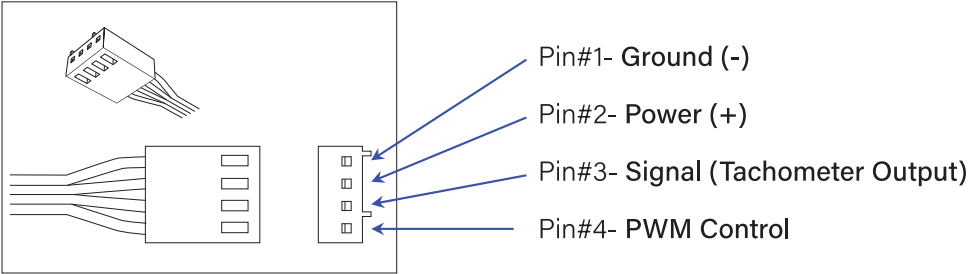
Overall Specification

- Cold Plate Module with Copper base
- Space-saving lightweight Radiator
- Triple 8 cm Cooling Fans with 4-Pin PWM Function
- Stand-alone Water Pump with Powerful Flow Rate 2.9 Litter Per Minute
- 300 mm Black Pair EPDM Tube Assembled
- Mounting Accessories are included
- Shin-Etsu 8195 or Equivalent Thermal Compound Pre-Printed on Base
- Support CPU Overclocking Power Mode up to 500 Watts Heat Dissipation at 40°C ambient temperature

Cooling Fan Specification

Model Number	DF128038BU
Dimension	80 x 80 x 38 mm
Bearing	Liquid State
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%: 1.20 W At Duty Cycle 50%: 5.52 W At Duty Cycle 100%: 24.72 W
Maximum Airflow	At Duty Cycle 0~20%: 35.52CFM 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

TL37| Socket SP5

	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 TL37 Thermal Resistance Thermal Resistance vs. Fan Speed @ PWM Duty Cycle

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REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	BELLA	6/27/2025

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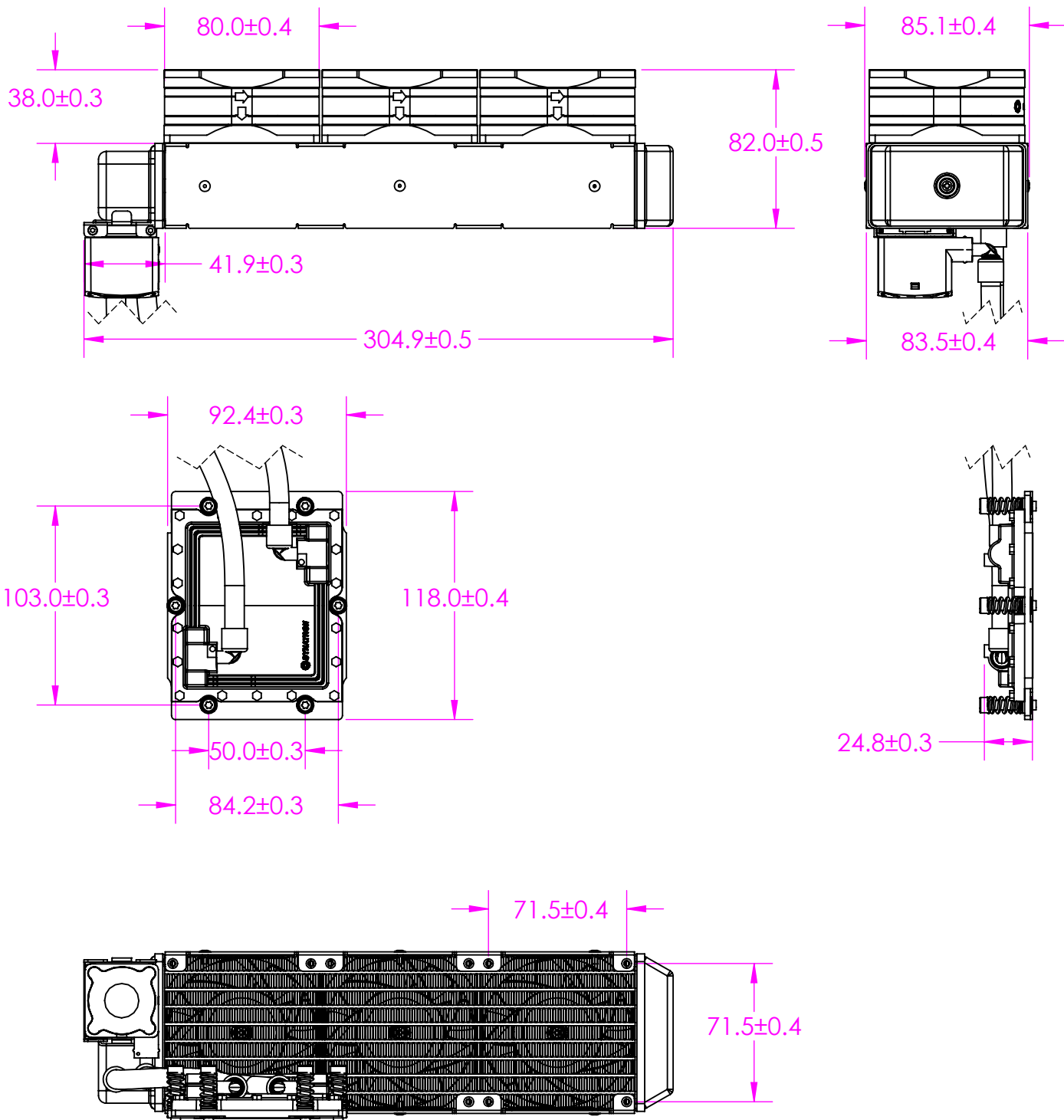
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	NAME	DATE
DRAWN BY	BELLA	6/27/2025
CHECKED BY	BELLA	6/27/2025
ENG. APPROVED		
MFG. APPROVED		

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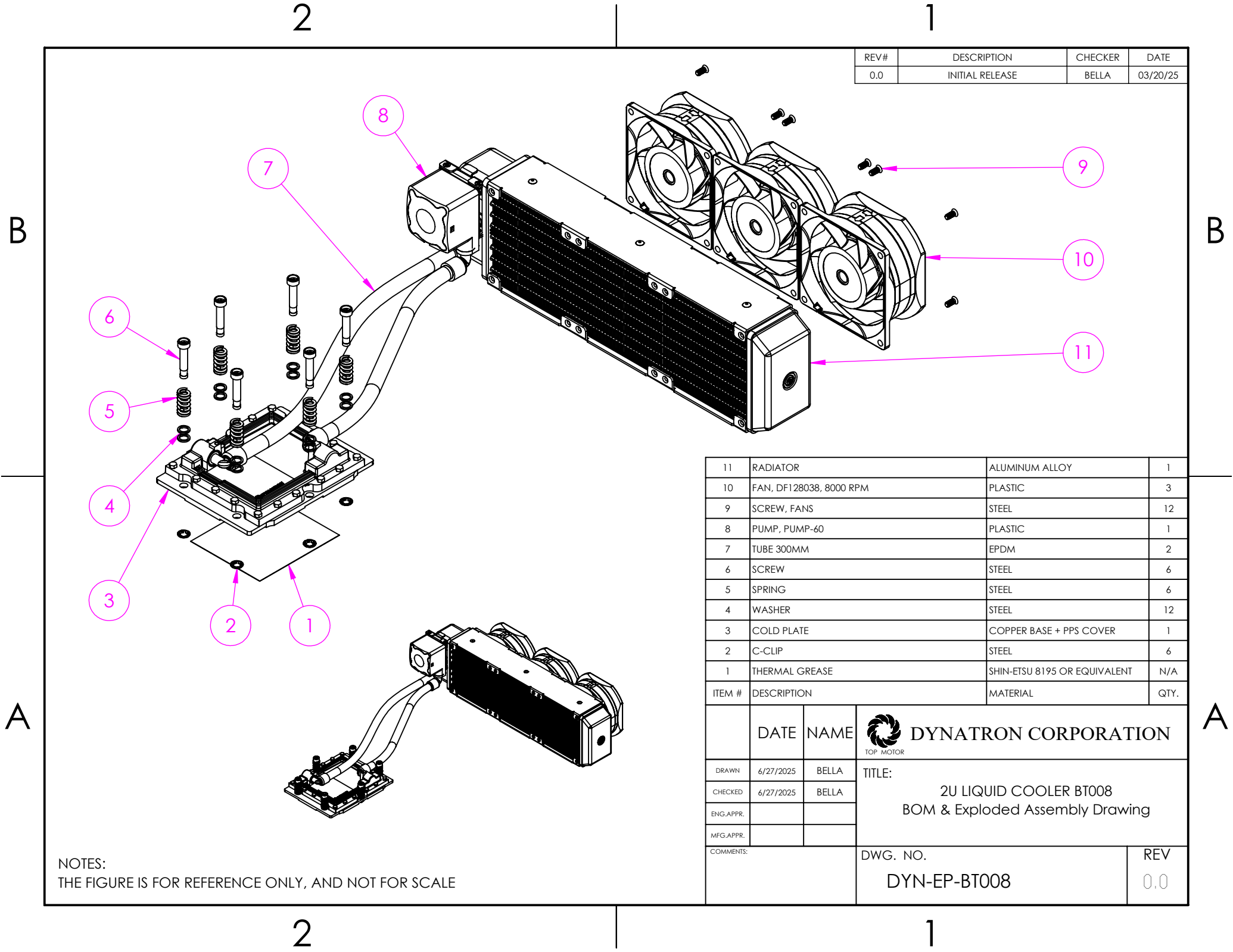
TITLE:

2U LIQUID COOLER BT008
OVERALL DIMENSION DRAWING

VIEW	
UNITS	MM

DWG. No:
DYN-BD-BT008

REV.
0.0



REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	BELLA	03/20/25

11	RADIATOR	ALUMINUM ALLOY	1
10	FAN, DF128038, 8000 RPM	PLASTIC	3
9	SCREW, FANS	STEEL	12
8	PUMP, PUMP-60	PLASTIC	1
7	TUBE 300MM	EPDM	2
6	SCREW	STEEL	6
5	SPRING	STEEL	6
4	WASHER	STEEL	12
3	COLD PLATE	COPPER BASE + PPS COVER	1
2	C-CLIP	STEEL	6
1	THERMAL GREASE	SHIN-ETSU 8195 OR EQUIVALENT	N/A
ITEM #	DESCRIPTION	MATERIAL	QTY.

		DATE	NAME	DYNATRON CORPORATION TITLE: 2U LIQUID COOLER BT008 BOM & Exploded Assembly Drawing
DRAWN	6/27/2025	BELLA		
CHECKED	6/27/2025	BELLA		
ENG.APPR.				
MFG.APPR.				
COMMENTS:				DWG. NO. DYN-EP-BT008
				REV 0.0

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