# DYNATRON

# S4

1U Server Passive Cooler
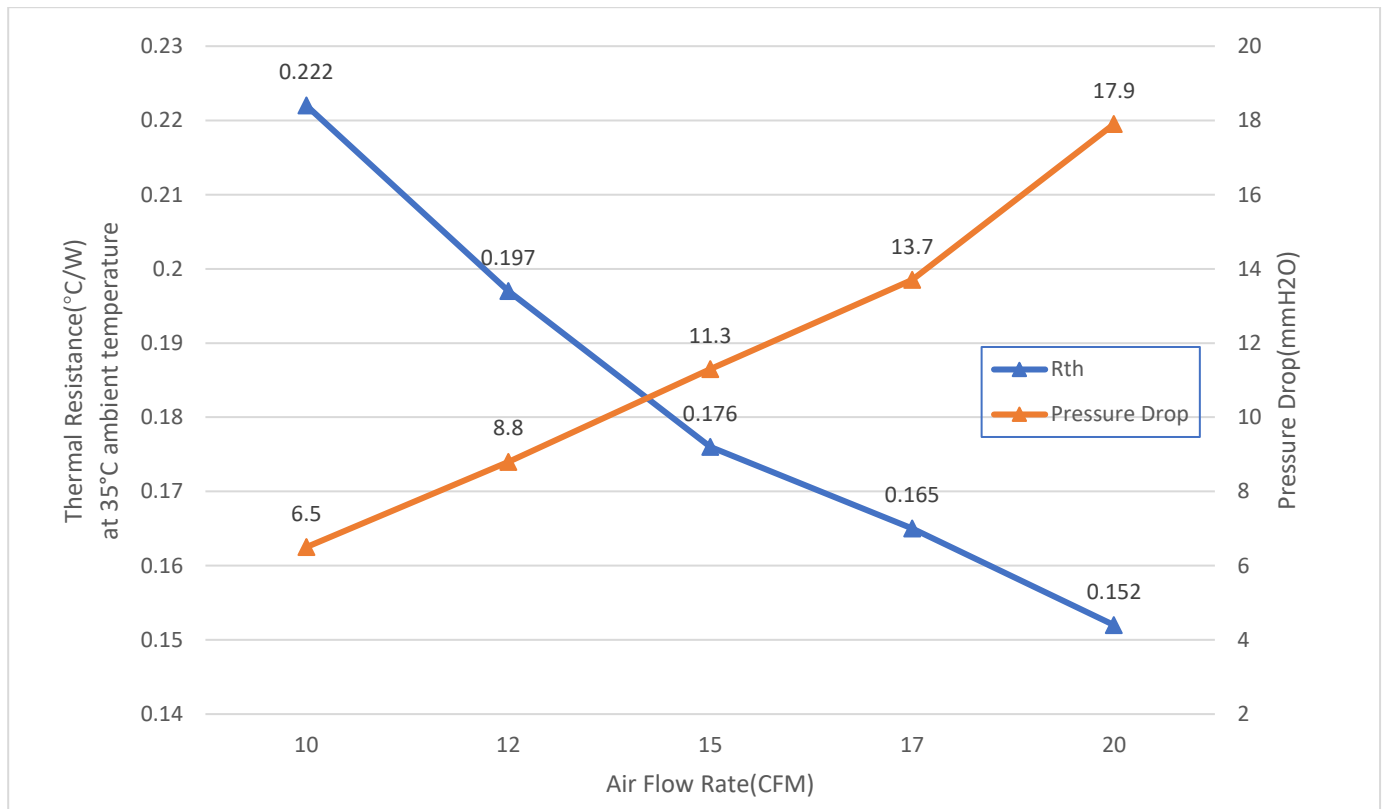
PRODUCT SPECIFICATIONS

# Model Number: S4

- Recommend for Intel® CPU as following
  - Intel® Sapphire Rapids Processor, Socket LGA 4677
- Passive Heat Sink for 1U Server or up

# Overall Specification

| | |
|---|---|
| Dimension | 118 x 78 x 27 mm |
| Weight | 437.6 g |
| Material | Copper Vapor Chamber and 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 205 Watts CPU Power Heat Dissipation |

# Performance Chart: S4 Thermal Resistance
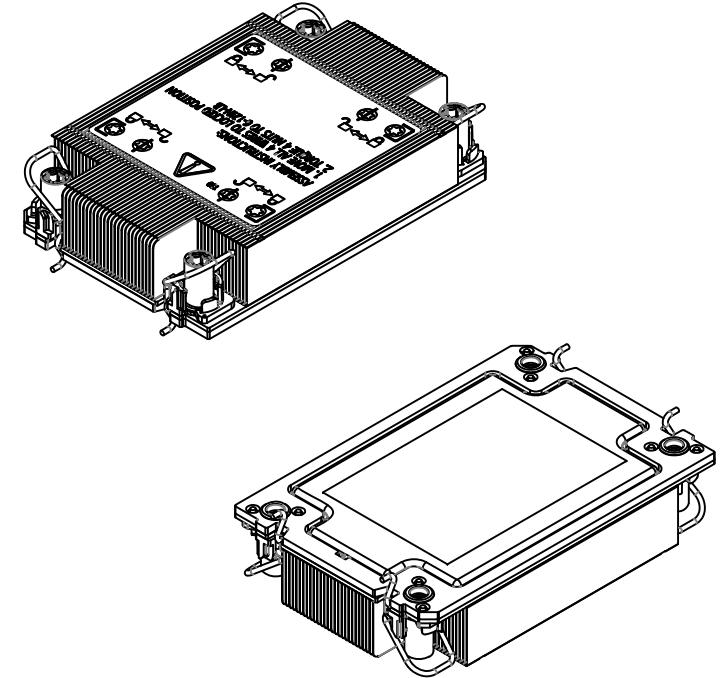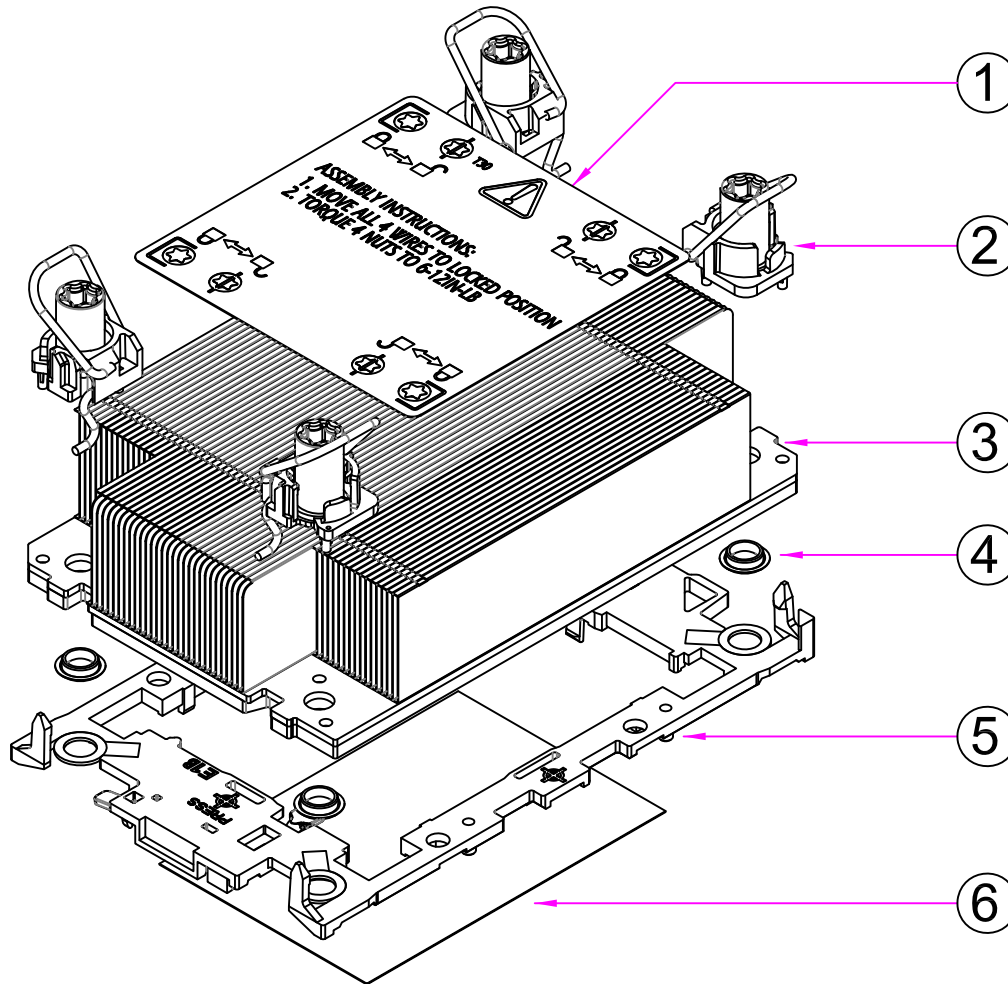
## Thermal Performance vs. Airflow

| REV# | DESCRIPTION | CHECKER | DATE |
|---|---|---|---|
| 0.0 | INITIAL RELEASE | LANG | 03/26/2021 |

## ASSEMBLY PARTS

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

① ② ③ ④ ⑤ ⑥

## WHOLE SET OF HEATSINK



| ITEM# | DESCRIPTION | | MATERIAL | QTY. |
|---|---|---|---|---|
| 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 | | COPPER 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 |

| | DATE | NAME | | DYNATRON CORPORATION |
|---|---|---|---|---|
| DRAWN | 03/26/2021 | Engr | TITLE: | |
| CHECKED | 03/26/2021 | LANG | 1U Passive Cooler Model **S4** | |
| ENG. APPR. | | | BOM & Exploded Assembly Drawing | |
| MFG. APPR. | | | | |
| Q.A. | | | | |
| COMMENTS: | | | DWG. No: DYN-EP-S4 | REV 0.0 |

TOP MOTOR

**NOTES:**
1. THE FIGURE IS FOR REFERENCE ONLY, AND NOT FOR SCALE
2. OVERALL DIMENSION : 118 x 78 x 27 mm
3. OVERALL WEIGHT : 520 g

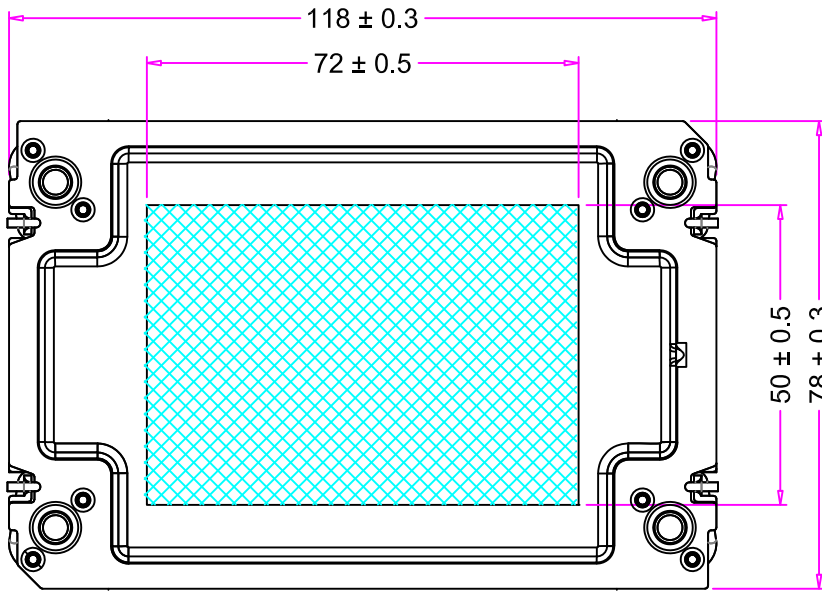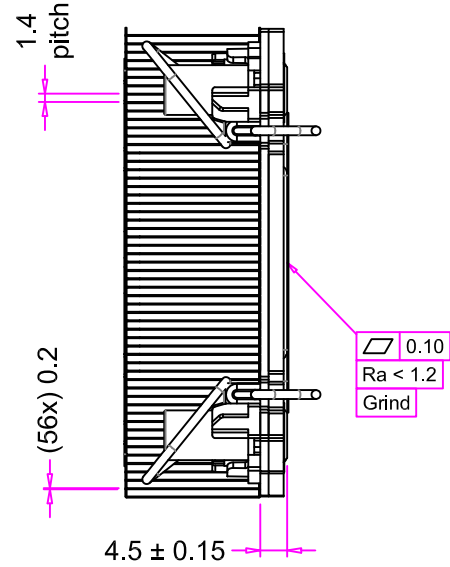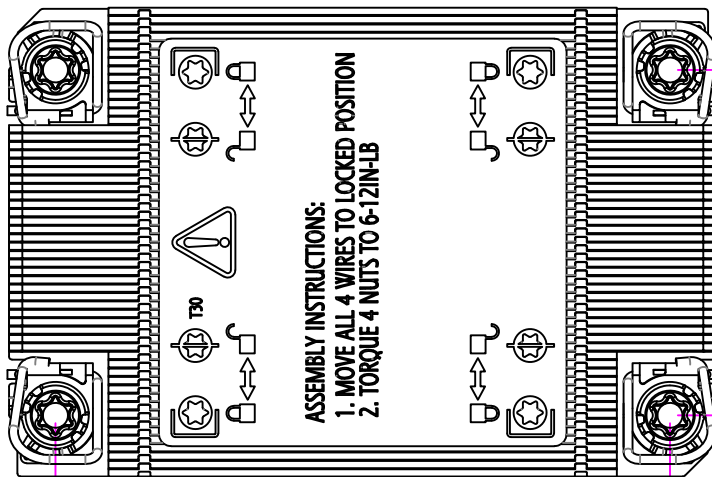| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

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

T30

57.6 ± 0.5

102.5 ± 0.5

1.4 pitch

(56x) 0.2

0.10
Ra < 1.2
Grind

4.5 ± 0.15

27 ± 0.3

118 ± 0.3

72 ± 0.5

50 ± 0.5

78 ± 0.3

| | NAME | DATE |
| DRAWN BY | engr | 03/26/2021 |
| CHECKED BY | LANG | 03/26/2021 |
| ENG.APPROVED | | |
| MFG.APPROVED | - | - |

DYNATRON CORPORATION
TOP MOTOR

TITLE: 1U Passive Cooler Model **S4**
Overall Dimension Drawing

VIEW

DWG. No: DYN-DM-S4

UNITS MM

REV. 1.0