

**Topic:** R1200 Current Draw with 3.2 GHz Processors  
**Component(s) Affected:** R1200 Blade PC  
**Date:** January 30, 2004

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## OVERVIEW / ENVIRONMENT

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When a Cage is used with a 100 VAC line supply, and is populated with eight R1200 Blades with 3.2GHz Northwood processors or faster, the total current draw is greater than 10 amps. This exceeds the maximum current-carrying capacity of some Cages.

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## DETAILED DESCRIPTION

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Tests show that eight R1200s, populated with 3.2GHz Northwood processors or faster, and running certain test programs, could draw in excess of 13 amps in 100VAC cages. If the cage is rated at 10 amps, this would be considered a TUV violation, as the current draw is more than 110% of the rating.

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## RESOLUTION

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It is recommended that R1200s be deployed only in:

- Cages rated at 12 amps (Cages rated at 10 amps can be upgraded to 12 amps)
- Cages rated at 10 amps, if the input AC voltage to the cage is 120V or greater
- Fewer than eight R1200s in 10 amp, 100VAC cages, if processors at 3.2GHz or faster are populated.

For more information, please contact ClearCube technical support.

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