

Customer Contractor Services

Data Center Rack Report

Server Racks

Rack #	CSG Analysis			Industry Standard Specs for Racks / Cabinets			Determination		
	Power (Amps)	Heat (BTU / HR)	Rack Weight (lbs)	Power (Amps)	Heat (BTU / HR)	Rack Weight (lbs)	Power (Amps)	Heat (BTU / HR)	Rack Weight (lbs)
A-1	52.5	23542.4	985.6	40.0	16392.0	1000.0	Out of Spec	Out of Spec	OK
A-2	61.6	23761.6	1080.0	40.0	16392.0	1000.0	Out of Spec	Out of Spec	Out of Spec
A-3	45.9	26631.0	1089.0	40.0	16392.0	1000.0	Out of Spec	Out of Spec	Out of Spec
A-4	0.3	7748.0	421.5	40.0	16392.0	1000.0	OK	OK	OK
A-5	47.8	20984.6	747.9	40.0	16392.0	1000.0	Out of Spec	Out of Spec	OK
A-6	26.7	12333.2	607.0	40.0	16392.0	1000.0	OK	OK	OK
A-7	76.6	31659.0	1152.0	40.0	16392.0	1000.0	Out of Spec	Out of Spec	Out of Spec
A-8	48.8	16735.0	424.0	40.0	16392.0	1000.0	Out of Spec	Out of Spec	OK
A-9	24.2	7144.4	644.0	40.0	16392.0	1000.0	OK	OK	OK
B-1	0.0	0.0	0.0	40.0	16392.0	1000.0	OK	OK	OK
B-2	63.5	25562.4	1096.0	40.0	16392.0	1000.0	Out of Spec	Out of Spec	Out of Spec
B-3	42.3	17325.0	585.0	40.0	16392.0	1000.0	Out of Spec	Out of Spec	OK
B-4	57.0	21356.2	660.0	40.0	16392.0	1000.0	Out of Spec	Out of Spec	OK
B-5	33.3	13640.0	350.0	40.0	16392.0	1000.0	OK	OK	OK
B-6	51.3	22307.4	904.2	40.0	16392.0	1000.0	Out of Spec	Out of Spec	OK
B-7	22.0	6804.0	434.9	40.0	16392.0	1000.0	OK	OK	OK
B-8	13.3	5456.0	140.0	40.0	16392.0	1000.0	OK	OK	OK

Network Racks

Rack #	CSG Analysis			Industry Standard Specs for Racks / Cabinets			Determination		
	Power (Amps)	Heat (BTU / HR)	Rack Weight (lbs)	Power (Amps)	Heat (BTU / HR)	Rack Weight (lbs)	Power (Amps)	Heat (BTU / HR)	Rack Weight (lbs)
Left Rack	18.3	12904.4	338.5	40.0	16392.0	1000.0	OK	OK	OK
Left-Center Rack	6.0	2680.0	93.0	40.0	16392.0	1000.0	OK	OK	OK
Center Rack	16.1	10122.0	161.0	40.0	16392.0	1000.0	OK	OK	OK
Right-Center Rack	28.8	5588.2	218.0	40.0	16392.0	1000.0	OK	OK	OK
Right Rack	16.3	0.0	367.6	40.0	16392.0	1000.0	OK	OK	OK

Total BTU's: A Racks: 170539.2
 B Racks: 112451.0
 Network Racks: 31294.6
Total: 314284.8

Tons of Sensible Air Needed for Cooling:

A Racks: 14.2
 B Racks: 9.4
 Network Racks: 2.6
Total: 26.2

Total Amps: A Racks: 384.3
 B Racks: 282.7
 Network Racks: 85.5
Total: 752.5

Average Weight Per-Rack:

A Racks: 794.6
 B Racks: 521.3
 Network Racks: 235.6

Note: The average per-rack weight for the B Racks would be 595.7 lbs if Rack B-1 was not included in the evaluation