



**Data centers can save 9% in energy costs for every 1°C increase in server inlet temperature!**

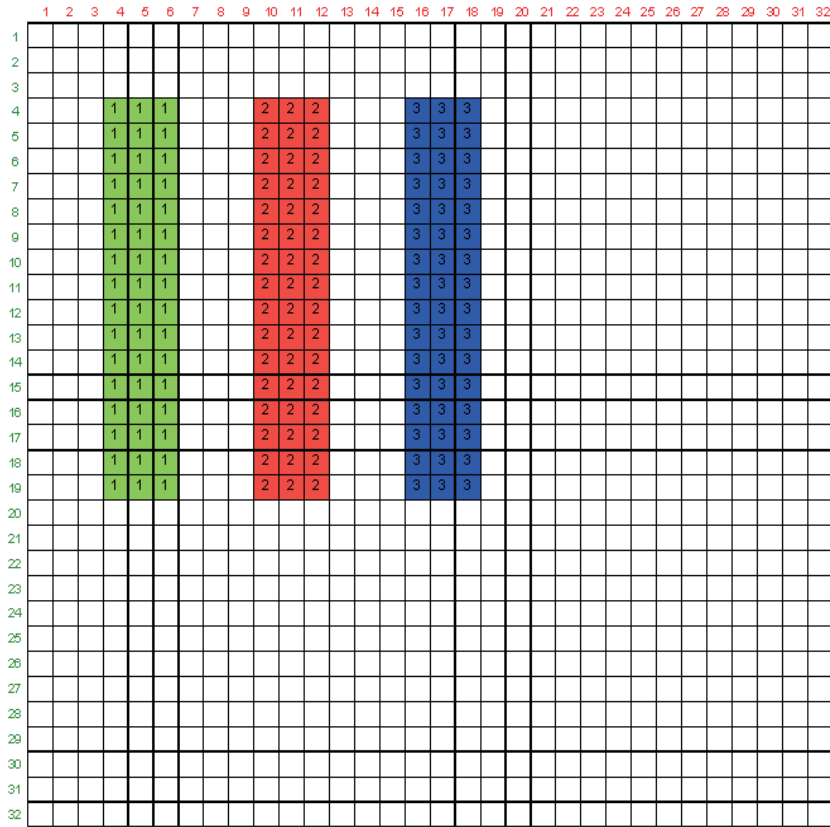


### Rack Inlet Air Temperature

Location: Data Center      Date: 01.10.2022  
Report ID: 445      Measurement Count: 304,790

**Floor Map**

Standard Deviation ( $\sigma$ ) In °C: 0.25°C 0.96°C



**ThermAssess™ routinely identifies over 20% potential energy savings in data centers by correcting thermal imbalances.**

**ThermAssess™ is quick and cost effective. First our technician performs a high resolution temperature scan of rack inlets. Next we email you the comprehensive ThermAssess™ report.**

**We offer the following thermal maps:**

- Surface Temperature
- 3D Air Temperature

**Rack Inlet Air Temperature Metrics**

Object:	AVG:	Range (AVG $\pm$ 3 $\sigma$ ):	SD ( $\sigma$ ):	Change:	Potential Savings:
1/Containment 1	23.14°C	21.39 - 24.8°C	0.58 °C	+ 2.1°C	18.93%
2/Containment 2	23.84°C	20.97 - 26.72°C	0.96 °C	+ 0.28°C	2.56%
3/Containment 3	22.41°C	21.65 - 23.18°C	0.25 °C	+ 3.82°C	34.41%

**Rack Inlet Air Temperature Distribution**

Object:	-3 $\sigma$	-2 $\sigma$	-1 $\sigma$	0 $\sigma$	1 $\sigma$	2 $\sigma$	3 $\sigma$
1/Containment 1	21.4-22°C	22-22.6°C	22.6-23.1°C	23.1-23.7°C	23.7-24.3°C	24.3-24.9°C	24.9-25.5°C
2/Containment 2	21-21.9°C	21.9-22.9°C	22.9-23.8°C	23.8-24.8°C	24.8-25.8°C	25.8-26.7°C	26.7-27.7°C
3/Containment 3	21.6-21.9°C	21.9-22.2°C	22.2-22.4°C	22.4-22.7°C	22.7-22.9°C	22.9-23.2°C	23.2-23.5°C

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