

# Thermal Resistance Test Report



Date: 2023/2/6  
 Engineer: Bryan



### Test Condition

Heat Flux	Pressure	Test Duration	Ambient Temp	Convection
300/350/400Watts	220.46lbf /100kgf	90 minutes	40°C	Natural Convection

### Test Data

Sample	Tc (°C)	Ta(°C)	Fan Speed (RPM)	F (kgf)	Q (W)	R (°C/W)
1	64.0	40.7	4631	100	300	0.078
2	67.5	40.9	4622	100	350	0.076
3	70.4	40.8	4643	100	400	0.074

### Test Result

Tc(°C)	R (°C/W)
64.0	0.078
67.5	0.076
70.4	0.074

Part Number:

**RGE420**

Description:

**4U CPU COOLER FOR AMD SP5  
 PROCESSORS FAN 4500RPM**

# Thermal Resistance Test Report



**NATURAL CONVECTION**



**CIRCULATING CONVECTION**

- CPU Cooler Thermal Resistance Measurement Apparatus with Natural Convection Chamber ,4 sets of 650 watts Infrared Radiation Heaters.
- Operating Temperature : Room Temperature ~ 70°C
- CPU Cooler Thermal Resistance Measurement Apparatus with Programmable temperature and humidity chamber, Through a mechanical circulation system, using fans and heating coils.
- Operating Temperature : -40°C ~ 150°C