INTERPRETING THESE MEASUREMENTS

The headings for the electrical requirements tables are defined as follows:

 • Worst-case - Power consumption with system running on one PSU, high fan speed and power distributed over one power cord. DS4xxx disk shelves are an exception, in that they require two PSUs.

 • Per PSU - Typical power needs, per PSU, for a system operating under normal conditions.

 • System - Typical total power needs for two PSUs in a system operating under normal condition and power distributed over two power cords or four power cords for DS4243 disk shelves.

HOW THESE MEASUREMENTS ARE MADE

These published system measurements are conservative. The following assumptions, conditions and observations apply to these measurements:

 • Line voltage is either 100V AC, 200V AC or -48V DC.

 • Current and power are steady state rms values.

 • Heat dissipation in BTU/hour is based on Watts multiplied by 3.4129

 • Measurements are taken at room ambient.

 • Data is collected for each individual controller, controller module, or disk shelf, not for clustered systems or other combinations. Except for platforms that have two controllers in one chassis.

 • Each disk shelf is fully populated with a particular drive type and speed and exercised with multiple threads of a disk stress test program.

 • Controllers or controller modules with PCI slots are fully populated and are exercised with test program.

 • To account for customer work loads that exceed these conditions, the total system workload is calculated using random read disk_qual to obtain electrical current, power, and heat dissipation

Size, Weight, Acoustic, Power

FAS2720 ONTAP 9.7

Associated Part No.	Configuration	Rack Units	Weight	Sound Power	Sound Pressure	Line Voltage Actual	Amps Typical	Amps Worst	Watts Typical	Watts Worst	BTU/Hr Typical	BTU/Hr Worst
Embedded Drive Config (Empty)												
FAS2720-100-C	FAS2720,Zero Drive,-	2	41.2 lb (18.7 kg)	6.7 Bels	51 dBA	100	2.53	3.42	247	335	843	1144
FAS2720-100-C	FAS2720,Zero Drive,-	2	41.2 lb (18.7 kg)	6.7 Bels	51 dBA	200	1.24	1.68	243	329	830	1123
FAS2720-100-C	FAS2720,Zero Drive,-	2	41.2 lb (18.7 kg)	6.7 Bels	51 dBA	100	2.53	3.42	247	335	843	1144
FAS2720-100-C	FAS2720,Zero Drive,-	2	41.2 lb (18.7 kg)	6.7 Bels	51 dBA	200	1.24	1.68	243	329	830	1123
Embedded Drive Config (Full)												
FAS2720-101-C	FAS2720,12x2TB, 7.2K,-	2	59.1 lb (26.8 kg)	6.7 Bels	51 dBA	100	3.65	4.55	357	445	1219	1519
FAS2720-101-C	FAS2720,12x2TB, 7.2K,-	2	59.1 lb (26.8 kg)	6.7 Bels	51 dBA	200	1.79	2.23	350	437	1195	1492
FAS2720-101-C	FAS2720,12x2TB, 7.2K,-	2	59.1 lb (26.8 kg)	6.7 Bels	51 dBA	100	3.65	4.55	357	445	1219	1519
FAS2720-101-C	FAS2720,12x2TB, 7.2K,-	2	59.1 lb (26.8 kg)	6.7 Bels	51 dBA	200	1.79	2.23	350	437	1195	1492
FAS2720-102-C	FAS2720,12x4TB, 7.2K,-	2	61.1 lb (27.7 kg)	6.7 Bels	51 dBA	100	4.14	5.04	405	493	1383	1683
FAS2720-102-C	FAS2720,12x4TB, 7.2K,-	2	61.1 lb (27.7 kg)	6.7 Bels	51 dBA	200	2.03	2.47	397	484	1355	1652
FAS2720-102-C	FAS2720,12x4TB, 7.2K,-	2	61.1 lb (27.7 kg)	6.7 Bels	51 dBA	100	4.14	5.04	405	493	1383	1683
FAS2720-102-C	FAS2720,12x4TB, 7.2K,-	2	61.1 lb (27.7 kg)	6.7 Bels	51 dBA	200	2.03	2.47	397	484	1355	1652
FAS2720-103-C	FAS2720,12x8TB, 7.2K,-	2	63.5 lb (28.8 kg)	6.7 Bels	51 dBA	100	4.18	5.07	409	496	1396	1693
FAS2720-103-C	FAS2720,12x8TB, 7.2K,-	2	63.5 lb (28.8 kg)	6.7 Bels	51 dBA	200	2.05	2.49	401	487	1369	1663
FAS2720-103-C	FAS2720,12x8TB, 7.2K,-	2	63.5 lb (28.8 kg)	6.7 Bels	51 dBA	100	4.18	5.07	409	496	1396	1693
FAS2720-103-C	FAS2720,12x8TB, 7.2K,-	2	63.5 lb (28.8 kg)	6.7 Bels	51 dBA	200	2.05	2.49	401	487	1369	1663
FAS2720-104-C	FAS2720,12x10TB ,7.2K,-	2	60.4 lb (27.4 kg)	6.7 Bels	51 dBA	100	3.92	4.82	384	472	1311	1611
FAS2720-104-C	FAS2720,12x10TB ,7.2K,-	2	60.4 lb (27.4 kg)	6.7 Bels	51 dBA	200	1.93	2.37	377	463	1287	1581
FAS2720-104-C	FAS2720,12x10TB ,7.2K,-	2	60.4 lb (27.4 kg)	6.7 Bels	51 dBA	100	3.92	4.82	384	472	1311	1611
FAS2720-104-C	FAS2720,12x10TB ,7.2K,-	2	60.4 lb (27.4 kg)	6.7 Bels	51 dBA	200	1.93	2.37	377	463	1287	1581
FAS2720-105-C	FAS2720,12x10TB ,7.2K,NSE,-	2	60.4 lb (27.4 kg)	6.7 Bels	51 dBA	100	3.92	4.82	384	472	1311	1611
FAS2720-105-C	FAS2720,12x10TB ,7.2K,NSE,-	2	60.4 lb (27.4 kg)	6.7 Bels	51 dBA	200	1.93	2.37	377	463	1287	1581
FAS2720-105-C	FAS2720,12x10TB ,7.2K,NSE,-	2	60.4 lb (27.4 kg)	6.7 Bels	51 dBA	100	3.92	4.82	384	472	1311	1611
FAS2720-105-C	FAS2720,12x10TB ,7.2K,NSE,-	2	60.4 lb (27.4 kg)	6.7 Bels	51 dBA	200	1.93	2.37	377	463	1287	1581
FAS2720-115-C	FAS2720,12x16TB ,7.2K,-	2	60.6 lb (27.5 kg)	6.7 Bels	51 dBA	100	3.89	4.79	381	469	1301	1601
FAS2720-115-C	FAS2720,12x16TB ,7.2K,-	2	60.6 lb (27.5 kg)	6.7 Bels	51 dBA	200	1.91	2.35	374	460	1277	1570
FAS2720-115-C	FAS2720,12x16TB ,7.2K,-	2	60.6 lb (27.5 kg)	6.7 Bels	51 dBA	100	3.89	4.79	381	469	1301	1601
FAS2720-115-C	FAS2720,12x16TB ,7.2K,-	2	60.6 lb (27.5 kg)	6.7 Bels	51 dBA	200	1.91	2.35	374	460	1277	1570
Embedded Drive Config (Mixed)												
FAS2720-106-C	FAS2720,4x960GB SSD,8x2TB,Mixed,-	2	55.1 lb (25.0 kg)	6.7 Bels	51 dBA	100	3.80	4.70	372	460	1270	1570
FAS2720-106-C	FAS2720,4x960GB SSD,8x2TB,Mixed,-	2	55.1 lb (25.0 kg)	6.7 Bels	51 dBA	200	1.87	2.31	365	451	1246	1540

FAS2720-106-C	FAS2720,4x960GB SSD,8x2TB,Mixed,-	2	55.1 lb (25.0 kg)	6.7 Bels	51 dBA	100	3.80	4.70	372	460	1270	1570
FAS2720-106-C	FAS2720,4x960GB SSD,8x2TB,Mixed,-	2	55.1 lb (25.0 kg)	6.7 Bels	51 dBA	200	1.87	2.31	365	451	1246	1540
FAS2720-107-C	FAS2720,4x960GB SSD,8x4TB,Mixed,-	2	56.4 lb (25.6 kg)	6.7 Bels	51 dBA	100	4.05	4.94	396	484	1352	1652
FAS2720-107-C	FAS2720,4x960GB SSD,8x4TB,Mixed,-	2	56.4 lb (25.6 kg)	6.7 Bels	51 dBA	200	1.99	2.43	389	475	1328	1622
FAS2720-107-C	FAS2720,4x960GB SSD,8x4TB,Mixed,-	2	56.4 lb (25.6 kg)	6.7 Bels	51 dBA	100	4.05	4.94	396	484	1352	1652
FAS2720-107-C	FAS2720,4x960GB SSD,8x4TB,Mixed,-	2	56.4 lb (25.6 kg)	6.7 Bels	51 dBA	200	1.99	2.43	389	475	1328	1622
FAS2720-108-C	FAS2720,4x960GB SSD,8x8TB,Mixed,-	2	58.0 lb (26.3 kg)	6.7 Bels	51 dBA	100	4.07	4.96	398	486	1359	1659
FAS2720-108-C	FAS2720,4x960GB SSD,8x8TB,Mixed,-	2	58.0 lb (26.3 kg)	6.7 Bels	51 dBA	200	2.00	2.44	391	477	1335	1628
FAS2720-108-C	FAS2720,4x960GB SSD,8x8TB,Mixed,-	2	58.0 lb (26.3 kg)	6.7 Bels	51 dBA	100	4.07	4.96	398	486	1359	1659
FAS2720-108-C	FAS2720,4x960GB SSD,8x8TB,Mixed,-	2	58.0 lb (26.3 kg)	6.7 Bels	51 dBA	200	2.00	2.44	391	477	1335	1628
FAS2720-109-C	FAS2720,4x960GB SSD,8x10TB,Mixed,-	2	56.0 lb (25.4 kg)	6.7 Bels	51 dBA	100	3.90	4.80	382	470	1304	1605
FAS2720-109-C	FAS2720,4x960GB SSD,8x10TB,Mixed,-	2	56.0 lb (25.4 kg)	6.7 Bels	51 dBA	200	1.92	2.36	375	461	1280	1574
FAS2720-109-C	FAS2720,4x960GB SSD,8x10TB,Mixed,-	2	56.0 lb (25.4 kg)	6.7 Bels	51 dBA	100	3.90	4.80	382	470	1304	1605
FAS2720-109-C	FAS2720,4x960GB SSD,8x10TB,Mixed,-	2	56.0 lb (25.4 kg)	6.7 Bels	51 dBA	200	1.92	2.36	375	461	1280	1574
FAS2720-111-C	FAS2720,4x3.8TB SSD,8x4TB,Mixed,-	2	56.4 lb (25.6 kg)	6.7 Bels	51 dBA	100	4.08	4.97	399	487	1362	1663
FAS2720-111-C	FAS2720,4x3.8TB SSD,8x4TB,Mixed,-	2	56.4 lb (25.6 kg)	6.7 Bels	51 dBA	200	2.00	2.44	392	478	1338	1632
FAS2720-111-C	FAS2720,4x3.8TB SSD,8x4TB,Mixed,-	2	56.4 lb (25.6 kg)	6.7 Bels	51 dBA	100	4.08	4.97	399	487	1362	1663
FAS2720-111-C	FAS2720,4x3.8TB SSD,8x4TB,Mixed,-	2	56.4 lb (25.6 kg)	6.7 Bels	51 dBA	200	2.00	2.44	392	478	1338	1632
FAS2720-112-C	FAS2720,4x3.8TB SSD,8x8TB,Mixed,-	2	58.0 lb (26.3 kg)	6.7 Bels	51 dBA	100	4.11	5.00	402	490	1372	1673
FAS2720-112-C	FAS2720,4x3.8TB SSD,8x8TB,Mixed,-	2	58.0 lb (26.3 kg)	6.7 Bels	51 dBA	200	2.02	2.46	394	481	1345	1642
FAS2720-112-C	FAS2720,4x3.8TB SSD,8x8TB,Mixed,-	2	58.0 lb (26.3 kg)	6.7 Bels	51 dBA	100	4.11	5.00	402	490	1372	1673
FAS2720-112-C	FAS2720,4x3.8TB SSD,8x8TB,Mixed,-	2	58.0 lb (26.3 kg)	6.7 Bels	51 dBA	200	2.02	2.46	394	481	1345	1642
FAS2720-116-C	FAS2720,4x960GB SSD,8x16TB,Mixed,-	2	54.9 lb (24.9 kg)	6.7 Bels	51 dBA	100	3.63	4.53	355	443	1212	1512
FAS2720-116-C	FAS2720,4x960GB SSD,8x16TB,Mixed,-	2	54.9 lb (24.9 kg)	6.7 Bels	51 dBA	200	1.78	2.22	348	435	1188	1485
FAS2720-116-C	FAS2720,4x960GB SSD,8x16TB,Mixed,-	2	54.9 lb (24.9 kg)	6.7 Bels	51 dBA	100	3.63	4.53	355	443	1212	1512

FAS2720-116-C	FAS2720,4x960GB SSD,8x16TB,Mixed,-	2	54.9 lb (24.9 kg)	6.7 Bels	51 dBA	200	1.78	2.22	348	435	1188	1485
FAS2720-117-C	FAS2720,4x3.8TB SSD,8x16TB,Mixed,-	2	54.9 lb (24.9 kg)	6.7 Bels	51 dBA	100	3.63	4.53	355	443	1212	1512
FAS2720-117-C	FAS2720,4x3.8TB SSD,8x16TB,Mixed,-	2	54.9 lb (24.9 kg)	6.7 Bels	51 dBA	200	1.78	2.22	348	435	1188	1485
FAS2720-117-C	FAS2720,4x3.8TB SSD,8x16TB,Mixed,-	2	54.9 lb (24.9 kg)	6.7 Bels	51 dBA	100	3.63	4.53	355	443	1212	1512
FAS2720-117-C	FAS2720,4x3.8TB SSD,8x16TB,Mixed,-	2	54.9 lb (24.9 kg)	6.7 Bels	51 dBA	200	1.78	2.22	348	435	1188	1485