



Updated January 2026

Product type

Storage controller in a Storage Shelf

Manufacturer's name, registered trade name, and registered address

NetApp  
NetApp, Inc.  
3060 Olsen Drive  
San Jose, CA 95128  
United States  
+1 408-822-6000

Product model number

NAF-1704

Marketing model Number

AFF A70, AFF A90, ASA A70, ASA A90, AFF C80

First year of manufacture

2024

PSU efficiency

Load percentage	PS-2202-10E PSU efficiency	DCJ20002-03
10%	93.48%	91.54%
20%	95.52%	94.68%
50%	96.12%	96.17%
100%	94.11%	94.20%
Average efficiency	95.25%	95.02%
Power Factor at 50% load	0.9944	0.9972

PSU efficiency beginning January 1, 2026

Load percentage	TDPS-1600NB A PSU efficiency	
10%	90.41%	
20%	94.69%	
50%	96.32%	
100%	95.48%	
Average efficiency	91.14%	
Power Factor at 50% load	0.9908	

Declared ASHRAE operating condition class

ASHRAE rating	A2
Operating temperature range	10 to 35 degrees C
Recommended operating range	18 to 27 degrees C
Allowable operating relative humidity	-12°C DP and 8% to 21°C DP and 80%
Recommended operating relative humidity	-9°C DP to 15°C DP and 60%
Maximum Dew Point	21
Maximum rate of change (°C/hr)	5/20



Material ease of disassembly for repair or reuse

FAS and AFF: <https://docs.netapp.com/platstor/index.jsp>

Neodymium in HDDs

No Hard Drives

Cobalt in Li-Ion Batteries

All Li-Ion Cells have less than 5g

All Li-Ion Battery Packs have between 5g and 25g



Secure data deletion information: AFF and ASA

[Security Hardening Guide for NetApp ONTAP 9](#) (page 18)

Starting with ONTAP 9.4, you can use the secure-purge feature with advanced privilege to nondisruptively “scrub” data on NVE-enabled volumes. Scrubbing data on an encrypted volume ensures that it cannot be recovered from the physical media. The following command securely purges the deleted files on vol1 on SVM vs1: cluster1::> volume encryption secure-purge start -vserver vs1 -volume vol1 Starting with ONTAP 9.7, NAE and NVE are enabled by default. If the VE license is in place, either OKM or external key managers are configured, and NSE is not used, then NAE and NVE are enabled by default. NAE volumes are created by default on NAE aggregates, and NVE volumes are created by default on non-NAE aggregates. This can be overridden by entering the following command: cluster1::\*> options -option-name encryption.data\_at\_rest\_encryption.disable\_by\_default true For more information about NSE, NVE, NAE, OKM, and external KMIP servers, see NetApp Encryption Power Guide in the ONTAP 9 Documentation Center.

[Clean up data spills quickly with NetApp secure\\_purge - analyst review](#)

Firmware and Security Updates

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