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YS Tech Server CPU Cooler Product Spec

單 位 模組事業處

日 期 2025/05

表單編號:YS-C2-002_02 V1

Intel 130W Solution

Photo



LGA1700 1U : V17PS01A

SPECIFICATION

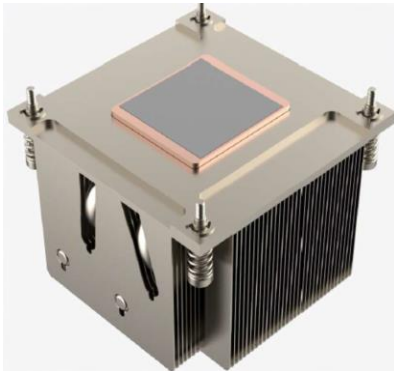
Application	Intel 1U Server and up
CPU Socket	LGA1700
Heat Sink	Vapor Chamber Cu Stacked Fin, T=0.2mm 72 Fins, Fin Pitch=1.24mm
Sink Size(mm)	90mm*90mm*28mm
Mounting	Screw & Spring
TIM	Shin-Etsu X23-7783
Weight	381g

Air Flow vs Rca ; Air Flow vs Delta P

Air Flow (CFM)	Rca (°C/W)	Power (W)	Tc (°C)	Ta (°C)	ΔT (°C)	Pressure Drop (inH2O)
14.98	0.1684	250	69.70	27.60	42.10	0.3543
20.02	0.1460	250	64.50	28.00	36.50	0.4913
29/97	0.1232	250	59.20	28.40	30.80	0.8102
40.26	0.1100	250	56.00	28.50	27.50	1.2118

Intel 180W Solution

Photo



LGA1700 2U : H17PS02A

SPECIFICATION



Application	Intel 2U Server and up
CPU Socket	LGA1700
Heat Sink	Cu Base, AL Base, 6mm Pipe*4 pcs AL Stacked Fin, T=0.4mm 48 Fins, Fin Pitch=1.87mm
Sink Size(mm)	90mm*90mm*65mm
Mounting	Screw & Spring
TIM	Shin-Etsu X23-7783
Weight	420g

Intel 205W Solution

Photo

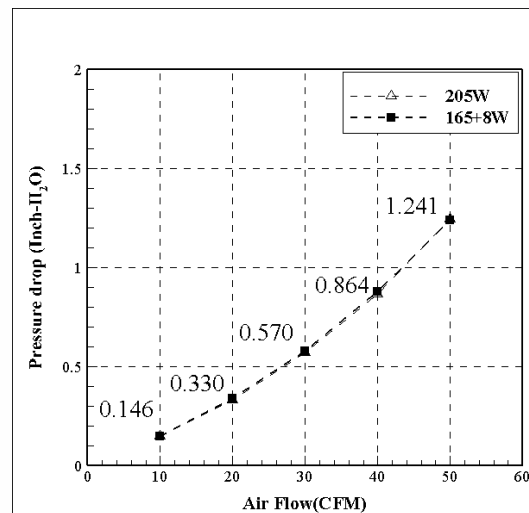
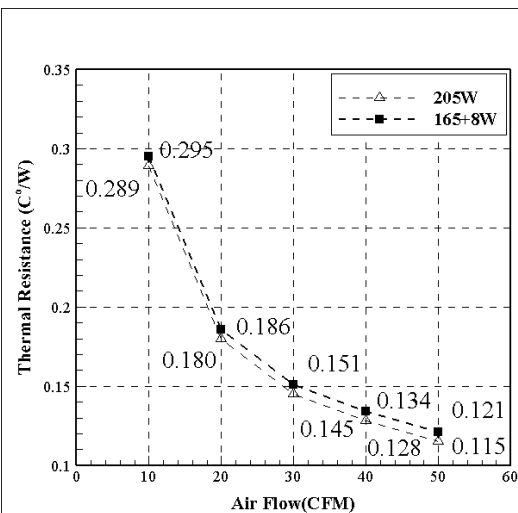


LGA3647 1U : V67PN01A

SPECIFICATION

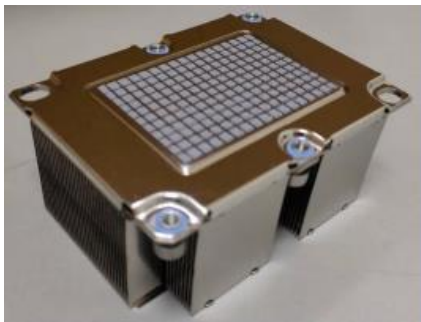


Application	Intel 1U Server and up
CPU Socket	LGA3647
Heat Sink	Vapor Chamber AL Stacked Fin, T=0.3mm 50 Fins, Fin Pitch=1.58mm
Sink Size(mm)	108mm*78mm*25.7mm
Mounting	NUT Screw
TIM	Shin-Etsu X23-7783
Weight	266 g



Intel 205W Solution

Photo

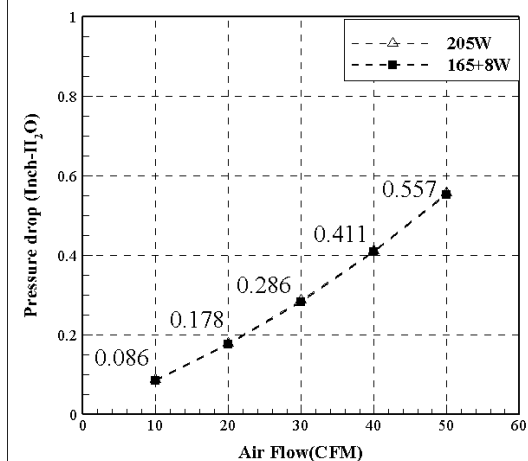
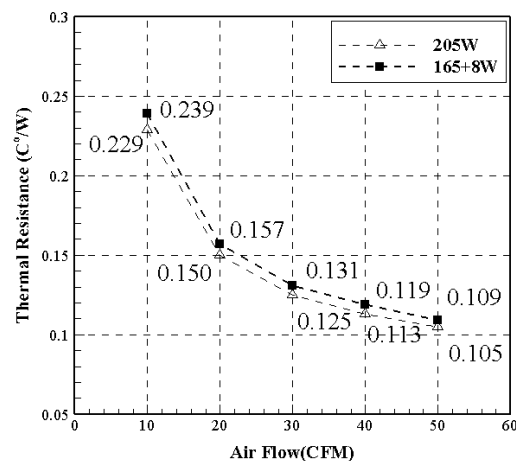


LGA3647 1.5U : V67PN02A

SPECIFICATION



Application	Intel 1.5U Server and up
CPU Socket	LGA3647
Heat Sink	Vapor Chamber Cu Stacked Fin, T=0.3mm 46 Fins, Fin Pitch=1.70mm
Sink Size(mm)	108mm*78mm*45.2mm
Mounting	NUT Screw
TIM	Shin-Etsu X23-7921
Weight	675 g



Intel 185W Solution

Photo



LGA4189 1U : H89PN01A

SPECIFICATION



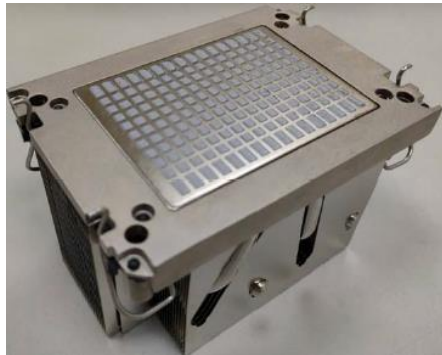
Application	Intel 1U Server and up
CPU Socket	LGA4189
Heat Sink	Cu Base, ADC-12 Base, 6mm Pipe*3 pcs AL Stacked Fin, T=0.3mm 45 Fins, Fin Pitch=1.66mm
Sink Size(mm)	113mm*78mm*24.9mm
Mounting	Screw captive mounting
TIM	Shin-Etsu X23-7783
Weight	246 g

Air Flow vs Rca ; Air Flow vs Delta P

Air Flow (CFM)	Rca (°C/W)	Power (W)	Tc (°C)	Ta (°C)	ΔT (°C)	Pressure Drop (inH2O)
15.00	0.1818	185.40	55.20	21.5	33.70	0.3992
20.00	0.1618	184.80	51.90	22.0	29.90	0.6063
25.00	0.1476	185.60	49.90	22.5	27.40	0.8421
30.00	0.1373	185.00	48.50	23.1	25.40	1.1213

Intel 250W Solution

Photo



LGA4189 2U : H89PN06A

SPECIFICATION



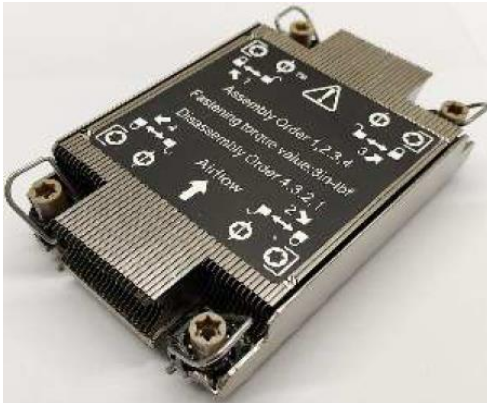
Application	Intel 2U Server and up
CPU Socket	LGA4189
Heat Sink	Cu Base, ADC-12 Base, 6mm Pipe*4 pcs Cu Stacked Fin*13 pcs, T=0.3mm AL Stacked Fin*36 pcs, T=0.3mm Total 49 Fins, Fin Pitch=1.52mm
Sink Size(mm)	113mm*78mm*64.2mm
Mounting	Screw captive mounting
TIM	Shin-Etsu X23-7783
Weight	563 g

Air Flow vs Rca ; Air Flow vs Delta P

Air Flow (CFM)	Rca (°C/W)	Power (W)	Tc (°C)	Ta (°C)	ΔT (°C)	Pressure Drop (inH2O)
10.00	0.1943	250.70	71.70	23.0	48.70	0.0693
15.00	0.1480	250.60	60.40	23.3	37.10	0.1161
18.00	0.1330	250.40	56.60	23.3	33.30	0.1476
20.00	0.1252	249.20	54.70	23.5	31.20	0.1693
30.00	0.1018	250.40	49.30	23.8	25.50	0.2913
40.00	0.0890	249.40	46.00	23.8	22.20	0.4441
50.00	0.0804	249.90	44.00	23.9	20.10	0.6087

Intel 225W Solution

Photo



LGA4677 1U : H77PN01A

SPECIFICATION



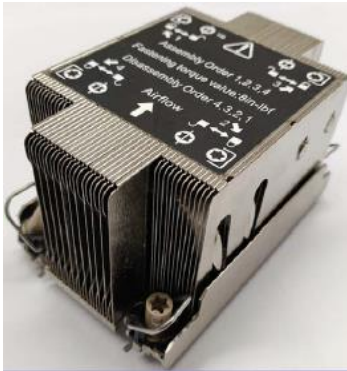
Application	Intel 1U Server and up
CPU Socket	LGA4677
Heat Sink	Cu Base, AL Base, 6mm Pipe*3 pcs AL Stacked Fin, T=0.3mm 57 Fins, Fin Pitch=1.27mm
Sink Size(mm)	118mm*78mm*25mm
Mounting	Screw captive mounting
TIM	Shin-Etsu X23-7783
Weight	285 g

Air Flow vs Rca ; Air Flow vs Delta P

Air Flow (CFM)	Rca (°C/W)	Power (W)	Tc (°C)	Ta (°C)	ΔT (°C)	Pressure Drop (inH2O)
15.00	0.1698	225.00	65.10	26.90	38.20	0.4807
19.97	0.1462	225.00	60.00	27.10	32.90	0.6921
24.98	0.1316	225.00	56.90	27.30	29.60	0.9413
29.97	0.1209	225.00	54.80	27.60	27.20	1.2276

Intel 350W Solution

Photo



LGA4677 2U : H77PN05A

SPECIFICATION



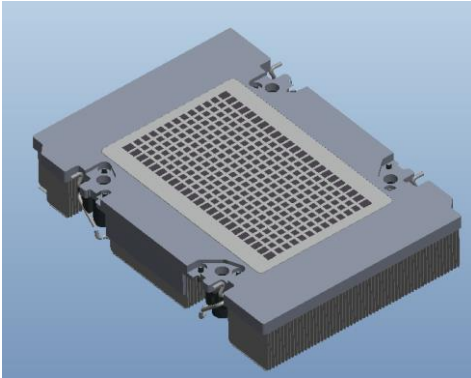
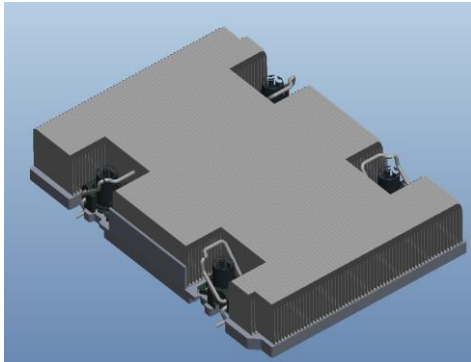
Application	Intel 2U Server and up
CPU Socket	LGA4677
Heat Sink	Cu Base, AL Base, 6mm Pipe*4 pcs AL Stacked Fin, T=0.4mm 47 Fins, Fin Pitch=1.55mm
Sink Size(mm)	118mm*78mm*64mm
Mounting	Screw captive mounting
TIM	Shin-Etsu X23-7783
Weight	508 g

Air Flow vs Rca ; Air Flow vs Delta P

Air Flow (CFM)	Rca (°C/W)	Power (W)	Tc (°C)	Ta (°C)	ΔT (°C)	Pressure Drop (inH2O)
21.59	0.1282	350.00	69.47	24.60	44.87	0.2390
27.01	0.1139	350.00	64.77	24.90	39.87	0.3134
34.99	0.0996	350.00	60.36	25.50	34.86	0.4554
39.97	0.0934	350.00	57.89	25.20	32.69	0.5323
49.96	0.0852	350.00	55.02	25.2	29.82	0.7138

Intel 400W Solution

Photo



LGA7529 1U : H79PN03A

SPECIFICATION



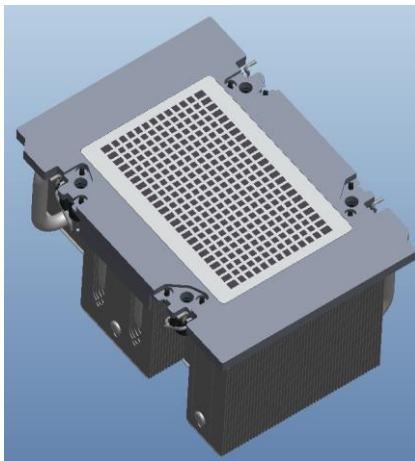
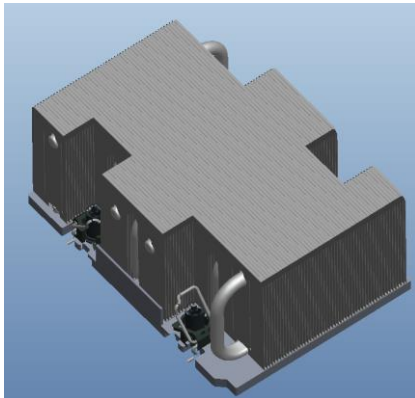
Application	Intel 1U Server and up
CPU Socket	LGA7529
Heat Sink	Cu Base, AL Base, 6mm Pipe*4 pcs AL Stacked Fin, T=0.3mm 62 Fins, Fin Pitch=1.56mm
Sink Size(mm)	139.5mm*99.5mm*25mm
Mounting	Screw captive mounting
TIM	Shin-Etsu X23-7783
Weight	420.8 g

Air Flow vs Rca ; Air Flow vs Delta P

H79PN03A (01) 1U 330W+70W								
Air Flow (CFM)	Thermal Resistance -01 (°C/W)	Pressure Drop (inH2O)	Power (W)	P1 (W)	P2 (W)	P1(C)	P2(C)	Ta(C)
19.98	0.16204	0.568898	401.736	331.4	70.336	78.6	81.1	24.9
29.99	0.133818	0.984252	400.636	330.3	70.336	70	72.6	25.8
36.03	0.124469	1.28622	399.736	329.4	70.336	67.5	70	26.5
39.95	0.118501	1.543701	401.136	330.8	70.336	65	67.5	25.8
49.98	0.107295	2.196063	399.336	329	70.336	61.4	63.8	26.1

Intel 500W Solution

Photo



LGA7529 2U : H79PN02A

SPECIFICATION



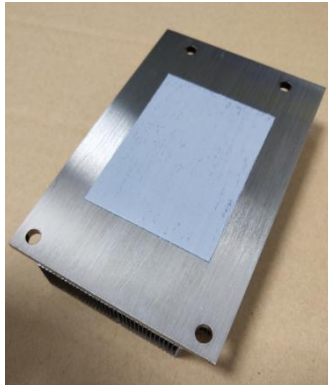
Application	Intel 2U Server and up
CPU Socket	LGA7529
Heat Sink	Cu Base, AL Base, 6mm Pipe*11 pcs AL Stacked Fin, T=0.4mm 64 Fins, Fin Pitch=1.49mm
Sink Size(mm)	139.5mm*99.5mm*64mm
Mounting	Screw captive mounting
TIM	Shin-Etsu X23-7783
Weight	786 g

Air Flow vs Rca ; Air Flow vs Delta P

H79PN02A 430W+70W								
Air Flow (CFM)	Thermal Resistance -01 (°C/W)	Pressure Drop (inH2O)	Power (W)	P1 (W)	P2 (W)	P1(C)	P2(C)	Ta(C)
24.96	0.134045	0.259055	501.536	431.2	70.336	83.2	85.2	25.4
30	0.121615	0.330315	498.736	428.4	70.336	77.7	79.6	25.6
35.01	0.110776	0.406299	500.936	430.6	70.336	73.6	75.5	25.9
40.07	0.101652	0.498031	500.236	429.9	70.336	69.3	71.1	25.6
50.01	0.091777	0.675197	499.636	429.3	70.336	64.8	66.6	25.4
60.04	0.084813	0.873622	498.336	428	70.336	61.5	63.3	25.2

AMD 180W Solution

Photo



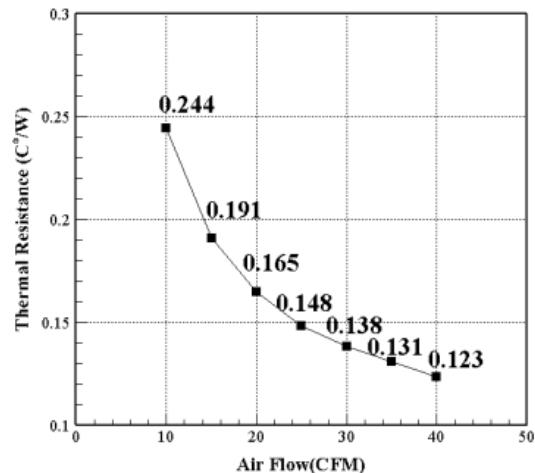
AMD-SP3-1U- HS3PS04

SPECIFICATION

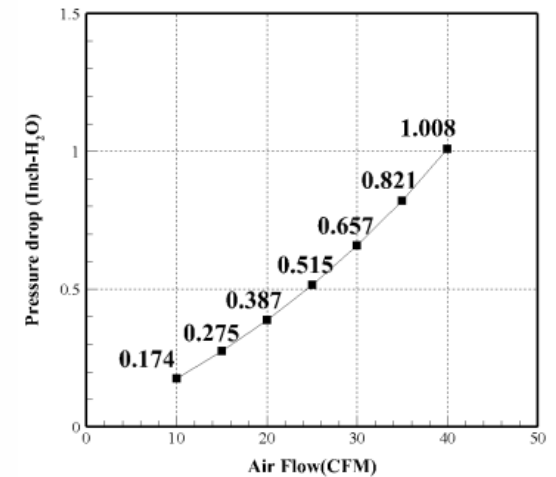


Application	AMD 1U Server and up
CPU Socket	SP3
Overall Dimensions	119mm*78.6mm*25mm
Major Integrated Part	Al-Base + 2pcs * Heat Pipe Al 1100 Fin , Stacked Fin 50 Fins , Pitch:1.58mm
TIM	Shin-Etsu X-23-7783
Installation Kit	Spring Screw

Air Flow vs Rca

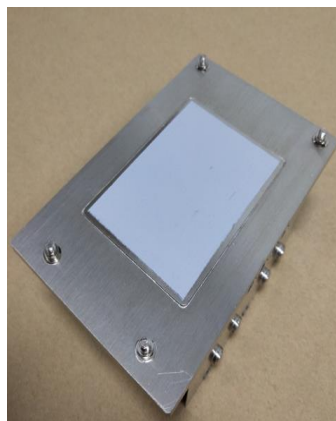


Air Flow vs ΔP



AMD 225W Solution

Photo

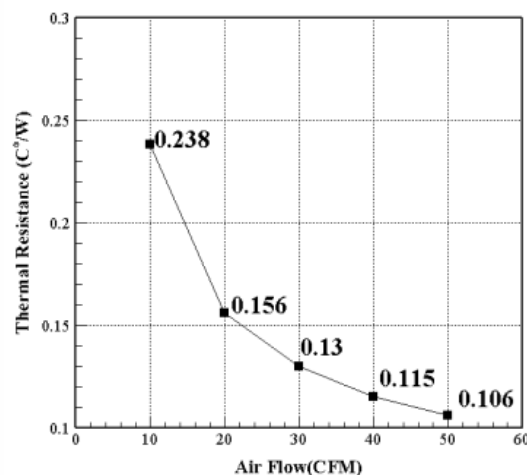


AMD-SP3-2U- HS3PS02

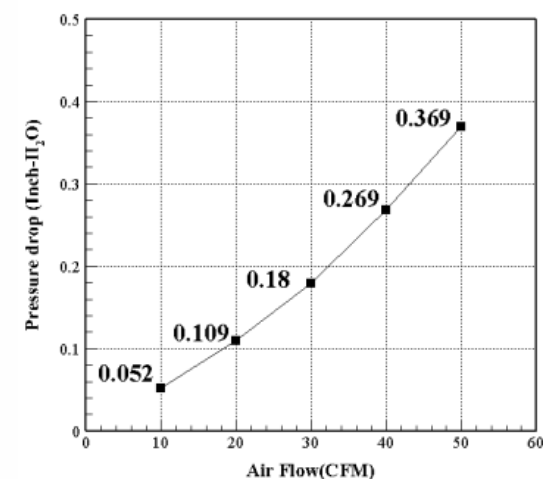
SPECIFICATION

Application	AMD 2U Server and up
CPU Socket	SP3
Overall Dimensions	119mm*78.6mm*64.1mm
Major Integrated Part	(Al + Cu)Base + 3pcs* Heat Pipe Al 1100 Fin , Stacked Fin 43 Fins , Pitch:1.8mm
TIM	Shin-Etsu X-23-7783
Installation Kit	Spring Screw

Air Flow vs Rca

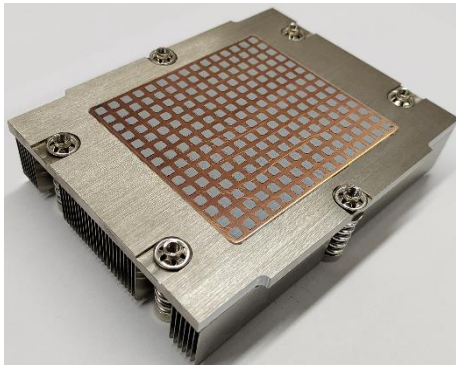
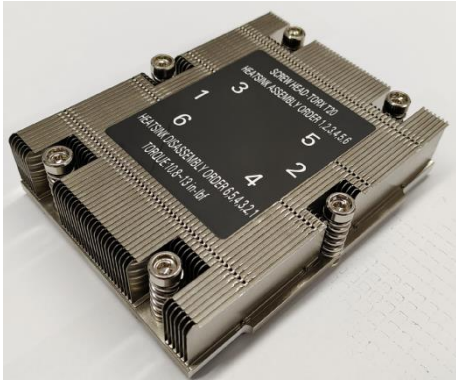


Air Flow vs ΔP



AMD 300W Solution

Photo



AMD-SP5-1U : HS5PS01A

SPECIFICATION

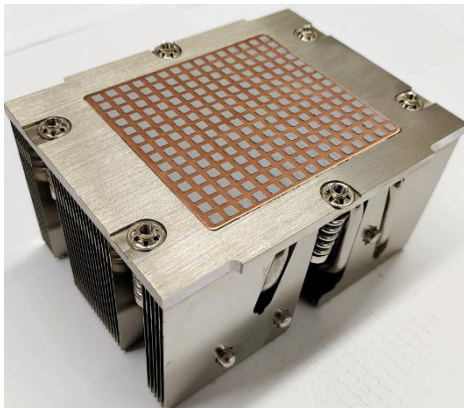
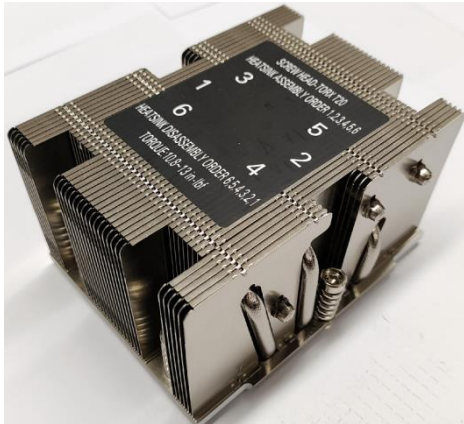
Application	AMD 1U Server and up
CPU Socket	SP5
Heat Sink	Cu C1100 Base & AL 6063 Base AL 1100 Stacked Fin, T=0.3mm 53 Fins, Pitch : 1.63mm Φ6mm Heatpipe*4 pcs
Sink Size(mm)	118mm*92.4mm*25.2mm
Mounting	Screw & Spring
TIM	Shin-Etsu X23-7921-5
Weight	N/A

Air Flow vs Rca ; Air Flow vs Delta P

Air Flow (CFM)	Power (W)	Rca (C/W)	Tc (C)	Ta (C)	ΔT (C)	Pressure Drop (mmH ₂ O)
9.98	300.5	0.2017	86.9	26.3	60.6	7.25
15.01	299.3	0.1597	73.9	26.1	47.8	12.08
20.09	299.6	0.1405	68.4	26.3	42.1	17.71
24.96	299.6	0.1275	64.8	26.6	38.2	23.96
30.04	299.5	0.1179	62.3	27	35.3	31.42
34.98	299.0	0.1100	60.3	27.4	32.9	39.86

AMD 400W Solution

Photo



AMD-SP5-2U : HS5PS02A

SPECIFICATION

Application	AMD 2U Server and up
CPU Socket	SP5
Heat Sink	Cu C1100 Base & AL 6063 Base AL 1100 Stacked Fin, T=0.4mm 43 Fins, Pitch : 2.00mm Φ6mm Heatpipe*6 pcs
Sink Size(mm)	118mm*92.4mm*64.7mm
Mounting	Screw & Spring
TIM	Shin-Etsu X23-7921-5
Weight	N/A

Air Flow vs Rca ; Air Flow vs Delta P

Air Flow (CFM)	Power (W)	Rca (C/W)	Tc (C)	Ta (C)	ΔT (C)	Pressure Drop (mmH ₂ O)
30.04	500.0	0.0981	75.0	25.9	49.1	5.37
39.97	500.0	0.0897	70.5	25.6	44.9	8.12
59.95	500.0	0.0807	66.1	25.7	40.4	14.55
80.07	500.0	0.0766	64.2	25.9	38.3	22.61
99.88	500.0	0.0734	63.1	26.4	36.7	32.20
120.05	500.0	0.0710	62.5	27	35.5	43.85
136.90	500.0	0.0693	62.4	27.7	34.7	55.12
159.71	500.0	0.0677	61.5	27.6	33.9	71.38

YEN SUN TECHNOLOGY CORPORATION

THANK YOU FOR LISTENING.

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