



# APPROVAL SHEET

## CPU Coolers

SALES MODEL NO: SP994A2-B



<b>Article No. : SP-AP-SA-A164</b> <b>Issue Date : FEB 2, 2018</b> <b>Version : A/0</b>	<b>Audited by</b>
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## Approval Sheet Revisement Record

SALES MODEL NO: SP994A2-B

Article No: SP-AP-SA-A164

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## 1. Main Components List

Item	Components	Part No.	Quantity	Material
1	Heatsink	SP994A2-B	1	Cu+Al
2	775/1156/1366 Clip	SP994A2-B	1	Plastic
3	AM4 Clip	SP994A2-B	1	Plastic
4	Fan	SF09025S1M302	1	Plastic
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## 2. Features and Specifications:

### Main features:

- Aluminum High-density fin Heat Sink
- 2 thermally improved copper heat-pipes
- 92x92x25mm Sleeve bearing fan for silent operation
- heat-sink with large base for optimal heat conductivity

### Specifications:

Dimensions	Heat sink : 124*61*139 mm	
	12VDC Fan : 92X92X25 mm	
Material	AL+CU	
heatpipe	Two(2) 6mm all copper U-shaped	
Bearing	Sleeve Bearing	
Rated speed	Cooler	2000+/-10%
	Only fan	2000+/-10%
Rated power	2.16W	
Noise level	10.0~22.0dBa	
Air flow	45.26 CFM	
Current(MAX)	0.18A	
Life hours	Sleeve: 30,000 H	
Connector	3 PIN (2510)	
Application	1. Intel LGA 775/1156/1366 2. AM4	
TDP(Watt)	120 W	
Thermal resistance	0.285°C/W	

Thermal type	Stars-420	<b>Spire Corp.</b>
weight	253 g (Cooler only)	

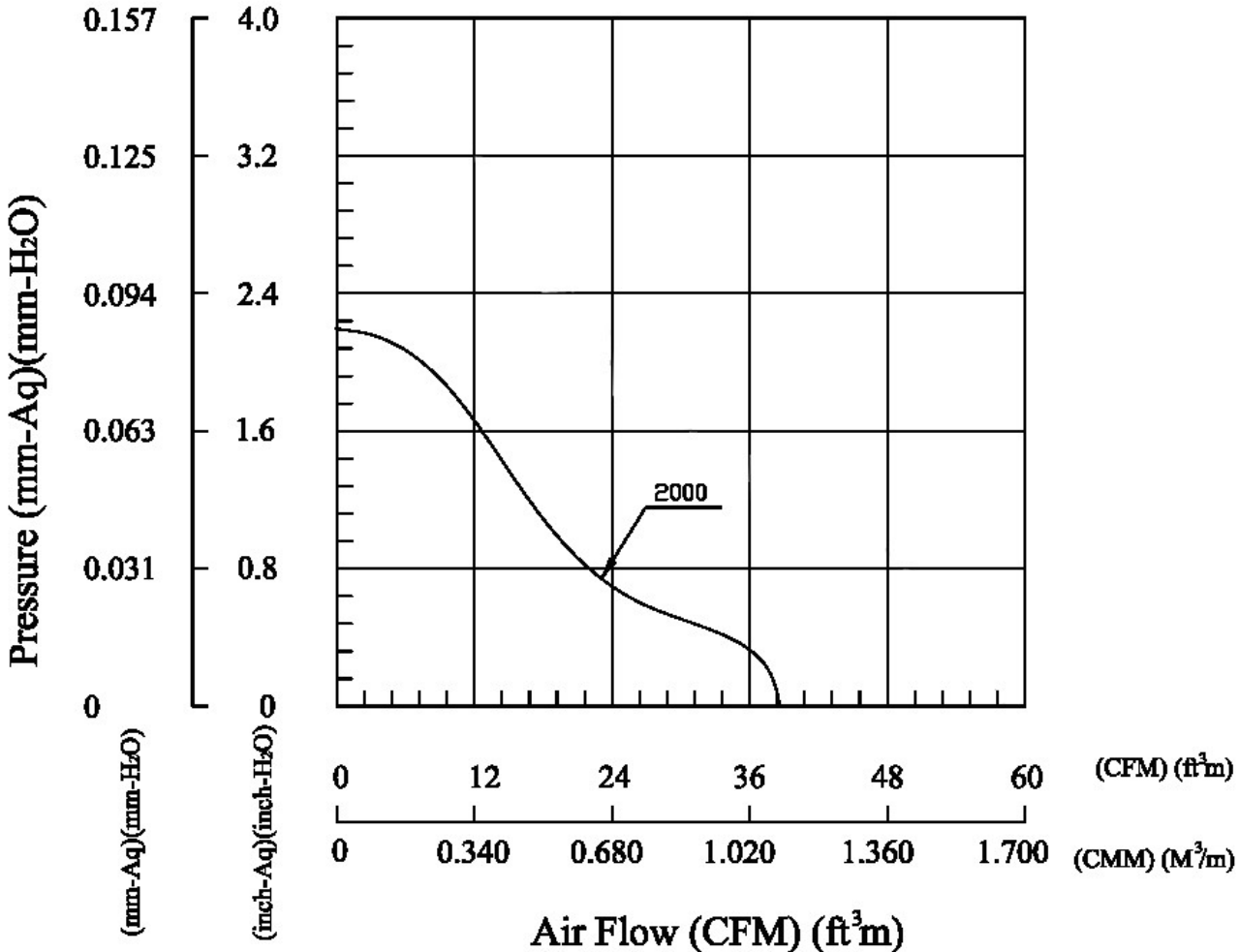
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### 3.Fan Specification:

**FAN MODEL: SF09025S1M302**

- |                            |                            |
|----------------------------|----------------------------|
| 1) Rated Voltage           | : 12V DC                   |
| 2) Operating Voltage Range | : 10.2 ~13.8VDC            |
| 3) Rated Speed(Only fan)   | : 2000RPM ±10%             |
| 4) Static Pressure         | : 2.21 mm-H <sub>2</sub> O |
| 5) Air Flow                | : 45.26CFM                 |
| 6) Rated Current(max)      | : 0.11A                    |
| 7) Rated Power             | : 1.3 WATTS                |
| 8) Noise Level             | : 10-22 dB(A)              |
| 9) Operating Temperature   | : -10 to 70 ° C            |
| 10) Storage Temperature    | : -40 to 70 °C             |
| 11) Bearing System         | : Sleeve Bearing           |
| 12) Connector              | : 3 PIN (2510)             |
| 13) Weight                 | : 375 g                    |

4. P&Q Characteristic curves



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## 5. Correlative Certification compliance

Item #	Certification type	Certification Number	Certification listing	Remark
1	EMC	BCT07LC-807E	www.bontek.com.cn	
2	LVD	BCT07LC-807S	www.bontek.com.cn	
3	FCC	ASZ08041007FK	www.aovt.com	
4	ROHS	GZ0803038947A/CHEM	www.rohs.cn.com	
5	TUV	R50131773	www.sz.chn.tuv.com	



6. IMAGES

