# DYNATRON

# S2

2U Server Passive Cooler

PRODUCT SPECIFICATIONS

**DYNATRON**

# Model Number: S2

- Recommend for Intel® CPU as following
    - Intel® Sapphire Rapids Processor, Socket LGA 4677
- Passive Heat Sink for 2U Server or up

# Overall Specification

| | |
|---|---|
| Dimension | 118 x 78 x 64 mm |
| Weight | 526.6 g |
| Material | Copper Vapor Chamber and heat pipe, Aluminum Fin Stack |
| Mounting sets | Intel Standard Anti-Tilt Heatsink Captive Mounting Sets |
| Package Carrier | PHM Package Carrier Included |
| Thermal Grease | Pre-Printed with SHIN-ETSU 7762 |
| TDP | Support 350 Watts CPU Power Heat Dissipation |

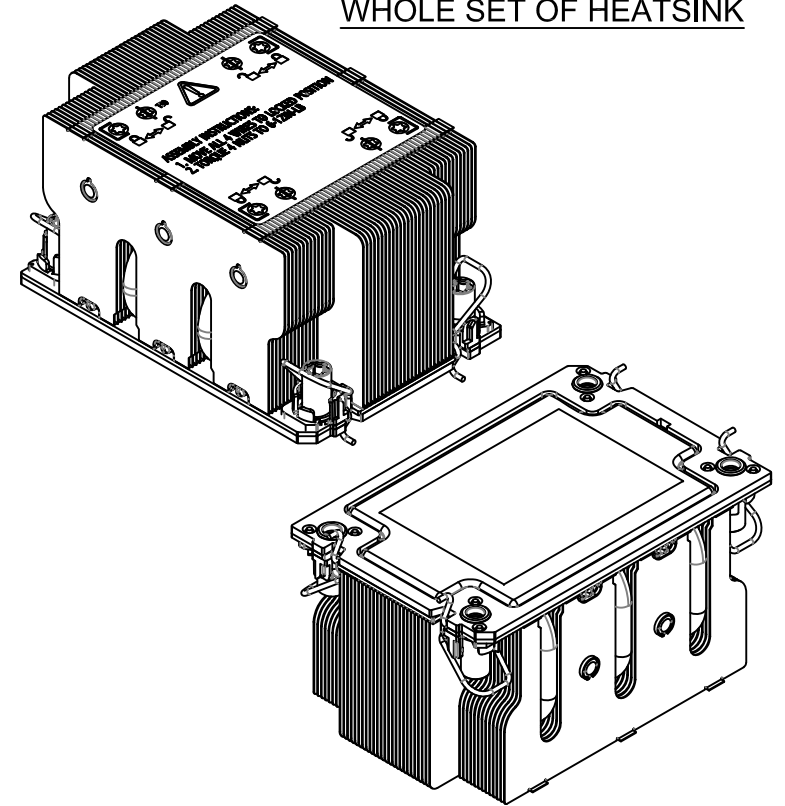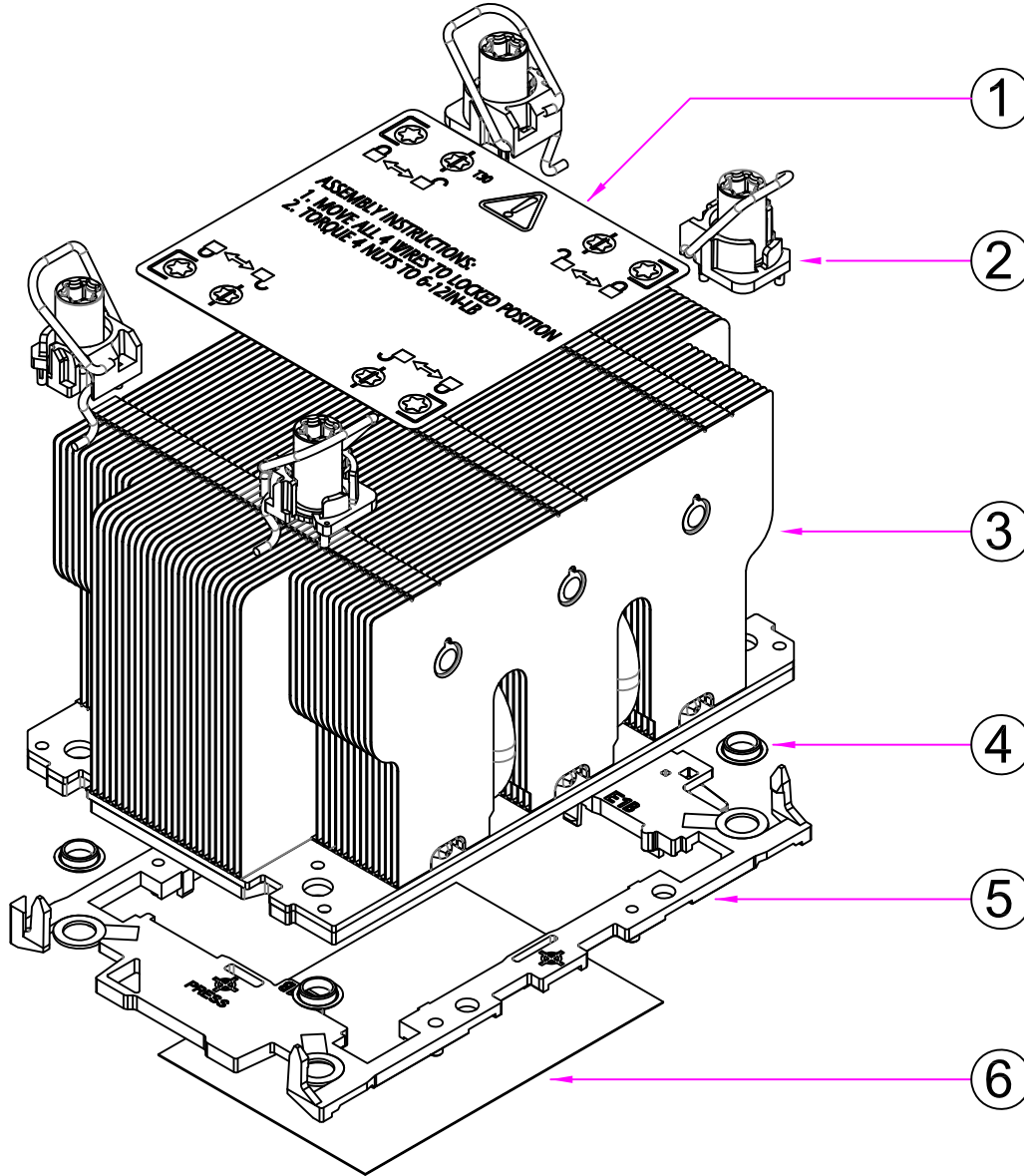# Performance Chart: S2 Thermal Resistance

## Thermal Performance vs. Airflow
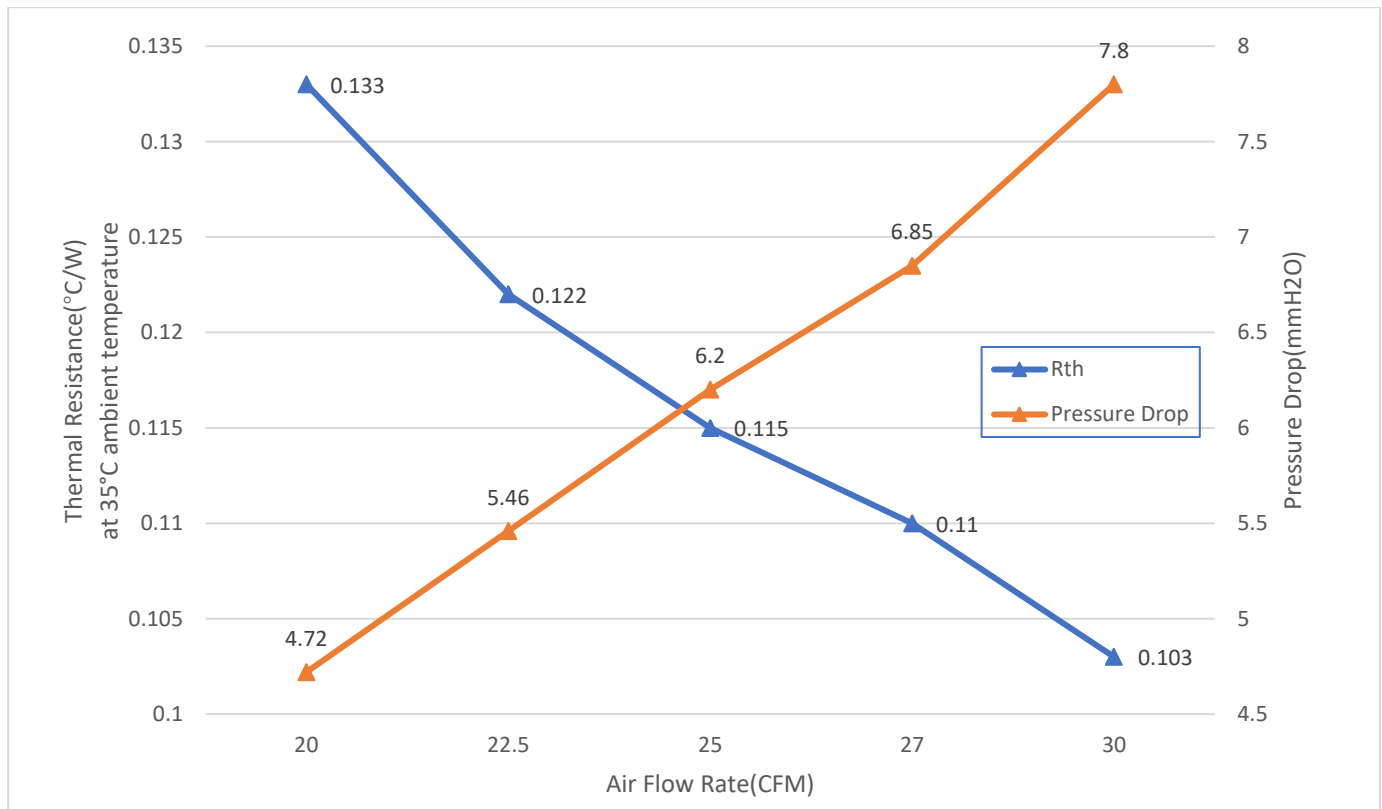
| REV# | DESCRIPTION | CHECKER | DATE |
|---|---|---|---|
| 0.0 | INITIAL RELEASE | LANG | 03/26/2021 |

## ASSEMBLY PARTS

## WHOLE SET OF HEATSINK



ASSEMBLY INSTRUCTIONS:
1. MOVE ALL 4 WIRES TO LOCKED POSITION
2. TORQUE 4 NUTS TO 6.12IN-LB

| 6 | THERMAL GREASE, PRE-PRINTED | SHIN-ETSU 7762 | 1 |
|---|---|---|---|
| 5 | INTEL PACKAGE CARRIER | PLASTIC | 1 |
| 4 | SPACER RING | PLASTIC | 4 |
| 3 | HEATSINK, with STACKED FINS | (5x) HEATPIPE ALUMINUM FIN STACK COPPER VAPOR CHAMBER BASE STEEL RETENTION | 1 |
| 2 | ANTI-TILT ROTATING WIRE ASSEMBLY SET | PLASTIC NUT AND CAPTIVATION STEEL RORATING WIRE | 4 |
| 1 | MOUNTING INSTRUCTION LABEL | PLASTIC | 1 |
| ITEM# | DESCRIPTION | MATERIAL | QTY. |

|  | DATE | NAME | ⊙ TOP MOTOR | DYNATRON CORPORATION |
|---|---|---|---|---|
| DRAWN | 03/26/2021 | Engr | TITLE: | |
| CHECKED | 03/26/2021 | LANG | 2U Server Passive Cooler Model **S2** BOM & Exploded Assembly Drawing | |
| ENG. APPR. | | | | |
| MFG. APPR. | | | | |
| Q.A. | | | | |
| COMMENTS: | | | | |

| DWG. No: DYN-EP-S2 | REV 0.0 |
|---|---|

**NOTES:**
1. THE FIGURE IS FOR REFERENCE ONLY, AND NOT FOR SCALE
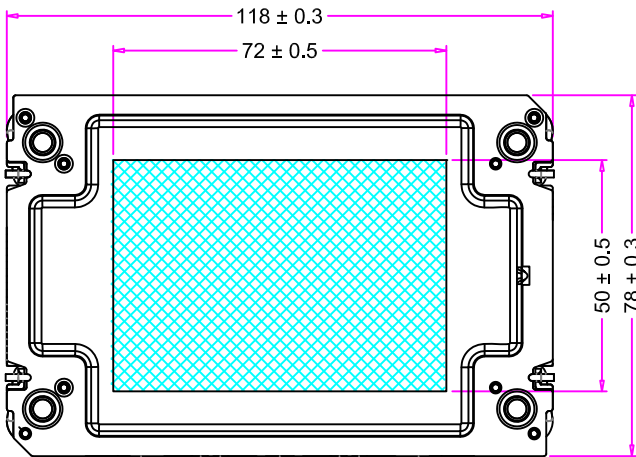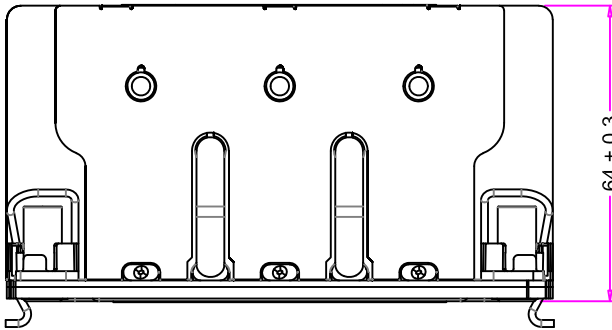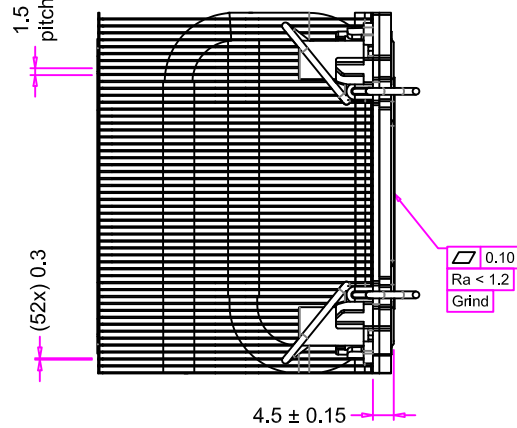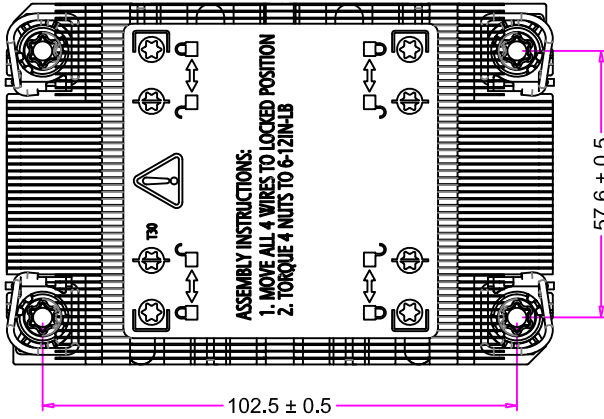2. OVERALL DIMENSION : 118 x 78 x 64 mm
3. OVERALL WEIGHT : 580 g

Drawing dimensions:
- 57.6 ± 0.5
- 102.5 ± 0.5
- 1.5 pitch
- (52x) 0.3
- 4.5 ± 0.15
- 64 ± 0.3
- 118 ± 0.3
- 72 ± 0.5
- 50 ± 0.5
- 78 ± 0.3

Geometric tolerance callout:
| ▱ | 0.10 |
Ra < 1.2
Grind

ASSEMBLY INSTRUCTIONS:
1. MOVE ALL 4 WIRES TO LOCKED POSITION
2. TORQUE 4 NUTS TO 6-12IN-LB

T30

® TOP MOTOR

## DYNATRON CORPORATION

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0.0 | INITIAL RELEASE | LANG | 03/26/2021

TITLE: 2U Server Passive Cooler Model **S2**
Overall Dimension Drawing

VIEW: ⊕ ⊏
UNITS: MM

DWG. No: DYN-DM-S2

REV. 0.0