



L44

2U Liquid Cooler

PRODUCT SPECIFICATIONS

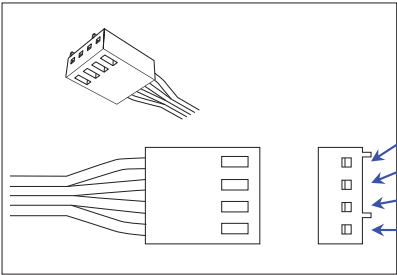
Speficiation Version: 02/22/2024

(Specifications are subject to change without notice)

Model Number: L44

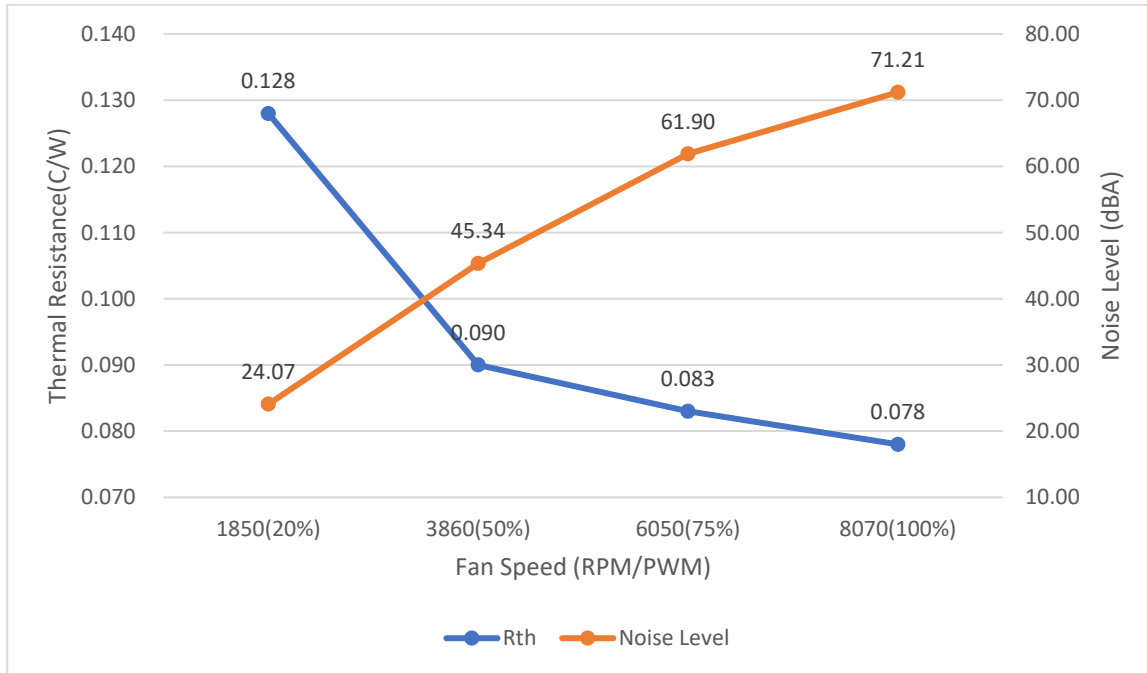
- Recommend for LGA 4926 Processor
- Liquid Cooler for 2U Server and Up
- Shin-Etsu X23-8079-2 Pre-Printed
- Fully Support 250W at 43°C Ambient Temperature

Cooling Fan Specification

Model Number	DF128038BX-E
Dimension	80 x 80 x 38 mm
Bearing	Double Ball
Rated Voltage	DC 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-H ₂ O At Duty Cycle 50%: 13.6 mm-H ₂ O At Duty Cycle 100%: 38.3 mm-H ₂ O
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)  Pin#1- Ground (-) Pin#2- Power (+) Pin#3- Signal (Tachometer Output) Pin#4- PWM Control

Performance Chart: Passive Cooler L44 Thermal Resistance

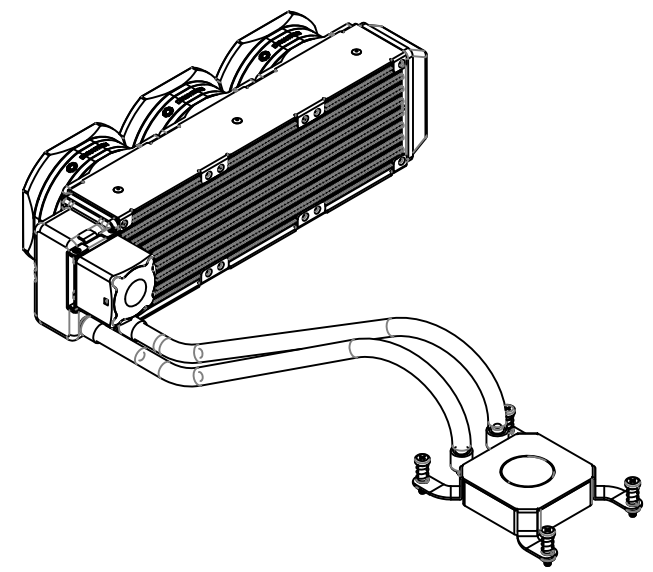
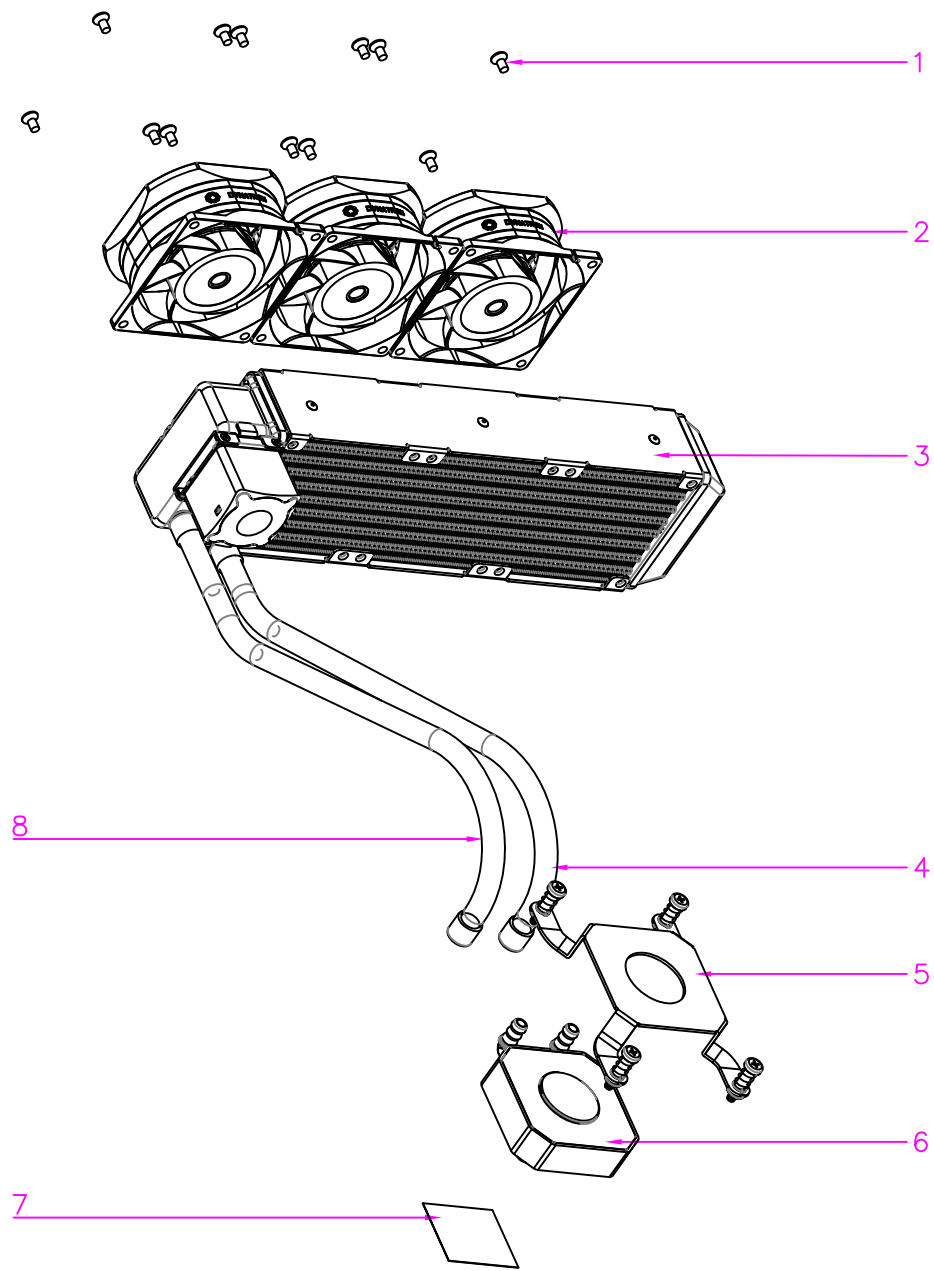
Thermal Resistance vs. Fan Speed



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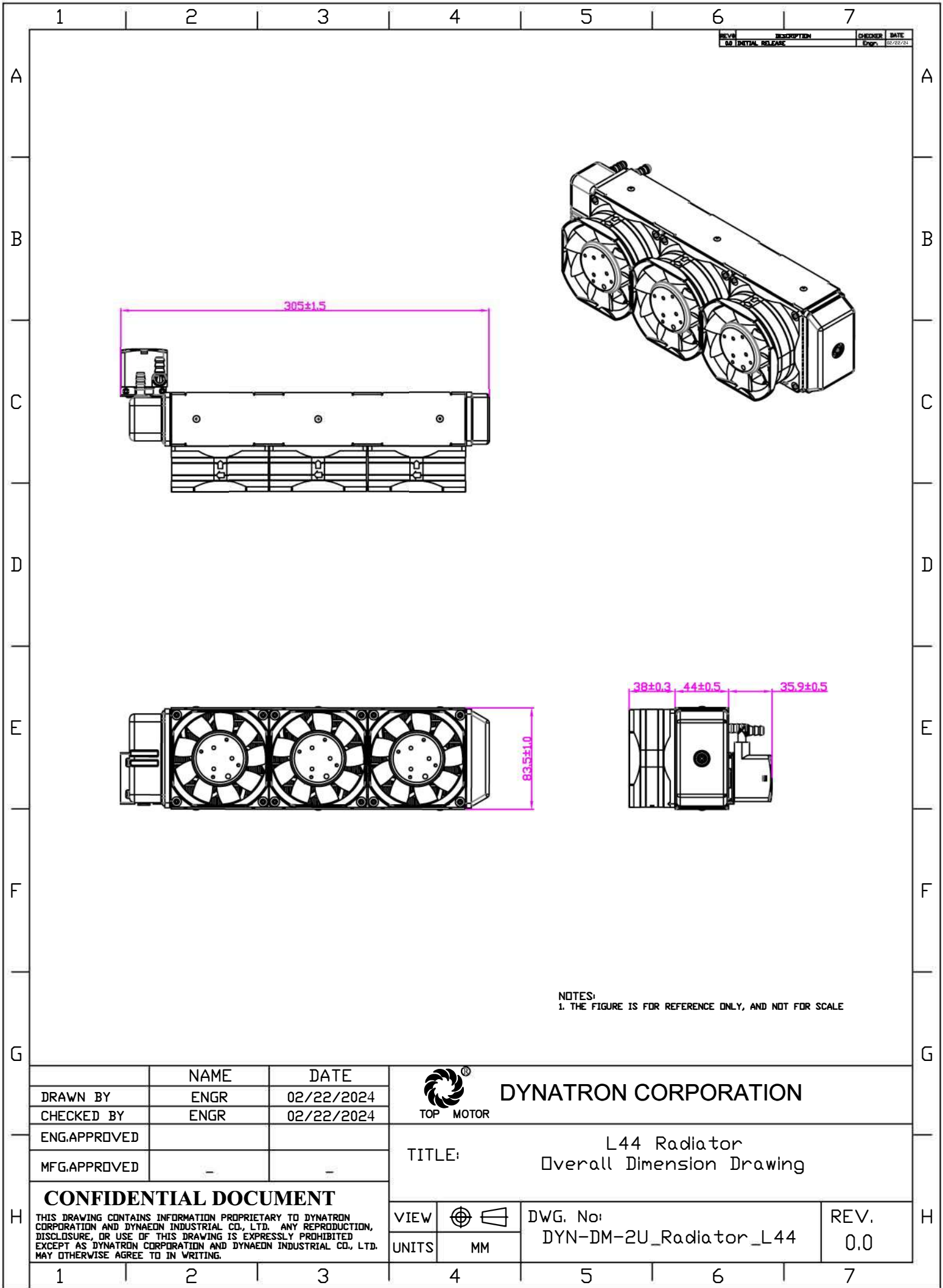
REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	Engr.	02/22/24



8	RADIATOR HOSE (HOT SIDE)	RUBBER	1
7	THERMAL GREASE	SHIN ETSU X23-8079-2	N/A
6	CP65 (WITH 90° BARB)	COPPER + PLASTIC	1
5	DY-RT_4926_SET	STEEL	1
4	RADIATOR HOSE (COLD SIDE)	RUBBER	1
3	RADIATOR (WITH PUMP60)	ALUMINUM ALLOY + PLASTIC	1
2	FAN, DF128038BX-E, 8000RPM	PLASTIC	3
1	FAN MOUNTING SCREW	STEEL	12
ITEM #	DESCRIPTION	MATERIAL	QTY.

DATE	NAME	 DYNATRON CORPORATION	
02/22/24	Engr.		
CHECKED	02/22/24	TITLE: 2U Liquid Cooler L44 BOM & Exploded Assembly Drawing	
ENG. APPR.			
MFG. APPR.			
Q.A.			
COMMENTS:		DWG. No: DYN-EP-L44	REV 0.0

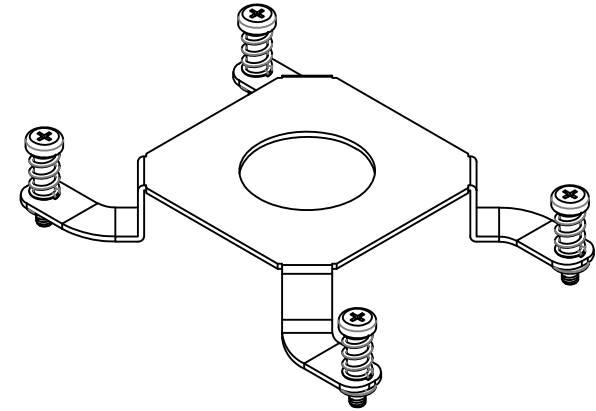
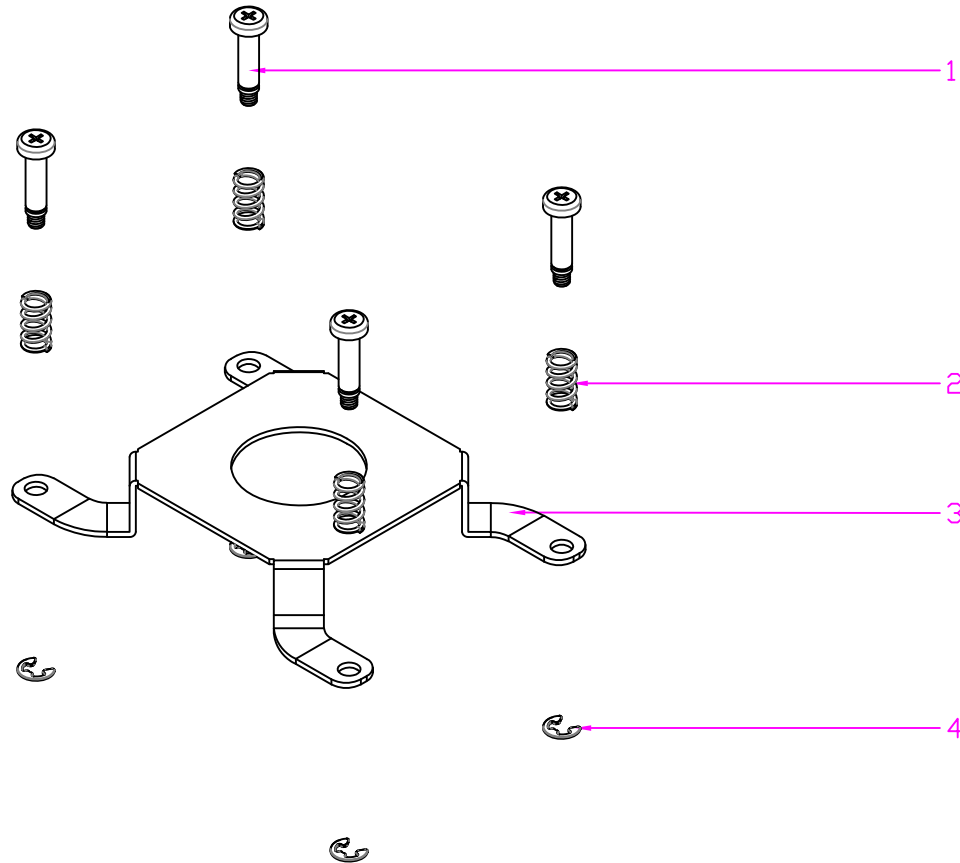
NOTES:
1. THE FIGURE IS FOR REFERENCE ONLY, AND NOT FOR SCALE



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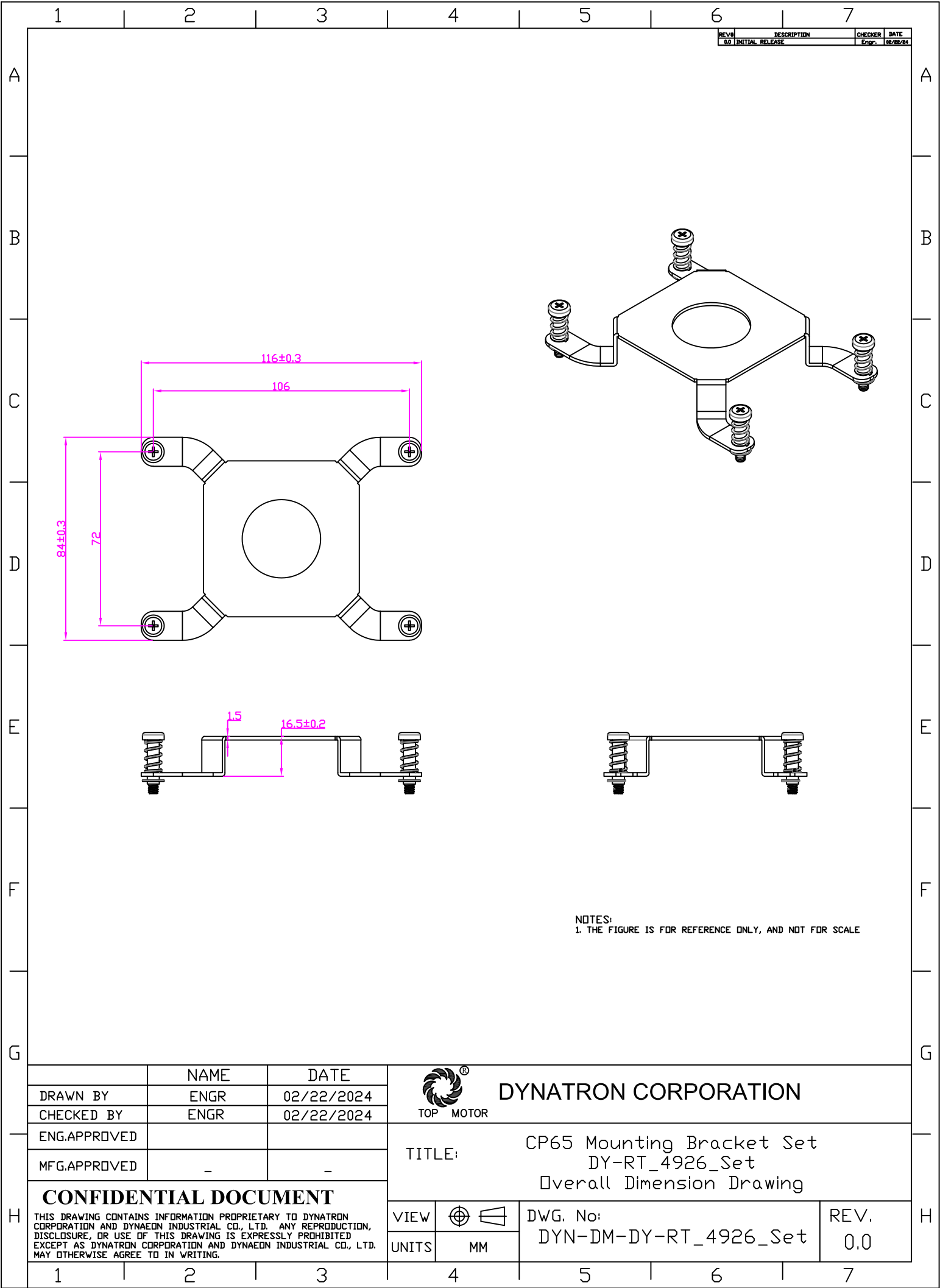
REV#	DESCRIPTION	CHECKER	DATE
0.0	INITIAL RELEASE	Engr.	02/22/24



4	C-CLIP	STEEL	4
3	CP65 MOUNTING BRACKET (LGA4926)	STEEL	1
2	MOUNTING SPRING	STEEL	4
1	MOUNTING SCREW	STEEL	4
ITEM #	DESCRIPTION	MATERIAL	QTY.
DATE 02/22/24 NAME Engr. TOP MOTOR DYNATRON CORPORATION TITLE: CP65 Mounting Bracket Set DY-RT_4926_Set BOM & Exploded Assembly Drawing			
DWG. No:			REV
DYN-EP-DY-RT_4926_Set			0.0

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Publication History:

02/22/2024: Initial Release

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