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Macintosh AV: Power Budget for Internal SCSI Devices (4/95)

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TOPIC -----

I would like to install a 3rd party 2GB SCSI drive in a Quadra 840AV. It dissipates 15W of heat and I'm worried that this might be too much for the Quadra 840AV. Is this within spec ?

I know (from the 3rd party drive manufacturer) that the current draw is 0.7A on the 5V and 12V lines, but the issue is with heat.

DISCUSSION -----

The maximum continuous power budgets available for each internal SCSI device attached to a Macintosh Quadra 840AV or Macintosh Centris/Quadra 660AV computer is shown below.

Computer	+5 V	+12 V
Quadra 840AV	1.5 A	4.3 A
Centris/Quadra 660AV	1.5 A	1.5 A

From a power supply point of view, Apple has had 15 watts as the maximum power specification for large hard drives. From a cooling standpoint, it shouldn't be a problem, unless the drive has a very high specific air flow requirement for cooling. If you are running the system in a standard office environment (65F to 80F), there should not be any problems.

Apple recommends you contact the 3rd party drive manufacturer, using the above Apple power budget information, and check to see if the drive is within specification.

Article Change History:

12 Apr 1995 - Clarified that power budgeted is for internal devices.

23 Dec 1993 - Revised Article to include all AV models.

Support Information Services

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