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	FAS2040 Single Chassis HA Pair	FAS2040 Single Node	FAS2220 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	136	136	60
Max Number of Internal Drives	12	12	12
Max Number of FC Drives	112	112	N/A
Max Number of MSATA Drives	N/A	N/A	N/A
Max Number of NL-SAS Drives	N/A	N/A	60
Max Number of SAS Drives	108	108	60
Max Number of SATA Drives	136	136	60
Max Number of SSD Drives	N/A	N/A	60
Max Number of DS12-ESAS Shelves	1 internal	1 internal	N/A
Max Number of DS14-Mk2-AT Shelves	8 external	8 external	N/A
Max Number of DS14-Mk2-FC Shelves	8 external	8 external	N/A
Max Number of DS14-Mk4-FC Shelves	8 external	8 external	N/A
Max Number of DS2126 Shelves	N/A	N/A	1 internal
Max Number of DS2246 Shelves	4 external	4 external	2 external
Max Number of DS4243 Shelves	4 external	4 external	2 external
Max Number of DS4246 Shelves	4 external	4 external	2 external
Max Number of DS4486 Shelves	N/A	N/A	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

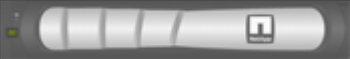
	FAS2040 Single Chassis HA Pair	FAS2040 Single Node	FAS2220 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	132 GiB	132 GiB	162 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	32-bit 2-core	32-bit 2-core	64-bit 2-core with HT
Processor Architecture	32 bit	32 bit	64 bit
Processor Speed	1.67 Ghz	1.67 Ghz	1.73 Ghz
Processor Count (Per Node)	1	1	1
Processor Count (Per Config)	2	1	2
Processor Cores (Per CPU)	2	2	2
Processor Cores (Per Node)	2	2	2
Processor Cores (Per Config)	4	2	4
Memory			
NVMEM (Per Node)	0 GB	0 GB	0 GB
NVMEM (Per Config)	1 GB	0 GB	1 GB
NVRAM (Per Node)	N/A	N/A	N/A
NVRAM (Per Config)	N/A	N/A	N/A
RAM (Per Node)	4 GB	4 GB	6 GB
RAM (Per Config)	8 GB	4 GB	12 GB
Onboard Ports			
Ethernet Ports	8 x RJ45 (1Gb)	4 x RJ45 (1Gb)	8 x RJ45 (1Gb)
Fibre Channel Ports	4 x SFP (4Gb)	2 x SFP (4Gb)	-
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	-	-	2 x Mezzanine
SAS Ports	2 x QSFP (3Gb)	1 x QSFP (3Gb)	4 x QSFP (6Gb)
Physical Characteristics			
Rack Units	2	2	2
Chassis Height	3.5" (8.9 cm)	3.5" (8.9 cm)	3.42" (8.68 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.6" (44.7 cm)	17.6" (44.7 cm)	17.61" (44.72 cm)
Chassis Depth with Cable Mgmt	22.52" (57.2 cm)	22.52" (57.2 cm)	23.95" (60.83 cm)
Chassis Depth without Cable Mgmt	-	-	19.85" (50.42 cm)
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	6.03" (15.3 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	30.02" (76.2 cm)
Rear Clearance (Maintenance)	36.01" (91.4 cm)	36.01" (91.4 cm)	30.02" (76.2 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

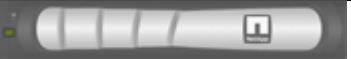
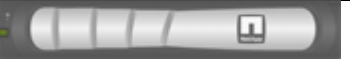
	FAS2040 Single Chassis HA Pair	FAS2040 Single Node	FAS2220 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 140 deg F -40 to 60 deg C	-40 to 140 deg F -40 to 60 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 140 deg F -40 to 60 deg C	-40 to 140 deg F -40 to 60 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	5 to 95 %
Transit Relative Humidity	-	-	5 to 95 %
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	-	-	-
Acoustic Noise - Sound Pressure	60 dBA	60 dBA	52.9 dBA
Input Power Voltage	100 to 120	100 to 120	100 to 120
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1.1RC1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	N/A	N/A	8.3, 8.2.0, 8.2*
Service Processor Firmware	N/A	N/A	2.1.3P2, 2.1.3
Product Standards Compliance			
Certifications EMC/EMI			AS/NZS, FCC, ICES, KCC, VCCI
Certifications safety			BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS
Certifications Safety/EMC/EMI			EAC, UKRSEPRO
Certifications Safety/EMC/EMI/RoHS			BSMI, CE
Standards EMC/EMI			CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3
Standards Safety			ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1
System Availability & Support			
Release Date	-	-	Jun 2012
End of Availability (EOA)	02-Nov-2012	02-Nov-2012	23-Mar-2015
End of Support (EOS)	31-Dec-2017	31-Dec-2017	30-Mar-2021
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

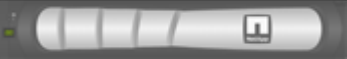
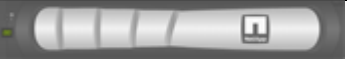
Specifications	FAS2040 Single Chassis HA Pair	FAS2040 Single Node	FAS2220 Single Chassis HA Pair
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

	FAS2040 Single Chassis HA Pair	FAS2040 Single Node	FAS2220 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

	FAS2220 Single Node	FAS2240-2 Single Chassis HA Pair	FAS2240-2 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	60	144	144
Max Number of Internal Drives	12	24	24
Max Number of FC Drives	N/A	84	84
Max Number of MSATA Drives	N/A	N/A	N/A
Max Number of NL-SAS Drives	60	120	120
Max Number of SAS Drives	60	144	144
Max Number of SATA Drives	60	120	120
Max Number of SSD Drives	60	96	96
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	N/A	6 external	6 external
Max Number of DS14-Mk2-FC Shelves	N/A	6 external	6 external
Max Number of DS14-Mk4-FC Shelves	N/A	6 external	6 external
Max Number of DS2126 Shelves	1 internal	N/A	N/A
Max Number of DS2246 Shelves	2 external	1 internal + 5 external	1 internal + 5 external
Max Number of DS4243 Shelves	2 external	5 external	5 external
Max Number of DS4246 Shelves	2 external	5 external	5 external
Max Number of DS4486 Shelves	N/A	N/A	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

	FAS2220 Single Node	FAS2240-2 Single Chassis HA Pair	FAS2240-2 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	162 GiB	162 GiB	162 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 2-core with HT	64-bit 2-core with HT	64-bit 2-core with HT
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	1.73 Ghz	1.73 Ghz	1.73 Ghz
Processor Count (Per Node)	1	1	1
Processor Count (Per Config)	1	2	1
Processor Cores (Per CPU)	2	2	2
Processor Cores (Per Node)	2	2	2
Processor Cores (Per Config)	2	4	2
Memory			
NVMEM (Per Node)	0 GB	0 GB	0 GB
NVMEM (Per Config)	0 GB	1 GB	0 GB
NVRAM (Per Node)	N/A	N/A	N/A
NVRAM (Per Config)	N/A	N/A	N/A
RAM (Per Node)	6 GB	6 GB	6 GB
RAM (Per Config)	6 GB	12 GB	6 GB
Onboard Ports			
Ethernet Ports	4 x RJ45 (1Gb)	8 x RJ45 (1Gb)	4 x RJ45 (1Gb)
Fibre Channel Ports	-	-	-
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	1 x Mezzanine	2 x Mezzanine	1 x Mezzanine
SAS Ports	2 x QSFP (6Gb)	4 x QSFP (6Gb)	2 x QSFP (6Gb)
Physical Characteristics			
Rack Units	2	2	2
Chassis Height	3.42" (8.68 cm)	3.34" (8.49 cm)	3.34" (8.49 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.61" (44.72 cm)	17.61" (44.72 cm)	17.61" (44.72 cm)
Chassis Depth with Cable Mgmt	23.95" (60.83 cm)	23.13" (58.75 cm)	23.13" (58.75 cm)
Chassis Depth without Cable Mgmt	19.85" (50.42 cm)	19.03" (48.34 cm)	19.03" (48.34 cm)
Chassis Weight			
System Clearance			
Dimensions			
Front Clearance (Cooling)	6.03" (15.3 cm)	22.02" (55.9 cm)	22.02" (55.9 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	22.02" (55.9 cm)	22.02" (55.9 cm)
Rear Clearance (Cooling)	30.02" (76.2 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	30.02" (76.2 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

	FAS2220 Single Node	FAS2240-2 Single Chassis HA Pair	FAS2240-2 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	5 to 95 %	5 to 95 %	5 to 95 %
Transit Relative Humidity	5 to 95 %	5 to 95 %	5 to 95 %
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	-	6.9 bels	6.9 bels
Acoustic Noise - Sound Pressure	52.9 dBA	51 dBA	51 dBA
Input Power Voltage	100 to 120	100 to 120	100 to 120
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1.1RC1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS			
Version			
BIOS	8.3, 8.2.0, 8.2*	8.3, 8.2.0, 8.2*	8.3, 8.2.0, 8.2*
Service Processor Firmware	2.1.3P2, 2.1.3	2.1.3P2, 2.1.3	2.1.3P2, 2.1.3
Product Standards Compliance			
Certifications EMC/EMI	AS/NZS, FCC, ICES, KCC, VCCI		
Certifications safety	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS		
Certifications Safety/EMC/EMI	EAC, UKRSEPRO		
Certifications Safety/EMC/EMI/RoHS	BSMI, CE		
Standards EMC/EMI	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3		
Standards Safety	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1		
System Availability & Support			
Release Date	Jun 2012	-	-
End of Availability (EOA)	23-Mar-2015	23-Mar-2015	23-Mar-2015
End of Support (EOS)	30-Mar-2021	30-Mar-2021	30-Mar-2021
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

Specifications	FAS2220 Single Node	FAS2240-2 Single Chassis HA Pair	FAS2240-2 Single Node
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

Specifications	FAS2220 Single Node	FAS2240-2 Single Chassis HA Pair	FAS2240-2 Single Node
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

Specifications	FAS2240-4 Single Chassis HA Pair	FAS2240-4 Single Node	FAS3040 Fabric MetroCluster
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	144	144	336
Max Number of Internal Drives	24	24	N/A
Max Number of FC Drives	84	84	336
Max Number of MSATA Drives	N/A	N/A	N/A
Max Number of NL-SAS Drives	144	144	N/A
Max Number of SAS Drives	144	144	336
Max Number of SATA Drives	144	144	336
Max Number of SSD Drives	96	96	N/A
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	6 external	6 external	N/A
Max Number of DS14-Mk2-FC Shelves	6 external	6 external	24 external
Max Number of DS14-Mk4-FC Shelves	6 external	6 external	24 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	5 external	5 external	14 external
Max Number of DS4243 Shelves	5 external	5 external	14 external
Max Number of DS4246 Shelves	1 internal + 5 external	1 internal + 5 external	14 external
Max Number of DS4486 Shelves	N/A	N/A	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

	FAS2240-4 Single Chassis HA Pair	FAS2240-4 Single Node	FAS3040 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	162 GiB	162 GiB	134 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 2-core with HT	64-bit 2-core with HT	64-bit 1 core 2.40 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	1.73 Ghz	1.73 Ghz	2.40 Ghz
Processor Count (Per Node)	1	1	2
Processor Count (Per Config)	2	1	4
Processor Cores (Per CPU)	2	2	1
Processor Cores (Per Node)	2	2	2
Processor Cores (Per Config)	4	2	4
Memory			
NVMEM (Per Node)	0 GB	0 GB	N/A
NVMEM (Per Config)	1 GB	0 GB	N/A
NVRAM (Per Node)	N/A	N/A	0 GB
NVRAM (Per Config)	N/A	N/A	1 GB
RAM (Per Node)	6 GB	6 GB	4 GB
RAM (Per Config)	12 GB	6 GB	8 GB
Onboard Ports			
Ethernet Ports	8 x RJ45 (1Gb)	4 x RJ45 (1Gb)	4 x RJ45 (1Gb)
Fibre Channel Ports	-	-	4 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	2 x Mezzanine	1 x Mezzanine	3 x PCIe
SAS Ports	4 x QSFP (6Gb)	2 x QSFP (6Gb)	-
Physical Characteristics			
Rack Units	4	4	6
Chassis Height	7.01" (17.8 cm)	7.01" (17.8 cm)	5.12" (13 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.68" (44.9 cm)	17.68" (44.9 cm)	17.72" (45 cm)
Chassis Depth with Cable Mgmt	23.92" (60.76 cm)	23.92" (60.76 cm)	23.9" (60.7 cm)
Chassis Depth without Cable Mgmt	21.94" (55.74 cm)	21.94" (55.74 cm)	-
Chassis Weight			
System Clearance			
Dimensions			
Front Clearance (Cooling)	6.03" (15.3 cm)	6.03" (15.3 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	22.02" (55.9 cm)	22.02" (55.9 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	11.9" (30.2 cm)
Rear Clearance (Maintenance)	12.02" (30.5 cm)	12.02" (30.5 cm)	36.01" (91.4 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

	FAS2240-4 Single Chassis HA Pair	FAS2240-4 Single Node	FAS3040 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 149 deg F -40 to 65 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 149 deg F -40 to 65 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	-
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	-
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	-
Acoustic Noise - Sound Power	6.9 bels	6.9 bels	-
Acoustic Noise - Sound Pressure	49.6 dBA	49.6 dBA	49 dBA
Input Power Voltage	100 to 120	100 to 120	-60 to -40
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS			
Version			
BIOS	8.3, 8.2.0, 8.2*	8.3, 8.2.0, 8.2*	2.5
Service Processor Firmware	2.1.3P2, 2.1.3	2.1.3P2, 2.1.3	N/A
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	23-Mar-2015	23-Mar-2015	06-Mar-2009
End of Support (EOS)	30-Mar-2021	30-Mar-2021	06-Apr-2014
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

Specifications	FAS2240-4 Single Chassis HA Pair	FAS2240-4 Single Node	FAS3040 Fabric MetroCluster
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

	FAS2240-4 Single Chassis HA Pair	FAS2240-4 Single Node	FAS3040 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

	FAS3040 Single Chassis HA Pair	FAS3040 Single Node	FAS3040 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	336	336	336
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	336	336	336
Max Number of MSATA Drives	N/A	N/A	N/A
Max Number of NL-SAS Drives	N/A	N/A	N/A
Max Number of SAS Drives	336	336	336
Max Number of SATA Drives	336	336	336
Max Number of SSD Drives	N/A	N/A	N/A
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	24 external	24 external	24 external
Max Number of DS14-Mk2-FC Shelves	24 external	24 external	24 external
Max Number of DS14-Mk4-FC Shelves	24 external	24 external	24 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	14 external	14 external	14 external
Max Number of DS4243 Shelves	14 external	14 external	14 external
Max Number of DS4246 Shelves	14 external	14 external	14 external
Max Number of DS4486 Shelves	N/A	N/A	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

	FAS3040 Single Chassis HA Pair	FAS3040 Single Node	FAS3040 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	134 GiB	134 GiB	134 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 1 core 2.40 Ghz	64-bit 1 core 2.40 Ghz	64-bit 1 core 2.40 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.40 Ghz	2.40 Ghz	2.40 Ghz
Processor Count (Per Node)	2	2	2
Processor Count (Per Config)	4	2	4
Processor Cores (Per CPU)	1	1	1
Processor Cores (Per Node)	2	2	2
Processor Cores (Per Config)	4	2	4
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	0 GB	0 GB	0 GB
NVRAM (Per Config)	1 GB	0 GB	1 GB
RAM (Per Node)	4 GB	4 GB	4 GB
RAM (Per Config)	8 GB	4 GB	8 GB
Onboard Ports			
Ethernet Ports	4 x RJ45 (1Gb)	4 x RJ45 (1Gb)	4 x RJ45 (1Gb)
Fibre Channel Ports	8 x SFP (4Gb)	4 x SFP (4Gb)	4 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	3 x PCIe	3 x PCIe	3 x PCIe
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	6	3	6
Chassis Height	5.12" (13 cm)	5.12" (13 cm)	5.12" (13 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.72" (45 cm)	17.72" (45 cm)	17.72" (45 cm)
Chassis Depth with Cable Mgmt	23.9" (60.7 cm)	23.9" (60.7 cm)	23.9" (60.7 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	11.9" (30.2 cm)	11.9" (30.2 cm)	11.9" (30.2 cm)
Rear Clearance (Maintenance)	36.01" (91.4 cm)	36.01" (91.4 cm)	36.01" (91.4 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

	FAS3040 Single Chassis HA Pair	FAS3040 Single Node	FAS3040 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C
Transit Temperature Range	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	-	-	-
Storage Altitude Range	-	-	-
Transit Altitude Range	-	-	-
Acoustic Noise - Sound Power	-	-	-
Acoustic Noise - Sound Pressure	49 dBA	49 dBA	49 dBA
Input Power Voltage	-60 to -40	-60 to -40	-60 to -40
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	2.5	2.5	2.5
Service Processor Firmware	N/A	N/A	N/A
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	06-Mar-2009	06-Mar-2009	06-Mar-2009
End of Support (EOS)	06-Apr-2014	06-Apr-2014	06-Apr-2014
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

Specifications	FAS3040 Single Chassis HA Pair	FAS3040 Single Node	FAS3040 Stretch MetroCluster
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

	FAS3040 Single Chassis HA Pair	FAS3040 Single Node	FAS3040 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

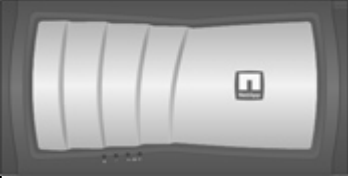
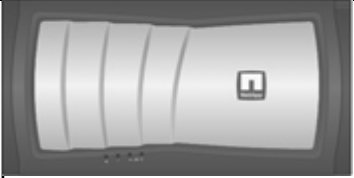
	FAS3070 Fabric MetroCluster	FAS3070 Single Chassis HA Pair	FAS3070 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	504	504	504
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	504	504	504
Max Number of MSATA Drives	N/A	N/A	N/A
Max Number of NL-SAS Drives	N/A	N/A	N/A
Max Number of SAS Drives	504	504	504
Max Number of SATA Drives	504	504	504
Max Number of SSD Drives	N/A	N/A	N/A
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	N/A	36 external	36 external
Max Number of DS14-Mk2-FC Shelves	36 external	36 external	36 external
Max Number of DS14-Mk4-FC Shelves	36 external	36 external	36 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	21 external	21 external	21 external
Max Number of DS4243 Shelves	21 external	21 external	21 external
Max Number of DS4246 Shelves	21 external	21 external	21 external
Max Number of DS4486 Shelves	N/A	N/A	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

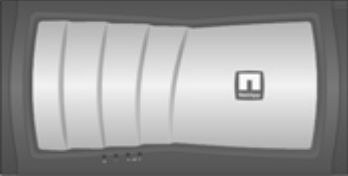
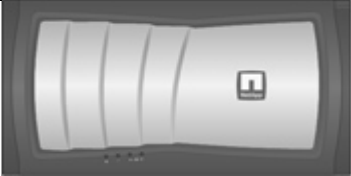
	FAS3070 Fabric MetroCluster	FAS3070 Single Chassis HA Pair	FAS3070 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	205 GiB	205 GiB	205 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 2-core 3.00 Ghz	64-bit 2-core 3.00 Ghz	64-bit 2-core 3.00 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	3.00 Ghz	3.00 Ghz	3.00 Ghz
Processor Count (Per Node)	2	2	2
Processor Count (Per Config)	4	4	2
Processor Cores (Per CPU)	2	2	2
Processor Cores (Per Node)	4	4	4
Processor Cores (Per Config)	8	8	4
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	0 GB	0 GB	0 GB
NVRAM (Per Config)	1 GB	1 GB	0 GB
RAM (Per Node)	8 GB	8 GB	8 GB
RAM (Per Config)	16 GB	16 GB	8 GB
Onboard Ports			
Ethernet Ports	4 x RJ45 (1Gb)	4 x RJ45 (1Gb)	4 x RJ45 (1Gb)
Fibre Channel Ports	4 x SFP (4Gb)	8 x SFP (4Gb)	4 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	3 x PCIe	3 x PCIe	3 x PCIe
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	6	6	3
Chassis Height	5.12" (13 cm)	5.12" (13 cm)	5.12" (13 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.72" (45 cm)	17.72" (45 cm)	17.72" (45 cm)
Chassis Depth with Cable Mgmt	23.9" (60.7 cm)	23.9" (60.7 cm)	23.9" (60.7 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	11.9" (30.2 cm)	11.9" (30.2 cm)	11.9" (30.2 cm)
Rear Clearance (Maintenance)	36.01" (91.4 cm)	36.01" (91.4 cm)	36.01" (91.4 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

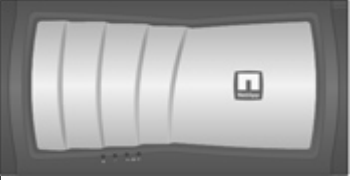
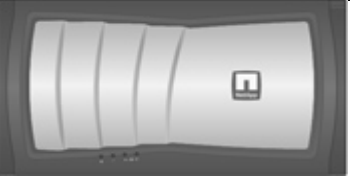
	FAS3070 Fabric MetroCluster	FAS3070 Single Chassis HA Pair	FAS3070 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C
Transit Temperature Range	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	-	-	-
Storage Altitude Range	-	-	-
Transit Altitude Range	-	-	-
Acoustic Noise - Sound Power	-	-	-
Acoustic Noise - Sound Pressure	49 dBA	49 dBA	49 dBA
Input Power Voltage	-60 to -40	-60 to -40	-60 to -40
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	2.5	2.5	2.5
Service Processor Firmware	N/A	N/A	N/A
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	06-Mar-2009	06-Mar-2009	06-Mar-2009
End of Support (EOS)	06-Apr-2014	06-Apr-2014	06-Apr-2014
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

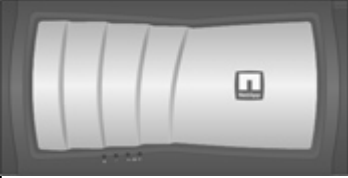
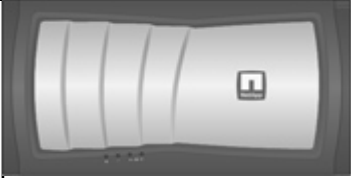
Specifications	FAS3070 Fabric MetroCluster	FAS3070 Single Chassis HA Pair	FAS3070 Single Node
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

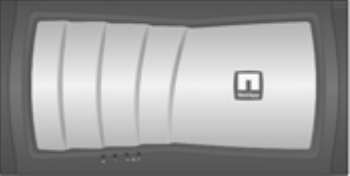
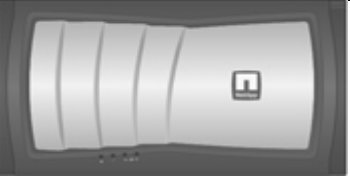
	FAS3070 Fabric MetroCluster	FAS3070 Single Chassis HA Pair	FAS3070 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

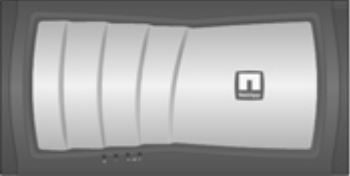
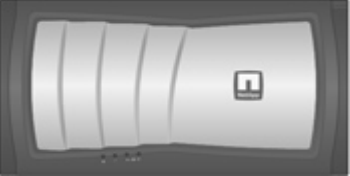
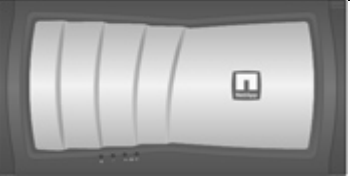
	FAS3070 Stretch MetroCluster	FAS3140 Fabric MetroCluster	FAS3140 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	504	420	420
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	504	420	420
Max Number of MSATA Drives	N/A	N/A	N/A
Max Number of NL-SAS Drives	N/A	420	420
Max Number of SAS Drives	504	420	420
Max Number of SATA Drives	504	420	420
Max Number of SSD Drives	N/A	N/A	N/A
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	36 external	N/A	30 external
Max Number of DS14-Mk2-FC Shelves	36 external	30 external	30 external
Max Number of DS14-Mk4-FC Shelves	36 external	30 external	30 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	21 external	18 external	18 external
Max Number of DS4243 Shelves	21 external	18 external	18 external
Max Number of DS4246 Shelves	21 external	18 external	18 external
Max Number of DS4486 Shelves	N/A	N/A	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

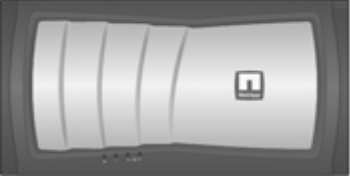
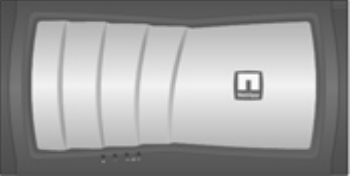
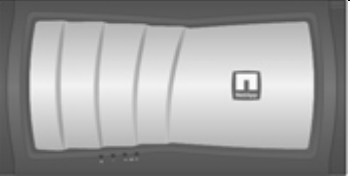
	FAS3070 Stretch MetroCluster	FAS3140 Fabric MetroCluster	FAS3140 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	205 GiB	134 GiB	134 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 2-core 3.00 Ghz	64-bit 2-core 2.40 Ghz	64-bit 2-core 2.40 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	3.00 Ghz	2.40 Ghz	2.40 Ghz
Processor Count (Per Node)	2	1	1
Processor Count (Per Config)	4	2	2
Processor Cores (Per CPU)	2	2	2
Processor Cores (Per Node)	4	2	2
Processor Cores (Per Config)	8	4	4
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	0 GB	0 GB	0 GB
NVRAM (Per Config)	1 GB	1 GB	1 GB
RAM (Per Node)	8 GB	4 GB	4 GB
RAM (Per Config)	16 GB	8 GB	8 GB
Onboard Ports			
Ethernet Ports	4 x RJ45 (1Gb)	2 x RJ45 (1Gb)	4 x RJ45 (1Gb)
Fibre Channel Ports	4 x SFP (4Gb)	4 x SFP (4Gb)	8 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	3 x PCIe	4 x PCIe	8 x PCIe
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	6	12	6
Chassis Height	5.12" (13 cm)	10.75" (27.3 cm)	10.75" (27.3 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.72" (45 cm)	17.72" (45 cm)	17.72" (45 cm)
Chassis Depth with Cable Mgmt	23.9" (60.7 cm)	23.9" (60.7 cm)	23.9" (60.7 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	11.9" (30.2 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	36.01" (91.4 cm)	36.01" (91.4 cm)	36.01" (91.4 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

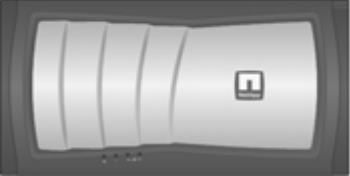
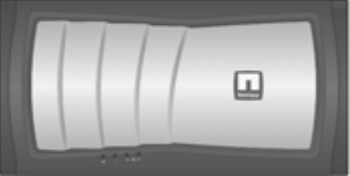
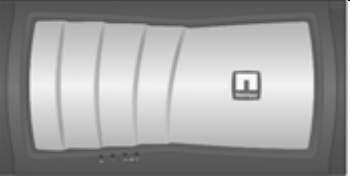
	FAS3070 Stretch MetroCluster	FAS3140 Fabric MetroCluster	FAS3140 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C
Transit Temperature Range	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	-	-	-
Storage Altitude Range	-	-	-
Transit Altitude Range	-	-	-
Acoustic Noise - Sound Power	-	-	-
Acoustic Noise - Sound Pressure	49 dBA	61 dBA	61 dBA
Input Power Voltage	-60 to -40	-60 to -40	-60 to -40
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	2.5	4.4	4.4
Service Processor Firmware	N/A	N/A	N/A
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	06-Mar-2009	03-Feb-2012	03-Feb-2012
End of Support (EOS)	06-Apr-2014	31-Mar-2017	31-Mar-2017
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

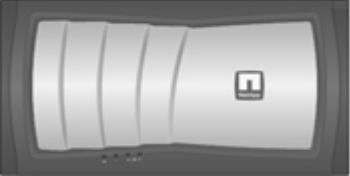
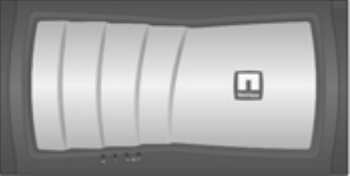
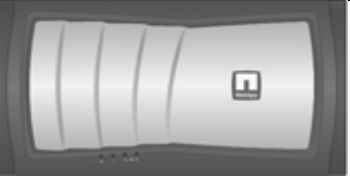
Specifications	FAS3070 Stretch MetroCluster	FAS3140 Fabric MetroCluster	FAS3140 Single Chassis HA Pair
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

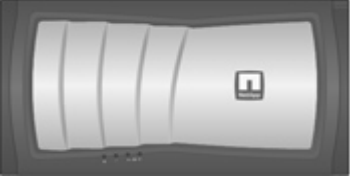
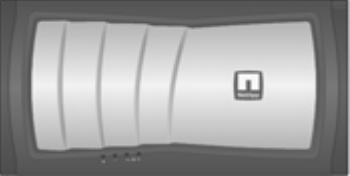
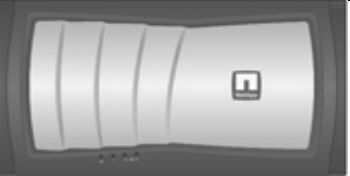
	FAS3070 Stretch MetroCluster	FAS3140 Fabric MetroCluster	FAS3140 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

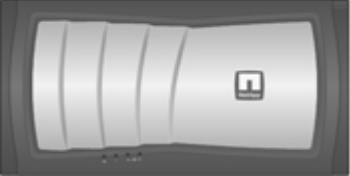
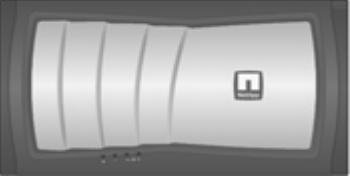
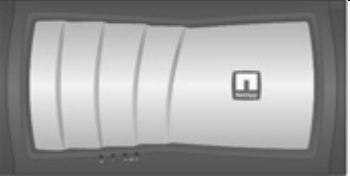
	FAS3140 Single Node	FAS3140 Stretch MetroCluster	FAS3160 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	420	420	672
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	420	420	672
Max Number of MSATA Drives	N/A	N/A	N/A
Max Number of NL-SAS Drives	420	420	672
Max Number of SAS Drives	420	420	672
Max Number of SATA Drives	420	420	672
Max Number of SSD Drives	N/A	N/A	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	30 external	30 external	N/A
Max Number of DS14-Mk2-FC Shelves	30 external	30 external	48 external
Max Number of DS14-Mk4-FC Shelves	30 external	30 external	48 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	18 external	18 external	28 external
Max Number of DS4243 Shelves	18 external	18 external	28 external
Max Number of DS4246 Shelves	18 external	18 external	28 external
Max Number of DS4486 Shelves	N/A	N/A	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

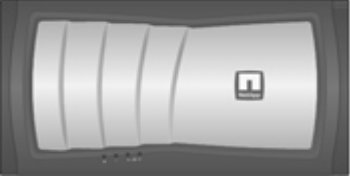
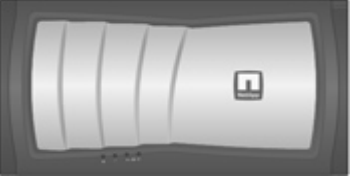
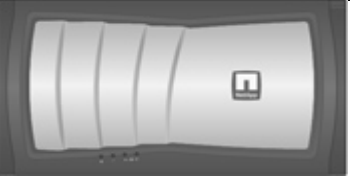
	FAS3140 Single Node	FAS3140 Stretch MetroCluster	FAS3160 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	134 GiB	134 GiB	232 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 2-core 2.40 Ghz	64-bit 2-core 2.40 Ghz	64-bit 2-core 2.40 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.40 Ghz	2.40 Ghz	2.40 Ghz
Processor Count (Per Node)	1	1	2
Processor Count (Per Config)	1	2	4
Processor Cores (Per CPU)	2	2	2
Processor Cores (Per Node)	2	2	4
Processor Cores (Per Config)	2	4	8
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	0 GB	0 GB	2 GB
NVRAM (Per Config)	0 GB	1 GB	4 GB
RAM (Per Node)	4 GB	4 GB	8 GB
RAM (Per Config)	4 GB	8 GB	16 GB
Onboard Ports			
Ethernet Ports	2 x RJ45 (1Gb)	2 x RJ45 (1Gb)	2 x RJ45 (1Gb)
Fibre Channel Ports	4 x SFP (4Gb)	4 x SFP (4Gb)	4 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	4 x PCIe	4 x PCIe	4 x PCIe
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	6	12	12
Chassis Height	10.75" (27.3 cm)	10.75" (27.3 cm)	10.75" (27.3 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.72" (45 cm)	17.72" (45 cm)	17.72" (45 cm)
Chassis Depth with Cable Mgmt	23.9" (60.7 cm)	23.9" (60.7 cm)	23.9" (60.7 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	36.01" (91.4 cm)	36.01" (91.4 cm)	36.01" (91.4 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

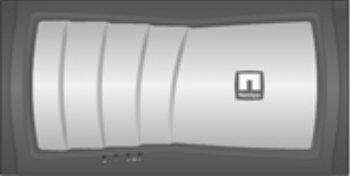
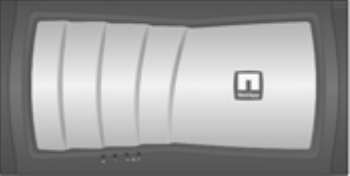
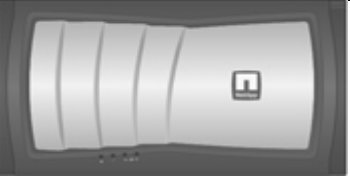
	FAS3140 Single Node	FAS3140 Stretch MetroCluster	FAS3160 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C
Transit Temperature Range	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	-	-	-
Storage Altitude Range	-	-	-
Transit Altitude Range	-	-	-
Acoustic Noise - Sound Power	-	-	-
Acoustic Noise - Sound Pressure	61 dBA	61 dBA	61 dBA
Input Power Voltage	-60 to -40	-60 to -40	-60 to -40
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	4.4	4.4	4.4
Service Processor Firmware	N/A	N/A	N/A
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	03-Feb-2012	03-Feb-2012	03-Feb-2012
End of Support (EOS)	31-Mar-2017	31-Mar-2017	31-Mar-2017
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

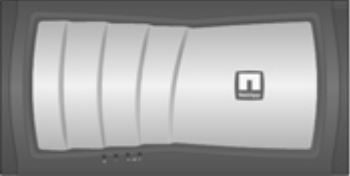
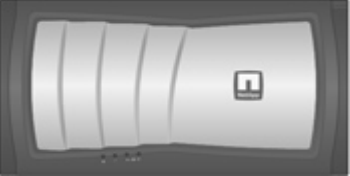
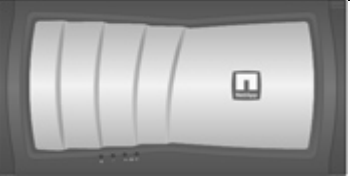
	FAS3140 Single Node	FAS3140 Stretch MetroCluster	FAS3160 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

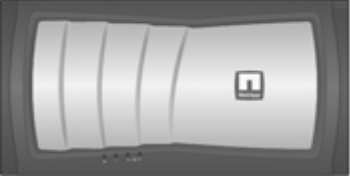
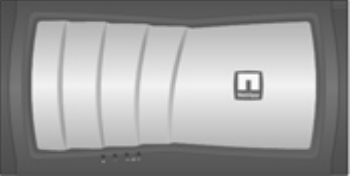
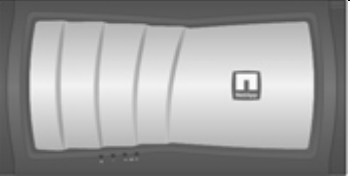
	FAS3140 Single Node	FAS3140 Stretch MetroCluster	FAS3160 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

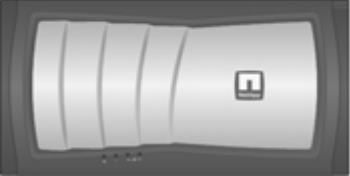
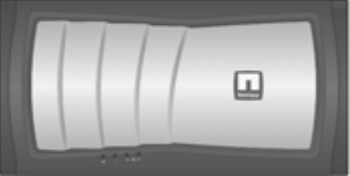
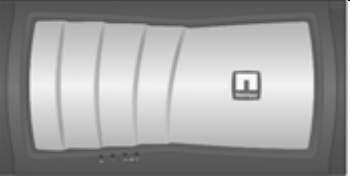
	FAS3160 Single Chassis HA Pair	FAS3160 Single Node	FAS3160 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	672	672	672
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	672	672	672
Max Number of MSATA Drives	N/A	N/A	N/A
Max Number of NL-SAS Drives	672	672	672
Max Number of SAS Drives	672	672	672
Max Number of SATA Drives	672	672	672
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	48 external	48 external	48 external
Max Number of DS14-Mk2-FC Shelves	48 external	48 external	48 external
Max Number of DS14-Mk4-FC Shelves	48 external	48 external	48 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	28 external	28 external	28 external
Max Number of DS4243 Shelves	28 external	28 external	28 external
Max Number of DS4246 Shelves	28 external	28 external	28 external
Max Number of DS4486 Shelves	N/A	N/A	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

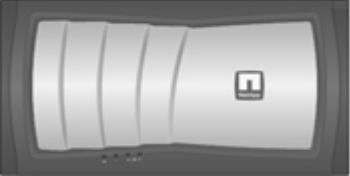
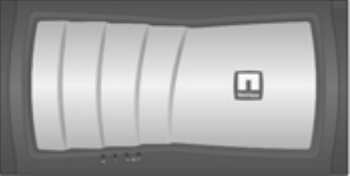
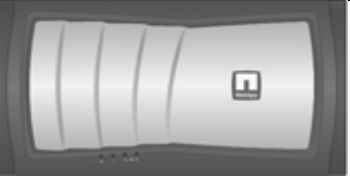
	FAS3160 Single Chassis HA Pair	FAS3160 Single Node	FAS3160 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	232 GiB	232 GiB	232 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 2-core 2.40 Ghz	64-bit 2-core 2.40 Ghz	64-bit 2-core 2.40 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.40 Ghz	2.40 Ghz	2.40 Ghz
Processor Count (Per Node)	2	2	2
Processor Count (Per Config)	4	2	4
Processor Cores (Per CPU)	2	2	2
Processor Cores (Per Node)	4	4	4
Processor Cores (Per Config)	8	4	8
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	2 GB	2 GB	2 GB
NVRAM (Per Config)	4 GB	2 GB	4 GB
RAM (Per Node)	8 GB	8 GB	8 GB
RAM (Per Config)	16 GB	8 GB	16 GB
Onboard Ports			
Ethernet Ports	4 x RJ45 (1Gb)	2 x RJ45 (1Gb)	2 x RJ45 (1Gb)
Fibre Channel Ports	8 x SFP (4Gb)	4 x SFP (4Gb)	4 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	8 x PCIe	4 x PCIe	4 x PCIe
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	6	6	12
Chassis Height	10.75" (27.3 cm)	10.75" (27.3 cm)	10.75" (27.3 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.72" (45 cm)	17.72" (45 cm)	17.72" (45 cm)
Chassis Depth with Cable Mgmt	23.9" (60.7 cm)	23.9" (60.7 cm)	23.9" (60.7 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance			
Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	36.01" (91.4 cm)	36.01" (91.4 cm)	36.01" (91.4 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

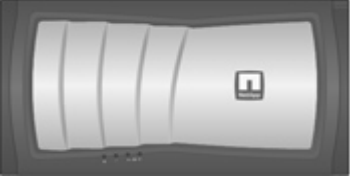
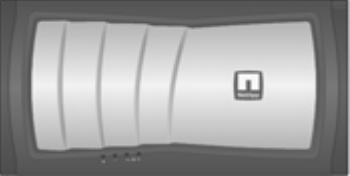
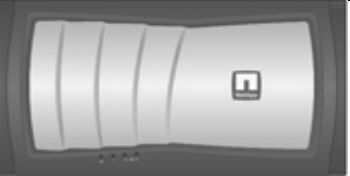
	FAS3160 Single Chassis HA Pair	FAS3160 Single Node	FAS3160 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C
Transit Temperature Range	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	-	-	-
Storage Altitude Range	-	-	-
Transit Altitude Range	-	-	-
Acoustic Noise - Sound Power	-	-	-
Acoustic Noise - Sound Pressure	61 dBA	61 dBA	61 dBA
Input Power Voltage	-60 to -40	-60 to -40	-60 to -40
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	4.4	4.4	4.4
Service Processor Firmware	N/A	N/A	N/A
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	03-Feb-2012	03-Feb-2012	03-Feb-2012
End of Support (EOS)	31-Mar-2017	31-Mar-2017	31-Mar-2017
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

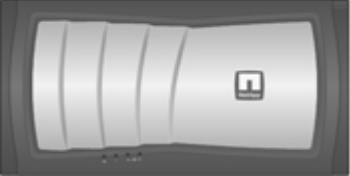
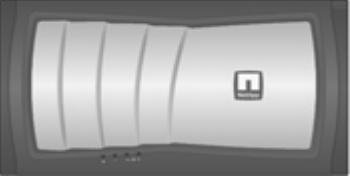
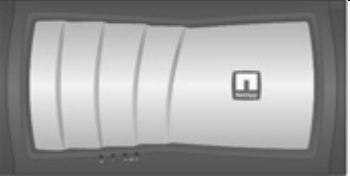
	FAS3160 Single Chassis HA Pair	FAS3160 Single Node	FAS3160 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

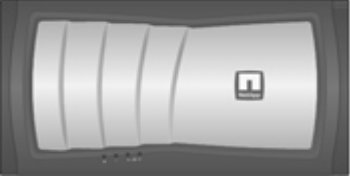
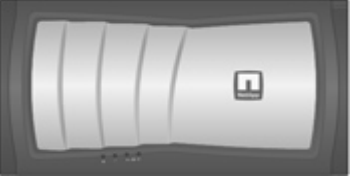
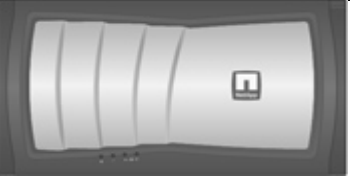
	FAS3160 Single Chassis HA Pair	FAS3160 Single Node	FAS3160 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

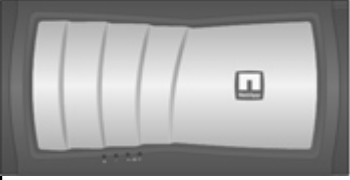
	FAS3170 Fabric MetroCluster	FAS3170 Single Chassis HA Pair	FAS3170 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	840	840	840
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	840	840	840
Max Number of MSATA Drives	N/A	N/A	N/A
Max Number of NL-SAS Drives	840	840	840
Max Number of SAS Drives	840	840	840
Max Number of SATA Drives	840	840	840
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	N/A	60 external	60 external
Max Number of DS14-Mk2-FC Shelves	60 external	60 external	60 external
Max Number of DS14-Mk4-FC Shelves	60 external	60 external	60 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	35 external	35 external	35 external
Max Number of DS4243 Shelves	35 external	35 external	35 external
Max Number of DS4246 Shelves	35 external	35 external	35 external
Max Number of DS4486 Shelves	N/A	N/A	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

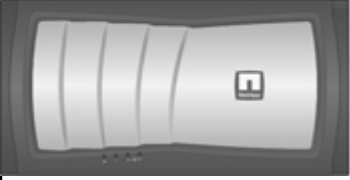
	FAS3170 Fabric MetroCluster	FAS3170 Single Chassis HA Pair	FAS3170 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 2-core 2.60 Ghz	64-bit 2-core 2.60 Ghz	64-bit 2-core 2.60 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.60 Ghz	2.60 Ghz	2.60 Ghz
Processor Count (Per Node)	2	2	2
Processor Count (Per Config)	4	4	2
Processor Cores (Per CPU)	2	2	2
Processor Cores (Per Node)	4	4	4
Processor Cores (Per Config)	8	8	4
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	2 GB	2 GB	2 GB
NVRAM (Per Config)	4 GB	4 GB	2 GB
RAM (Per Node)	16 GB	16 GB	16 GB
RAM (Per Config)	32 GB	32 GB	16 GB
Onboard Ports			
Ethernet Ports	2 x RJ45 (1Gb)	4 x RJ45 (1Gb)	2 x RJ45 (1Gb)
Fibre Channel Ports	4 x SFP (4Gb)	8 x SFP (4Gb)	4 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	4 x PCIe	8 x PCIe	4 x PCIe
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	12	6	6
Chassis Height	10.75" (27.3 cm)	10.75" (27.3 cm)	10.75" (27.3 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.72" (45 cm)	17.72" (45 cm)	17.72" (45 cm)
Chassis Depth with Cable Mgmt	23.9" (60.7 cm)	23.9" (60.7 cm)	23.9" (60.7 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance			
Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	36.01" (91.4 cm)	36.01" (91.4 cm)	36.01" (91.4 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

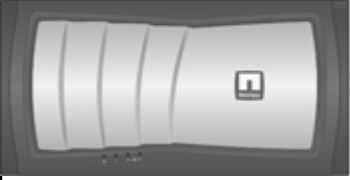
	FAS3170 Fabric MetroCluster	FAS3170 Single Chassis HA Pair	FAS3170 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C
Transit Temperature Range	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C	-40 to 149 deg F -40 to 65 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	-	-	-
Storage Altitude Range	-	-	-
Transit Altitude Range	-	-	-
Acoustic Noise - Sound Power	-	-	-
Acoustic Noise - Sound Pressure	61 dBA	61 dBA	61 dBA
Input Power Voltage	-60 to -40	-60 to -40	-60 to -40
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	4.4	4.4	4.4
Service Processor Firmware	N/A	N/A	N/A
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	03-Feb-2012	03-Feb-2012	03-Feb-2012
End of Support (EOS)	31-Mar-2017	31-Mar-2017	31-Mar-2017
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

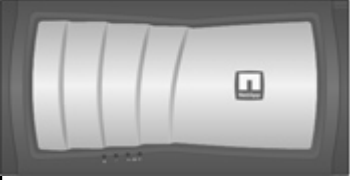
	FAS3170 Fabric MetroCluster	FAS3170 Single Chassis HA Pair	FAS3170 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

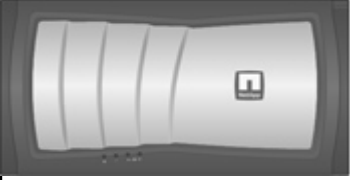
	FAS3170 Fabric MetroCluster	FAS3170 Single Chassis HA Pair	FAS3170 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

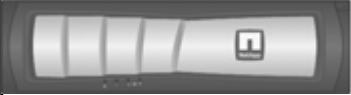
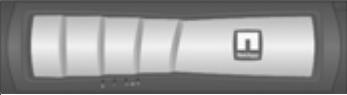
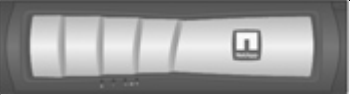
	FAS3170 Stretch MetroCluster	FAS3210 Fabric MetroCluster	FAS3210 High Availability
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	840	240	240
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	840	240	240
Max Number of MSATA Drives	N/A	N/A	N/A
Max Number of NL-SAS Drives	840	240	240
Max Number of SAS Drives	840	240	240
Max Number of SATA Drives	840	240	240
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	60 external	N/A	18 external
Max Number of DS14-Mk2-FC Shelves	60 external	18 external	18 external
Max Number of DS14-Mk4-FC Shelves	60 external	18 external	18 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	35 external	10 external	10 external
Max Number of DS4243 Shelves	35 external	10 external	10 external
Max Number of DS4246 Shelves	35 external	10 external	10 external
Max Number of DS4486 Shelves	N/A	N/A	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

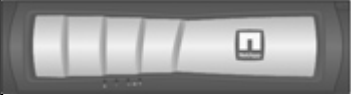
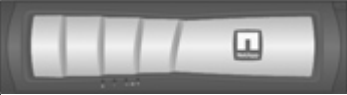
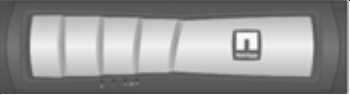
	FAS3170 Stretch MetroCluster	FAS3210 Fabric MetroCluster	FAS3210 High Availability
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	145 GiB	145 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 2-core 2.60 Ghz	64-bit 2-core 2.33 Ghz	64-bit 2-core 2.33 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.60 Ghz	2.33 Ghz	2.33 Ghz
Processor Count (Per Node)	2	1	1
Processor Count (Per Config)	4	2	2
Processor Cores (Per CPU)	2	2	2
Processor Cores (Per Node)	4	2	2
Processor Cores (Per Config)	8	4	4
Memory			
NVMEM (Per Node)	N/A	0 GB	0 GB
NVMEM (Per Config)	N/A	1 GB	1 GB
NVRAM (Per Node)	2 GB	N/A	N/A
NVRAM (Per Config)	4 GB	N/A	N/A
RAM (Per Node)	16 GB	5 GB	5 GB
RAM (Per Config)	32 GB	10 GB	10 GB
Onboard Ports			
Ethernet Ports	2 x RJ45 (1Gb)	2 x RJ45 (1Gb)	4 x RJ45 (1Gb)
Fibre Channel Ports	4 x SFP (4Gb)	2 x SFP (4Gb)	4 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	4 x PCIe	2 x PCIe	4 x PCIe
SAS Ports	-	2 x QSFP (6Gb)	4 x QSFP (6Gb)
Physical Characteristics			
Rack Units	12	6	3
Chassis Height	10.75" (27.3 cm)	5.12" (13 cm)	5.12" (13 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.72" (45 cm)	17.6" (44.7 cm)	17.6" (44.7 cm)
Chassis Depth with Cable Mgmt	23.9" (60.7 cm)	23.9" (60.7 cm)	23.9" (60.7 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	10.01" (25.4 cm)	10.01" (25.4 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	36.01" (91.4 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

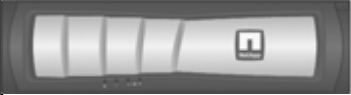
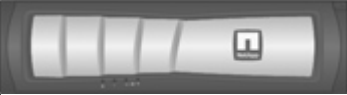
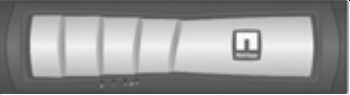
	FAS3170 Stretch MetroCluster	FAS3210 Fabric MetroCluster	FAS3210 High Availability
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 149 deg F -40 to 65 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 149 deg F -40 to 65 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	-	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	-	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	-	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	-	7.1 bels	7.1 bels
Acoustic Noise - Sound Pressure	61 dBA	55.4 dBA	55.4 dBA
Input Power Voltage	-60 to -40	-60 to -40	-60 to -40
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	4.4	5.3, 5.2.1	5.3, 5.2.1
Service Processor Firmware	N/A	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	03-Feb-2012	08-Nov-2013	08-Nov-2013
End of Support (EOS)	31-Mar-2017	31-Dec-2018	31-Dec-2018
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

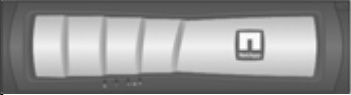
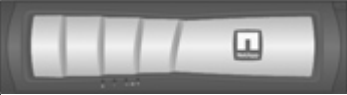
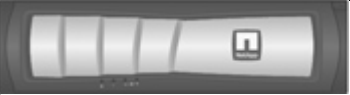
	FAS3170 Stretch MetroCluster	FAS3210 Fabric MetroCluster	FAS3210 High Availability
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

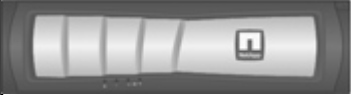
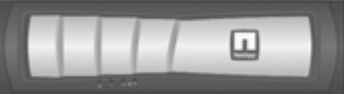
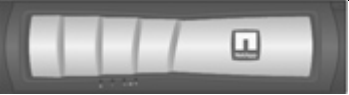
	FAS3170 Stretch MetroCluster	FAS3210 Fabric MetroCluster	FAS3210 High Availability
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

Specifications	FAS3210 Single Node	FAS3210 Stretch MetroCluster	FAS3220 Dual Chassis HA Pair with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	240	240	480
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	240	240	480
Max Number of MSATA Drives	N/A	N/A	480
Max Number of NL-SAS Drives	240	240	480
Max Number of SAS Drives	240	240	480
Max Number of SATA Drives	240	240	480
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	18 external	18 external	35 external
Max Number of DS14-Mk2-FC Shelves	18 external	18 external	35 external
Max Number of DS14-Mk4-FC Shelves	18 external	18 external	35 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	10 external	10 external	20 external
Max Number of DS4243 Shelves	10 external	10 external	20 external
Max Number of DS4246 Shelves	10 external	10 external	20 external
Max Number of DS4486 Shelves	N/A	N/A	10 external
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

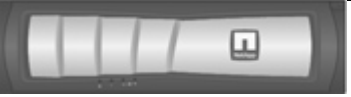
	FAS3210 Single Node	FAS3210 Stretch MetroCluster	FAS3220 Dual Chassis HA Pair with IO Expansion
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	145 GiB	145 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 2-core 2.33 Ghz	64-bit 2-core 2.33 Ghz	64-bit 4-core 2.33 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.33 Ghz	2.33 Ghz	2.33 Ghz
Processor Count (Per Node)	1	1	1
Processor Count (Per Config)	2	1	2
Processor Cores (Per CPU)	2	2	4
Processor Cores (Per Node)	2	2	4
Processor Cores (Per Config)	4	2	4
Memory			
NVMEM (Per Node)	0 GB	0 GB	1 GB
NVMEM (Per Config)	0 GB	1 GB	3 GB
NVRAM (Per Node)	N/A	N/A	N/A
NVRAM (Per Config)	N/A	N/A	N/A
RAM (Per Node)	5 GB	5 GB	12 GB
RAM (Per Config)	5 GB	10 GB	24 GB
Onboard Ports			
Ethernet Ports	2 x RJ45 (1Gb)	2 x RJ45 (1Gb)	2 x RJ45 (1Gb)
Fibre Channel Ports	2 x SFP (4Gb)	2 x SFP (4Gb)	4 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	2 x PCIe	2 x PCIe	6 x PCIe (with IOXM)
SAS Ports	2 x QSFP (6Gb)	2 x QSFP (6Gb)	2 x QSFP (6Gb)
Physical Characteristics			
Rack Units	6	3	6
Chassis Height	5.12" (13 cm)	5.12" (13 cm)	5.12" (13 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.6" (44.7 cm)	17.6" (44.7 cm)	17.6" (44.7 cm)
Chassis Depth with Cable Mgmt	23.9" (60.7 cm)	23.9" (60.7 cm)	23.9" (60.7 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	10.01" (25.4 cm)	10.01" (25.4 cm)	30.02" (76.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

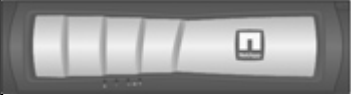
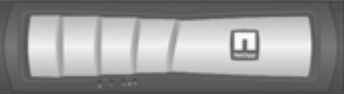
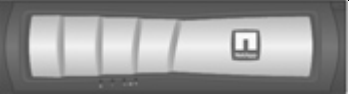
	FAS3210 Single Node	FAS3210 Stretch MetroCluster	FAS3220 Dual Chassis HA Pair with IO Expansion
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	7.1 bels	7.1 bels	7.1 bels
Acoustic Noise - Sound Pressure	55.4 dBA	55.4 dBA	55.4 dBA
Input Power Voltage	-60 to -40	-60 to -40	-60 to -40
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1.2RC2
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS			
Version			
BIOS	5.3, 5.2.1	5.3, 5.2.1	5.3, 5.2.1
Service Processor Firmware	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3
Product Standards Compliance			
Certifications EMC/EMI			AS/NZS, FCC, ICES, KCC, VCCI
Certifications safety			BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS
Certifications Safety/EMC/EMI			EAC, UKRSEPRO
Certifications Safety/EMC/EMI/RoHS			BSMI, CE
Standards EMC/EMI			CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3
Standards Safety			ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1
System Availability & Support			
Release Date	-	-	Nov 2012
End of Availability (EOA)	08-Nov-2013	08-Nov-2013	12-Dec-2014
End of Support (EOS)	31-Dec-2018	31-Dec-2018	31-Jan-2021
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

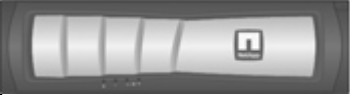
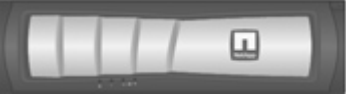
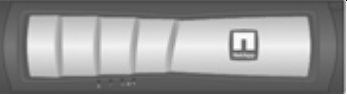
Specifications	FAS3210 Single Node	FAS3210 Stretch MetroCluster	FAS3220 Dual Chassis HA Pair with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

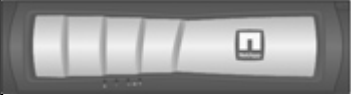
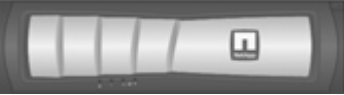
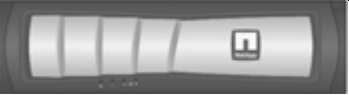
Specifications	FAS3210 Single Node	FAS3210 Stretch MetroCluster	FAS3220 Dual Chassis HA Pair with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

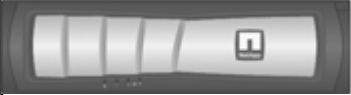
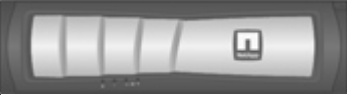
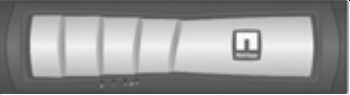
Specifications	FAS3220 Fabric MetroCluster with IO Expansion	FAS3220 Fabric MetroCluster	FAS3220 Single Chassis HA Pair
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	480	480	480
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	480	420	420
Max Number of MSATA Drives	N/A	N/A	480
Max Number of NL-SAS Drives	480	480	480
Max Number of SAS Drives	480	480	480
Max Number of SATA Drives	480	480	480
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	N/A	N/A	30 external
Max Number of DS14-Mk2-FC Shelves	35 external	30 external	30 external
Max Number of DS14-Mk4-FC Shelves	35 external	30 external	30 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	20 external	20 external	20 external
Max Number of DS4243 Shelves	20 external	20 external	20 external
Max Number of DS4246 Shelves	20 external	20 external	20 external
Max Number of DS4486 Shelves	N/A	N/A	10 external
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

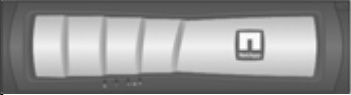
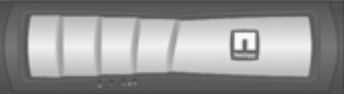
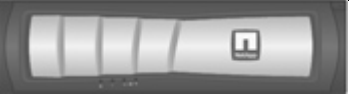
	FAS3220 Fabric MetroCluster with IO Expansion	FAS3220 Fabric MetroCluster	FAS3220 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 4-core 2.33 Ghz	64-bit 4-core 2.33 Ghz	64-bit 4-core 2.33 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.33 Ghz	2.33 Ghz	2.33 Ghz
Processor Count (Per Node)	1	1	1
Processor Count (Per Config)	2	2	2
Processor Cores (Per CPU)	4	4	4
Processor Cores (Per Node)	4	4	4
Processor Cores (Per Config)	8	8	8
Memory			
NVMEM (Per Node)	1 GB	1 GB	1 GB
NVMEM (Per Config)	3 GB	3 GB	3 GB
NVRAM (Per Node)	N/A	N/A	N/A
NVRAM (Per Config)	N/A	N/A	N/A
RAM (Per Node)	12 GB	12 GB	12 GB
RAM (Per Config)	24 GB	24 GB	24 GB
Onboard Ports			
Ethernet Ports	2 x RJ45 (1Gb)	2 x RJ45 (1Gb)	4 x RJ45 (1Gb)
Fibre Channel Ports	2 x SFP (4Gb)	2 x SFP (4Gb)	4 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	6 x PCIe (with IOXM)	2 x PCIe	4 x PCIe
SAS Ports	2 x QSFP (6Gb)	2 x QSFP (6Gb)	4 x QSFP (6Gb)
Physical Characteristics			
Rack Units	6	6	6
Chassis Height	5.12" (13 cm)	5.12" (13 cm)	5.12" (13 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.6" (44.7 cm)	17.6" (44.7 cm)	17.6" (44.7 cm)
Chassis Depth with Cable Mgmt	23.9" (60.7 cm)	23.9" (60.7 cm)	23.9" (60.7 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

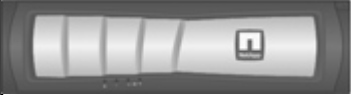
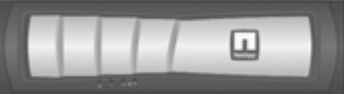
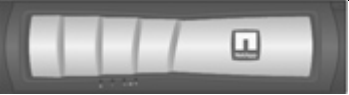
	FAS3220 Fabric MetroCluster with IO Expansion	FAS3220 Fabric MetroCluster	FAS3220 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	7.1 bels	7.1 bels	7.1 bels
Acoustic Noise - Sound Pressure	55.4 dBA	55.4 dBA	55.4 dBA
Input Power Voltage	-60 to -40	-60 to -40	-60 to -40
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1.2RC2	8.1.2RC2	8.1.2RC2
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS			
Version			
BIOS	5.3, 5.2.1	5.3, 5.2.1	5.3, 5.2.1
Service Processor Firmware	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3
Product Standards Compliance			
Certifications EMC/EMI	AS/NZS, FCC, ICES, KCC, VCCI	AS/NZS, FCC, ICES, KCC, VCCI	AS/NZS, FCC, ICES, KCC, VCCI
Certifications safety	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS
Certifications Safety/EMC/EMI	EAC, UKRSEPRO	EAC, UKRSEPRO	EAC, UKRSEPRO
Certifications Safety/EMC/EMI/RoHS	BSMI, CE	BSMI, CE	BSMI, CE
Standards EMC/EMI	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3
Standards Safety	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1
System Availability & Support			
Release Date	Nov 2012	Nov 2012	Nov 2012
End of Availability (EOA)	12-Dec-2014	12-Dec-2014	12-Dec-2014
End of Support (EOS)	31-Jan-2021	31-Jan-2021	31-Jan-2021
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

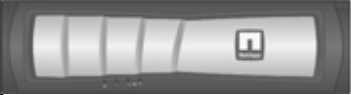
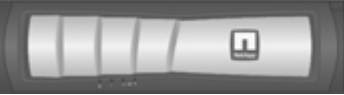
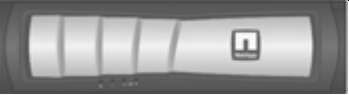
Specifications	FAS3220 Fabric MetroCluster with IO Expansion	FAS3220 Fabric MetroCluster	FAS3220 Single Chassis HA Pair
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

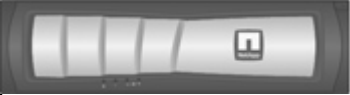
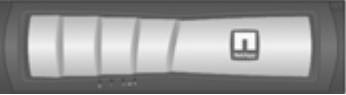
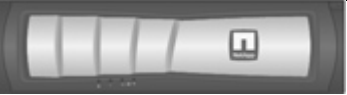
	FAS3220 Fabric MetroCluster with IO Expansion	FAS3220 Fabric MetroCluster	FAS3220 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

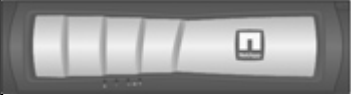
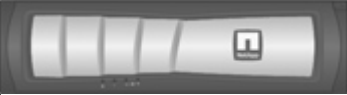
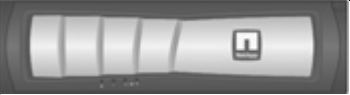
Specifications	FAS3220 Single Node with IO Expansion	FAS3220 Single Node	FAS3220 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	480	480	480
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	480	420	480
Max Number of MSATA Drives	480	480	N/A
Max Number of NL-SAS Drives	480	480	480
Max Number of SAS Drives	480	480	480
Max Number of SATA Drives	480	480	480
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	35 external	30 external	35 external
Max Number of DS14-Mk2-FC Shelves	35 external	30 external	35 external
Max Number of DS14-Mk4-FC Shelves	35 external	30 external	35 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	20 external	20 external	20 external
Max Number of DS4243 Shelves	20 external	20 external	20 external
Max Number of DS4246 Shelves	20 external	20 external	20 external
Max Number of DS4486 Shelves	10 external	10 external	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

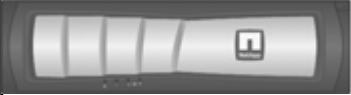
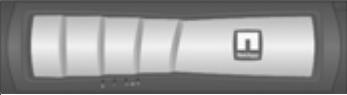
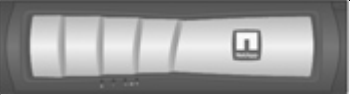
Specifications	FAS3220 Single Node with IO Expansion	FAS3220 Single Node	FAS3220 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 4-core 2.33 Ghz	64-bit 4-core 2.33 Ghz	64-bit 4-core 2.33 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.33 Ghz	2.33 Ghz	2.33 Ghz
Processor Count (Per Node)	1	1	1
Processor Count (Per Config)	2	1	1
Processor Cores (Per CPU)	4	4	4
Processor Cores (Per Node)	4	4	4
Processor Cores (Per Config)	8	4	4
Memory			
NVMEM (Per Node)	1 GB	1 GB	1 GB
NVMEM (Per Config)	1 GB	1 GB	3 GB
NVRAM (Per Node)	N/A	N/A	N/A
NVRAM (Per Config)	N/A	N/A	N/A
RAM (Per Node)	12 GB	12 GB	12 GB
RAM (Per Config)	12 GB	12 GB	24 GB
Onboard Ports			
Ethernet Ports	2 x RJ45 (1Gb)	2 x RJ45 (1Gb)	2 x RJ45 (1Gb)
Fibre Channel Ports	2 x SFP (4Gb)	2 x SFP (4Gb)	2 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	6 x PCIe (with IOXM)	2 x PCIe	6 x PCIe (with IOXM)
SAS Ports	2 x QSFP (6Gb)	2 x QSFP (6Gb)	2 x QSFP (6Gb)
Physical Characteristics			
Rack Units	3	3	3
Chassis Height	5.12" (13 cm)	5.12" (13 cm)	5.12" (13 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.6" (44.7 cm)	17.6" (44.7 cm)	17.6" (44.7 cm)
Chassis Depth with Cable Mgmt	23.9" (60.7 cm)	23.9" (60.7 cm)	23.9" (60.7 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

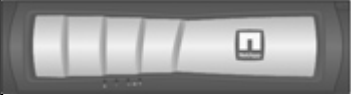
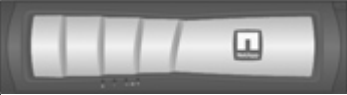
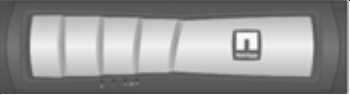
Specifications	FAS3220 Single Node with IO Expansion	FAS3220 Single Node	FAS3220 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	7.1 bels	7.1 bels	7.1 bels
Acoustic Noise - Sound Pressure	55.4 dBA	55.4 dBA	55.4 dBA
Input Power Voltage	-60 to -40	-60 to -40	-60 to -40
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1.2RC2	8.1.2RC2	8.1.2RC2
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS			
Version			
BIOS	5.3, 5.2.1	5.3, 5.2.1	5.3, 5.2.1
Service Processor Firmware	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3
Product Standards Compliance			
Certifications EMC/EMI	AS/NZS, FCC, ICES, KCC, VCCI	AS/NZS, FCC, ICES, KCC, VCCI	AS/NZS, FCC, ICES, KCC, VCCI
Certifications safety	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS
Certifications Safety/EMC/EMI	EAC, UKRSEPRO	EAC, UKRSEPRO	EAC, UKRSEPRO
Certifications Safety/EMC/EMI/RoHS	BSMI, CE	BSMI, CE	BSMI, CE
Standards EMC/EMI	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3
Standards Safety	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1
System Availability & Support			
Release Date	Nov 2012	Nov 2012	Nov 2012
End of Availability (EOA)	12-Dec-2014	12-Dec-2014	12-Dec-2014
End of Support (EOS)	31-Jan-2021	31-Jan-2021	31-Jan-2021
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

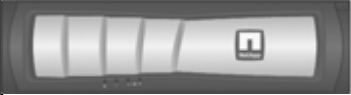
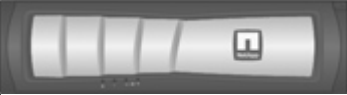
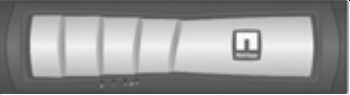
Specifications	FAS3220 Single Node with IO Expansion	FAS3220 Single Node	FAS3220 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

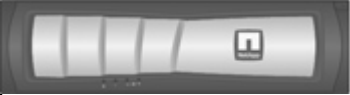
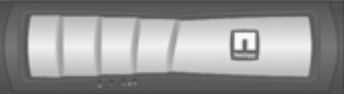
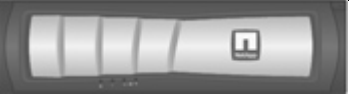
Specifications	FAS3220 Single Node with IO Expansion	FAS3220 Single Node	FAS3220 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

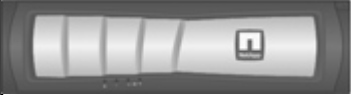
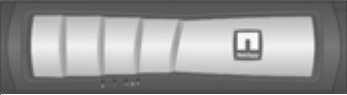
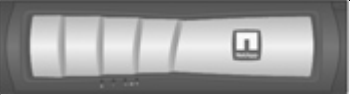
Specifications	FAS3220 Stretch MetroCluster	FAS3240 Dual Chassis HA Pair with IO Expansion	FAS3240 Fabric MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	480	600	600
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	420	600	600
Max Number of MSATA Drives	N/A	600	N/A
Max Number of NL-SAS Drives	480	600	600
Max Number of SAS Drives	480	600	600
Max Number of SATA Drives	480	600	600
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	30 external	43 external	N/A
Max Number of DS14-Mk2-FC Shelves	30 external	43 external	43 external
Max Number of DS14-Mk4-FC Shelves	30 external	43 external	43 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	20 external	25 external	25 external
Max Number of DS4243 Shelves	20 external	25 external	25 external
Max Number of DS4246 Shelves	20 external	25 external	25 external
Max Number of DS4486 Shelves	N/A	13 external	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

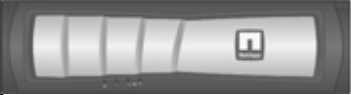
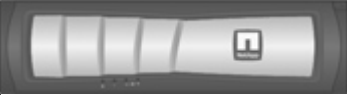
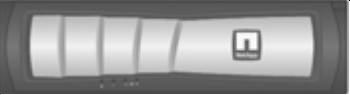
Specifications	FAS3220 Stretch MetroCluster	FAS3240 Dual Chassis HA Pair with IO Expansion	FAS3240 Fabric MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	195 GiB	195 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 4-core 2.33 Ghz	64-bit 4-core 2.33 Ghz	64-bit 4-core 2.33 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.33 Ghz	2.33 Ghz	2.33 Ghz
Processor Count (Per Node)	1	1	1
Processor Count (Per Config)	2	2	2
Processor Cores (Per CPU)	4	4	4
Processor Cores (Per Node)	4	4	4
Processor Cores (Per Config)	8	8	8
Memory			
NVMEM (Per Node)	1 GB	1 GB	1 GB
NVMEM (Per Config)	3 GB	2 GB	2 GB
NVRAM (Per Node)	N/A	N/A	N/A
NVRAM (Per Config)	N/A	N/A	N/A
RAM (Per Node)	12 GB	8 GB	8 GB
RAM (Per Config)	24 GB	16 GB	16 GB
Onboard Ports			
Ethernet Ports	2 x RJ45 (1Gb)	2 x RJ45 (1Gb)	2 x RJ45 (1Gb)
Fibre Channel Ports	2 x SFP (4Gb)	4 x SFP (4Gb)	2 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	2 x PCIe	6 x PCIe (with IOXM)	6 x PCIe (with IOXM)
SAS Ports	2 x QSFP (6Gb)	2 x QSFP (6Gb)	2 x QSFP (6Gb)
Physical Characteristics			
Rack Units	6	6	6
Chassis Height	5.12" (13 cm)	5.12" (13 cm)	5.12" (13 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.6" (44.7 cm)	17.6" (44.7 cm)	17.6" (44.7 cm)
Chassis Depth with Cable Mgmt	23.9" (60.7 cm)	23.9" (60.7 cm)	23.9" (60.7 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

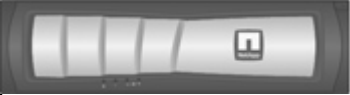
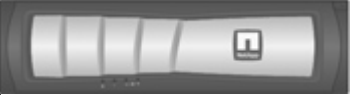
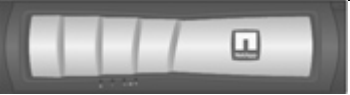
Specifications	FAS3220 Stretch MetroCluster	FAS3240 Dual Chassis HA Pair with IO Expansion	FAS3240 Fabric MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	7.1 bels	7.1 bels	7.1 bels
Acoustic Noise - Sound Pressure	55.4 dBA	55.4 dBA	55.4 dBA
Input Power Voltage	-60 to -40	-60 to -40	-60 to -40
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1.2RC2	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS			
Version			
BIOS	5.3, 5.2.1	5.3, 5.2.1	5.3, 5.2.1
Service Processor Firmware	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3
Product Standards Compliance			
Certifications EMC/EMI	AS/NZS, FCC, ICES, KCC, VCCI		
Certifications safety	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS		
Certifications Safety/EMC/EMI	EAC, UKRSEPRO		
Certifications Safety/EMC/EMI/RoHS	BSMI, CE		
Standards EMC/EMI	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3		
Standards Safety	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1		
System Availability & Support			
Release Date	Nov 2012	-	-
End of Availability (EOA)	12-Dec-2014	08-Nov-2013	08-Nov-2013
End of Support (EOS)	31-Jan-2021	31-Dec-2018	31-Dec-2018
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

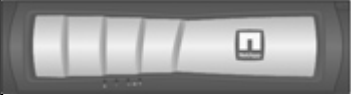
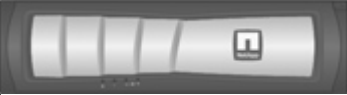
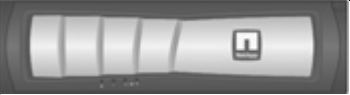
Specifications	FAS3220 Stretch MetroCluster	FAS3240 Dual Chassis HA Pair with IO Expansion	FAS3240 Fabric MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

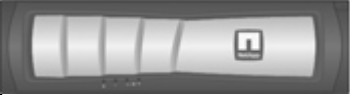
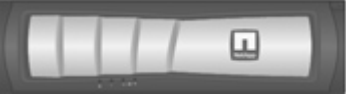
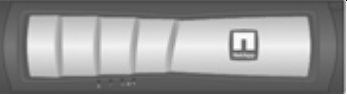
Specifications	FAS3220 Stretch MetroCluster	FAS3240 Dual Chassis HA Pair with IO Expansion	FAS3240 Fabric MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

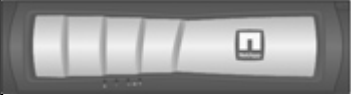
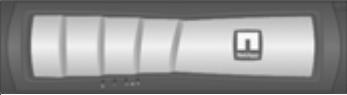
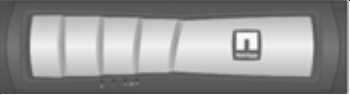
Specifications	FAS3240 Single Chassis HA Pair	FAS3240 Single Node with IO Expansion	FAS3240 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	600	600	600
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	420	600	600
Max Number of MSATA Drives	600	600	N/A
Max Number of NL-SAS Drives	600	600	600
Max Number of SAS Drives	600	600	600
Max Number of SATA Drives	600	600	600
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	30 external	43 external	43 external
Max Number of DS14-Mk2-FC Shelves	30 external	43 external	43 external
Max Number of DS14-Mk4-FC Shelves	30 external	43 external	43 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	25 external	25 external	25 external
Max Number of DS4243 Shelves	25 external	25 external	25 external
Max Number of DS4246 Shelves	25 external	25 external	25 external
Max Number of DS4486 Shelves	13 external	13 external	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

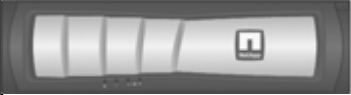
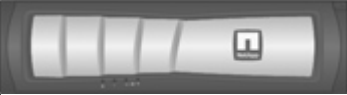
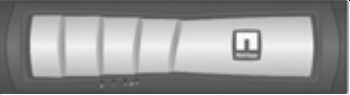
Specifications	FAS3240 Single Chassis HA Pair	FAS3240 Single Node with IO Expansion	FAS3240 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	195 GiB	195 GiB	195 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 4-core 2.33 Ghz	64-bit 4-core 2.33 Ghz	64-bit 4-core 2.33 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.33 Ghz	2.33 Ghz	2.33 Ghz
Processor Count (Per Node)	1	1	1
Processor Count (Per Config)	2	2	1
Processor Cores (Per CPU)	4	4	4
Processor Cores (Per Node)	4	4	4
Processor Cores (Per Config)	8	8	4
Memory			
NVMEM (Per Node)	1 GB	1 GB	1 GB
NVMEM (Per Config)	2 GB	1 GB	2 GB
NVRAM (Per Node)	N/A	N/A	N/A
NVRAM (Per Config)	N/A	N/A	N/A
RAM (Per Node)	8 GB	8 GB	8 GB
RAM (Per Config)	16 GB	8 GB	16 GB
Onboard Ports			
Ethernet Ports	4 x RJ45 (1Gb)	2 x RJ45 (1Gb)	2 x RJ45 (1Gb)
Fibre Channel Ports	4 x SFP (4Gb)	2 x SFP (4Gb)	2 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	4 x PCIe	6 x PCIe (with IOXM)	6 x PCIe (with IOXM)
SAS Ports	4 x QSFP (6Gb)	2 x QSFP (6Gb)	2 x QSFP (6Gb)
Physical Characteristics			
Rack Units	6	3	3
Chassis Height	5.12" (13 cm)	5.12" (13 cm)	5.12" (13 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.6" (44.7 cm)	17.6" (44.7 cm)	17.6" (44.7 cm)
Chassis Depth with Cable Mgmt	23.9" (60.7 cm)	23.9" (60.7 cm)	23.9" (60.7 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

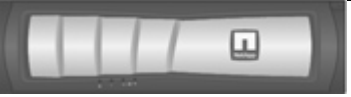
Specifications	FAS3240 Single Chassis HA Pair	FAS3240 Single Node with IO Expansion	FAS3240 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	7.1 bels	7.1 bels	7.1 bels
Acoustic Noise - Sound Pressure	55.4 dBA	55.4 dBA	55.4 dBA
Input Power Voltage	-60 to -40	-60 to -40	-60 to -40
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	5.3, 5.2.1	5.3, 5.2.1	5.3, 5.2.1
Service Processor Firmware	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	08-Nov-2013	08-Nov-2013	08-Nov-2013
End of Support (EOS)	31-Dec-2018	31-Dec-2018	31-Dec-2018
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

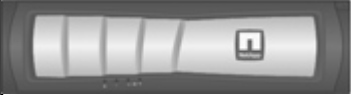
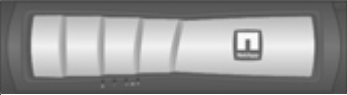
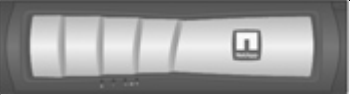
Specifications	FAS3240 Single Chassis HA Pair	FAS3240 Single Node with IO Expansion	FAS3240 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

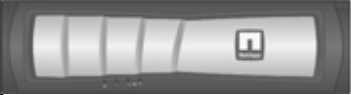
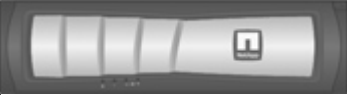
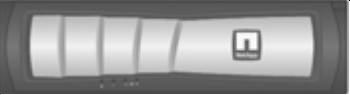
Specifications	FAS3240 Single Chassis HA Pair	FAS3240 Single Node with IO Expansion	FAS3240 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

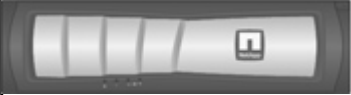
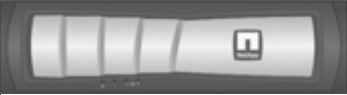
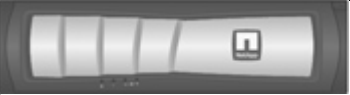
Specifications	FAS3250 Dual Chassis HA Pair with IO Expansion	FAS3250 Fabric MetroCluster with IO Expansion	FAS3250 Single Node with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	720	720	720
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	720	720	720
Max Number of MSATA Drives	720	N/A	720
Max Number of NL-SAS Drives	720	720	720
Max Number of SAS Drives	720	720	720
Max Number of SATA Drives	720	720	720
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	52 external	N/A	52 external
Max Number of DS14-Mk2-FC Shelves	52 external	52 external	52 external
Max Number of DS14-Mk4-FC Shelves	52 external	52 external	52 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	30 external	30 external	30 external
Max Number of DS4243 Shelves	30 external	30 external	30 external
Max Number of DS4246 Shelves	30 external	30 external	30 external
Max Number of DS4486 Shelves	15 external	N/A	15 external
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

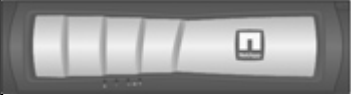
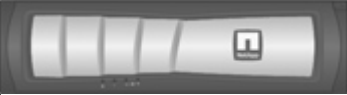
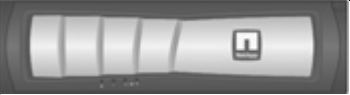
Specifications	FAS3250 Dual Chassis HA Pair with IO Expansion	FAS3250 Fabric MetroCluster with IO Expansion	FAS3250 Single Node with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 4-core 2.33 Ghz	64-bit 4-core 2.33 Ghz	64-bit 4-core 2.33 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.33 Ghz	2.33 Ghz	2.33 Ghz
Processor Count (Per Node)	2	2	2
Processor Count (Per Config)	2	4	4
Processor Cores (Per CPU)	4	4	4
Processor Cores (Per Node)	8	8	8
Processor Cores (Per Config)	8	16	16
Memory			
NVMEM (Per Node)	2 GB	2 GB	2 GB
NVMEM (Per Config)	4 GB	4 GB	2 GB
NVRAM (Per Node)	N/A	N/A	N/A
NVRAM (Per Config)	N/A	N/A	N/A
RAM (Per Node)	20 GB	20 GB	20 GB
RAM (Per Config)	40 GB	40 GB	20 GB
Onboard Ports			
Ethernet Ports	2 x RJ45 (1Gb)	2 x RJ45 (1Gb)	2 x RJ45 (1Gb)
Fibre Channel Ports	4 x SFP (4Gb)	2 x SFP (4Gb)	2 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	6 x PCIe (with IOXM)	6 x PCIe (with IOXM)	6 x PCIe (with IOXM)
SAS Ports	2 x QSFP (6Gb)	2 x QSFP (6Gb)	2 x QSFP (6Gb)
Physical Characteristics			
Rack Units	6	6	6
Chassis Height	5.12" (13 cm)	5.12" (13 cm)	5.12" (13 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.6" (44.7 cm)	17.6" (44.7 cm)	17.6" (44.7 cm)
Chassis Depth with Cable Mgmt	23.9" (60.7 cm)	23.9" (60.7 cm)	23.9" (60.7 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

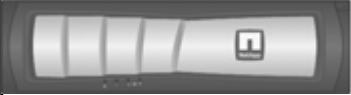
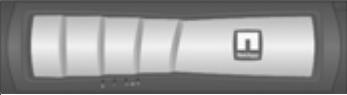
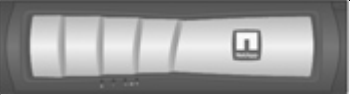
Specifications	FAS3250 Dual Chassis HA Pair with IO Expansion	FAS3250 Fabric MetroCluster with IO Expansion	FAS3250 Single Node with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	7.1 bels	7.1 bels	7.1 bels
Acoustic Noise - Sound Pressure	55.4 dBA	55.4 dBA	55.4 dBA
Input Power Voltage	-60 to -40	-60 to -40	-60 to -40
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1.2RC2	8.1.2RC2	8.1.2RC2
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS			
Version			
BIOS	5.3, 5.2.1	5.3, 5.2.1	5.3, 5.2.1
Service Processor Firmware	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3
Product Standards Compliance			
Certifications EMC/EMI	AS/NZS, FCC, ICES, KCC, VCCI	AS/NZS, FCC, ICES, KCC, VCCI	AS/NZS, FCC, ICES, KCC, VCCI
Certifications safety	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS
Certifications Safety/EMC/EMI	EAC, UKRSEPRO	EAC, UKRSEPRO	EAC, UKRSEPRO
Certifications Safety/EMC/EMI/RoHS	BSMI, CE	BSMI, CE	BSMI, CE
Standards EMC/EMI	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3
Standards Safety	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1
System Availability & Support			
Release Date	Nov 2012	Nov 2012	Nov 2012
End of Availability (EOA)	12-Dec-2014	12-Dec-2014	12-Dec-2014
End of Support (EOS)	31-Jan-2021	31-Jan-2021	31-Jan-2021
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

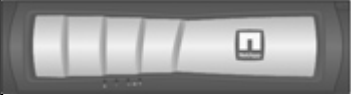
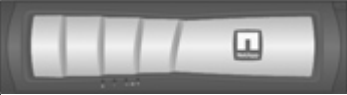
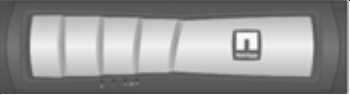
Specifications	FAS3250 Dual Chassis HA Pair with IO Expansion	FAS3250 Fabric MetroCluster with IO Expansion	FAS3250 Single Node with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

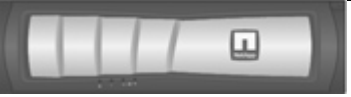
Specifications	FAS3250 Dual Chassis HA Pair with IO Expansion	FAS3250 Fabric MetroCluster with IO Expansion	FAS3250 Single Node with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

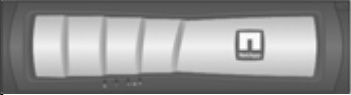
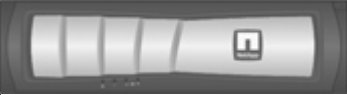
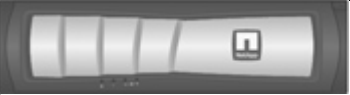
Specifications	FAS3250 Stretch MetroCluster with IO Expansion	FAS3270 Dual Chassis HA Pair with IO Expansion	FAS3270 Fabric MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	720	960	960
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	720	960	840
Max Number of MSATA Drives	N/A	960	N/A
Max Number of NL-SAS Drives	720	960	960
Max Number of SAS Drives	720	960	960
Max Number of SATA Drives	720	960	960
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	52 external	69 external	N/A
Max Number of DS14-Mk2-FC Shelves	52 external	69 external	60 external
Max Number of DS14-Mk4-FC Shelves	52 external	69 external	60 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	30 external	40 external	40 external
Max Number of DS4243 Shelves	30 external	40 external	40 external
Max Number of DS4246 Shelves	30 external	40 external	40 external
Max Number of DS4486 Shelves	N/A	20 external	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

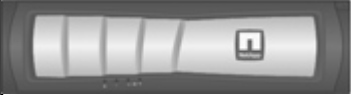
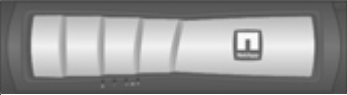
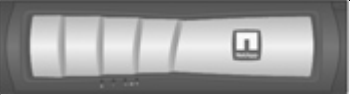
Specifications	FAS3250 Stretch MetroCluster with IO Expansion	FAS3270 Dual Chassis HA Pair with IO Expansion	FAS3270 Fabric MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 4-core 2.33 Ghz	64-bit 2-core 3.00 Ghz	64-bit 2-core 3.00 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.33 Ghz	3.00 Ghz	3.00 Ghz
Processor Count (Per Node)	2	2	2
Processor Count (Per Config)	2	4	4
Processor Cores (Per CPU)	4	2	2
Processor Cores (Per Node)	8	4	4
Processor Cores (Per Config)	8	16	8
Memory			
NVMEM (Per Node)	2 GB	1 GB	1 GB
NVMEM (Per Config)	4 GB	3 GB	3 GB
NVRAM (Per Node)	N/A	N/A	N/A
NVRAM (Per Config)	N/A	N/A	N/A
RAM (Per Node)	20 GB	20 GB	20 GB
RAM (Per Config)	40 GB	40 GB	40 GB
Onboard Ports			
Ethernet Ports	2 x RJ45 (1Gb)	2 x RJ45 (1Gb)	2 x RJ45 (1Gb)
Fibre Channel Ports	2 x SFP (4Gb)	4 x SFP (4Gb)	2 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	6 x PCIe (with IOXM)	6 x PCIe (with IOXM)	6 x PCIe (with IOXM)
SAS Ports	2 x QSFP (6Gb)	2 x QSFP (6Gb)	2 x QSFP (6Gb)
Physical Characteristics			
Rack Units	3	6	6
Chassis Height	5.12" (13 cm)	5.12" (13 cm)	5.12" (13 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.6" (44.7 cm)	17.6" (44.7 cm)	17.6" (44.7 cm)
Chassis Depth with Cable Mgmt	23.9" (60.7 cm)	23.9" (60.7 cm)	23.9" (60.7 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

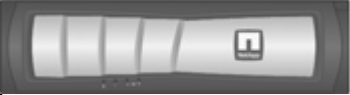
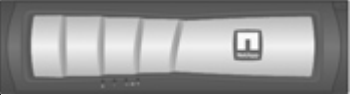
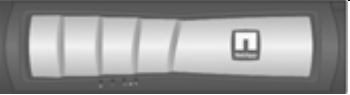
Specifications	FAS3250 Stretch MetroCluster with IO Expansion	FAS3270 Dual Chassis HA Pair with IO Expansion	FAS3270 Fabric MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	7.1 bels	7.1 bels	7.1 bels
Acoustic Noise - Sound Pressure	55.4 dBA	55.4 dBA	55.4 dBA
Input Power Voltage	-60 to -40	-60 to -40	-60 to -40
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1.2RC2	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS			
Version			
BIOS	5.3, 5.2.1	5.3, 5.2.1	5.3, 5.2.1
Service Processor Firmware	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3
Product Standards Compliance			
Certifications EMC/EMI	AS/NZS, FCC, ICES, KCC, VCCI		
Certifications safety	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS		
Certifications Safety/EMC/EMI	EAC, UKRSEPRO		
Certifications Safety/EMC/EMI/RoHS	BSMI, CE		
Standards EMC/EMI	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3		
Standards Safety	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1		
System Availability & Support			
Release Date	Nov 2012	-	-
End of Availability (EOA)	12-Dec-2014	08-Nov-2013	08-Nov-2013
End of Support (EOS)	31-Jan-2021	31-Dec-2018	31-Dec-2018
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

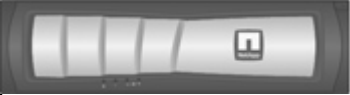
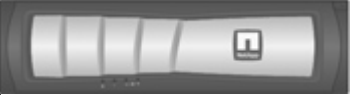
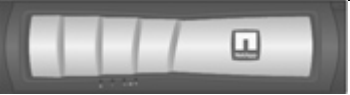
Specifications	FAS3250 Stretch MetroCluster with IO Expansion	FAS3270 Dual Chassis HA Pair with IO Expansion	FAS3270 Fabric MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

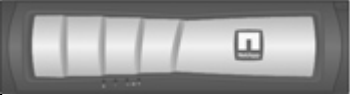
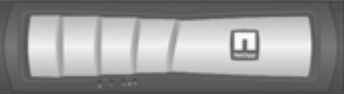
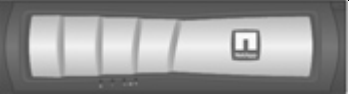
Specifications	FAS3250 Stretch MetroCluster with IO Expansion	FAS3270 Dual Chassis HA Pair with IO Expansion	FAS3270 Fabric MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

Specifications	FAS3270 Single Chassis HA Pair	FAS3270 Single Node with IO Expansion	FAS3270 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	960	960	960
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	420	960	840
Max Number of MSATA Drives	960	960	N/A
Max Number of NL-SAS Drives	960	960	960
Max Number of SAS Drives	960	960	960
Max Number of SATA Drives	960	960	960
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	30 external	69 external	69 external
Max Number of DS14-Mk2-FC Shelves	30 external	69 external	69 external
Max Number of DS14-Mk4-FC Shelves	30 external	69 external	69 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	40 external	40 external	40 external
Max Number of DS4243 Shelves	40 external	40 external	40 external
Max Number of DS4246 Shelves	40 external	40 external	40 external
Max Number of DS4486 Shelves	20 external	20 external	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

Specifications	FAS3270 Single Chassis HA Pair	FAS3270 Single Node with IO Expansion	FAS3270 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 2-core 3.00 Ghz	64-bit 2-core 3.00 Ghz	64-bit 2-core 3.00 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	3.00 Ghz	3.00 Ghz	3.00 Ghz
Processor Count (Per Node)	2	2	2
Processor Count (Per Config)	4	4	2
Processor Cores (Per CPU)	2	2	2
Processor Cores (Per Node)	4	4	4
Processor Cores (Per Config)	8	8	4
Memory			
NVMEM (Per Node)	1 GB	1 GB	1 GB
NVMEM (Per Config)	3 GB	1 GB	3 GB
NVRAM (Per Node)	N/A	N/A	N/A
NVRAM (Per Config)	N/A	N/A	N/A
RAM (Per Node)	20 GB	20 GB	20 GB
RAM (Per Config)	40 GB	20 GB	40 GB
Onboard Ports			
Ethernet Ports	4 x RJ45 (1Gb)	2 x RJ45 (1Gb)	2 x RJ45 (1Gb)
Fibre Channel Ports	4 x SFP (4Gb)	2 x SFP (4Gb)	2 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	4 x PCIe	6 x PCIe (with IOXM)	6 x PCIe (with IOXM)
SAS Ports	4 x QSFP (6Gb)	2 x QSFP (6Gb)	2 x QSFP (6Gb)
Physical Characteristics			
Rack Units	6	3	3
Chassis Height	5.12" (13 cm)	5.12" (13 cm)	5.12" (13 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.6" (44.7 cm)	17.6" (44.7 cm)	17.6" (44.7 cm)
Chassis Depth with Cable Mgmt	23.9" (60.7 cm)	23.9" (60.7 cm)	23.9" (60.7 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

Specifications	FAS3270 Single Chassis HA Pair	FAS3270 Single Node with IO Expansion	FAS3270 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	7.1 bels	7.1 bels	7.1 bels
Acoustic Noise - Sound Pressure	55.4 dBA	55.4 dBA	55.4 dBA
Input Power Voltage	-60 to -40	-60 to -40	-60 to -40
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	5.3, 5.2.1	5.3, 5.2.1	5.3, 5.2.1
Service Processor Firmware	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	08-Nov-2013	08-Nov-2013	08-Nov-2013
End of Support (EOS)	31-Dec-2018	31-Dec-2018	31-Dec-2018
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

Specifications	FAS3270 Single Chassis HA Pair	FAS3270 Single Node with IO Expansion	FAS3270 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

Specifications	FAS3270 Single Chassis HA Pair	FAS3270 Single Node with IO Expansion	FAS3270 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

	FAS6030 Fabric MetroCluster	FAS6030 Single Chassis HA Pair	FAS6030 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	840	840	840
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	840	840	840
Max Number of MSATA Drives	N/A	840	840
Max Number of NL-SAS Drives	840	840	840
Max Number of SAS Drives	840	840	840
Max Number of SATA Drives	840	840	840
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	N/A	60 external	60 external
Max Number of DS14-Mk2-FC Shelves	60 external	60 external	60 external
Max Number of DS14-Mk4-FC Shelves	60 external	60 external	60 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	35 external	35 external	35 external
Max Number of DS4243 Shelves	35 external	35 external	35 external
Max Number of DS4246 Shelves	35 external	35 external	35 external
Max Number of DS4486 Shelves	N/A	18 external	18 external
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

	FAS6030 Fabric MetroCluster	FAS6030 Single Chassis HA Pair	FAS6030 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 1 core 2.80 Ghz	64-bit 1 core 2.80 Ghz	64-bit 1 core 2.80 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.80 Ghz	2.80 Ghz	2.80 Ghz
Processor Count (Per Node)	2	2	2
Processor Count (Per Config)	4	4	4
Processor Cores (Per CPU)	1	1	1
Processor Cores (Per Node)	2	2	2
Processor Cores (Per Config)	8	4	4
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	0 GB	0 GB	0 GB
NVRAM (Per Config)	1 GB	1 GB	0 GB
RAM (Per Node)	16 GB	16 GB	16 GB
RAM (Per Config)	32 GB	32 GB	16 GB
Onboard Ports			
Ethernet Ports	6 x RJ45 (1Gb)	6 x RJ45 (1Gb)	6 x RJ45 (1Gb)
Fibre Channel Ports	8 x SFP (2Gb)	16 x SFP (2Gb)	8 x SFP (2Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	3 x PCI-X, 5 x PCIe	3 x PCI-X, 5 x PCIe	3 x PCI-X, 5 x PCIe
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	6	12	12
Chassis Height	10.32" (26.21 cm)	10.32" (26.21 cm)	10.32" (26.21 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.53" (44.52 cm)	17.53" (44.52 cm)	17.53" (44.52 cm)
Chassis Depth with Cable Mgmt	29" (73.66 cm)	29" (73.66 cm)	29" (73.66 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	25.02" (63.5 cm)	25.02" (63.5 cm)	25.02" (63.5 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	40.19" (102 cm)	40.19" (102 cm)	40.19" (102 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

	FAS6030 Fabric MetroCluster	FAS6030 Single Chassis HA Pair	FAS6030 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	-	-	-
Storage Altitude Range	-	-	-
Transit Altitude Range	-	-	-
Acoustic Noise - Sound Power	-	-	-
Acoustic Noise - Sound Pressure	56.5 dBA	-	56.5 dBA
Input Power Voltage	100 to 120	-	100 to 120
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	1.9	1.9	1.9
Service Processor Firmware	N/A	N/A	N/A
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	01-May-2009	01-May-2009	01-May-2009
End of Support (EOS)	01-Jun-2014	01-Jun-2014	01-Jun-2014
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

	FAS6030 Fabric MetroCluster	FAS6030 Single Chassis HA Pair	FAS6030 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

	FAS6030 Fabric MetroCluster	FAS6030 Single Chassis HA Pair	FAS6030 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

	FAS6030 Stretch MetroCluster	FAS6040 Fabric MetroCluster	FAS6040 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	840	840	840
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	840	840	840
Max Number of MSATA Drives	N/A	N/A	840
Max Number of NL-SAS Drives	840	840	840
Max Number of SAS Drives	840	840	840
Max Number of SATA Drives	840	840	840
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	60 external	N/A	60 external
Max Number of DS14-Mk2-FC Shelves	60 external	60 external	60 external
Max Number of DS14-Mk4-FC Shelves	60 external	60 external	60 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	35 external	35 external	35 external
Max Number of DS4243 Shelves	35 external	35 external	35 external
Max Number of DS4246 Shelves	35 external	35 external	35 external
Max Number of DS4486 Shelves	N/A	N/A	18 external
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

	FAS6030 Stretch MetroCluster	FAS6040 Fabric MetroCluster	FAS6040 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 1 core 2.80 Ghz	64-bit 1 core 2.80 Ghz	64-bit 1 core 2.80 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.80 Ghz	2.80 Ghz	2.80 Ghz
Processor Count (Per Node)	2	2	2
Processor Count (Per Config)	2	4	4
Processor Cores (Per CPU)	1	1	1
Processor Cores (Per Node)	2	2	2
Processor Cores (Per Config)	2	4	4
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	0 GB	0 GB	0 GB
NVRAM (Per Config)	1 GB	1 GB	1 GB
RAM (Per Node)	16 GB	16 GB	16 GB
RAM (Per Config)	32 GB	32 GB	32 GB
Onboard Ports			
Ethernet Ports	6 x RJ45 (1Gb)	6 x RJ45 (1Gb)	6 x RJ45 (1Gb)
Fibre Channel Ports	8 x SFP (2Gb)	8 x SFP (4Gb)	16 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	3 x PCI-X, 4 x PCIe	3 x PCI-X, 5 x PCIe	3 x PCI-X, 5 x PCIe
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	6	12	12
Chassis Height	10.32" (26.21 cm)	10.32" (26.21 cm)	10.32" (26.21 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.53" (44.52 cm)	17.53" (44.52 cm)	17.53" (44.52 cm)
Chassis Depth with Cable Mgmt	29" (73.66 cm)	29" (73.66 cm)	29" (73.66 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	25.02" (63.5 cm)	25.02" (63.5 cm)	25.02" (63.5 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	40.19" (102 cm)	40.19" (102 cm)	40.19" (102 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

	FAS6030 Stretch MetroCluster	FAS6040 Fabric MetroCluster	FAS6040 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	-	-	-
Storage Altitude Range	-	-	-
Transit Altitude Range	-	-	-
Acoustic Noise - Sound Power	-	-	-
Acoustic Noise - Sound Pressure	56.5 dBA	56.5 dBA	56.5 dBA
Input Power Voltage	100 to 120	100 to 120	100 to 120
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	1.9	1.9	1.9
Service Processor Firmware	N/A	N/A	N/A
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	01-May-2009	09-Mar-2012	09-Mar-2012
End of Support (EOS)	01-Jun-2014	30-Apr-2017	30-Apr-2017
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

	FAS6030 Stretch MetroCluster	FAS6040 Fabric MetroCluster	FAS6040 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

	FAS6030 Stretch MetroCluster	FAS6040 Fabric MetroCluster	FAS6040 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

	FAS6040 Single Node	FAS6040 Stretch MetroCluster	FAS6070 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	840	840	1008
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	840	840	840
Max Number of MSATA Drives	840	N/A	N/A
Max Number of NL-SAS Drives	840	840	1008
Max Number of SAS Drives	840	840	1008
Max Number of SATA Drives	840	840	1008
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	60 external	60 external	N/A
Max Number of DS14-Mk2-FC Shelves	60 external	60 external	60 external
Max Number of DS14-Mk4-FC Shelves	60 external	60 external	60 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	35 external	35 external	42 external
Max Number of DS4243 Shelves	35 external	35 external	42 external
Max Number of DS4246 Shelves	35 external	35 external	42 external
Max Number of DS4486 Shelves	18 external	N/A	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

	FAS6040 Single Node	FAS6040 Stretch MetroCluster	FAS6070 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 1 core 2.80 Ghz	64-bit 1 core 2.80 Ghz	64-bit 1 core 2.80 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.80 Ghz	2.80 Ghz	2.80 Ghz
Processor Count (Per Node)	2	2	4
Processor Count (Per Config)	4	2	4
Processor Cores (Per CPU)	1	1	1
Processor Cores (Per Node)	2	2	4
Processor Cores (Per Config)	4	2	4
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	0 GB	0 GB	2 GB
NVRAM (Per Config)	0 GB	1 GB	4 GB
RAM (Per Node)	16 GB	16 GB	32 GB
RAM (Per Config)	16 GB	32 GB	64 GB
Onboard Ports			
Ethernet Ports	6 x RJ45 (1Gb)	6 x RJ45 (1Gb)	6 x RJ45 (1Gb)
Fibre Channel Ports	8 x SFP (4Gb)	8 x SFP (4Gb)	8 x SFP (2Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	3 x PCI-X, 5 x PCIe	3 x PCI-X, 5 x PCIe	3 x PCI-X, 5 x PCIe
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	12	6	12
Chassis Height	10.32" (26.21 cm)	10.32" (26.21 cm)	10.32" (26.21 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.53" (44.52 cm)	17.53" (44.52 cm)	17.53" (44.52 cm)
Chassis Depth with Cable Mgmt	29" (73.66 cm)	29" (73.66 cm)	29" (73.66 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	25.02" (63.5 cm)	25.02" (63.5 cm)	25.02" (63.5 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	40.19" (102 cm)	40.19" (102 cm)	40.19" (102 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

	FAS6040 Single Node	FAS6040 Stretch MetroCluster	FAS6070 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	-	-	-
Storage Altitude Range	-	-	-
Transit Altitude Range	-	-	-
Acoustic Noise - Sound Power	-	-	-
Acoustic Noise - Sound Pressure	56.5 dBA	56.5 dBA	56.5 dBA
Input Power Voltage	100 to 120	100 to 120	100 to 120
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	1.9	1.9	1.9
Service Processor Firmware	N/A	N/A	N/A
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	09-Mar-2012	09-Mar-2012	01-May-2009
End of Support (EOS)	30-Apr-2017	30-Apr-2017	01-Jun-2014
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

	FAS6040 Single Node	FAS6040 Stretch MetroCluster	FAS6070 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

	FAS6040 Single Node	FAS6040 Stretch MetroCluster	FAS6070 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

	FAS6070 Single Chassis HA Pair	FAS6070 Single Node	FAS6070 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	1008	1008	1008
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	1008	1008	840
Max Number of MSATA Drives	1008	1008	N/A
Max Number of NL-SAS Drives	1008	1008	1008
Max Number of SAS Drives	1008	1008	1008
Max Number of SATA Drives	1008	1008	1008
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	72 external	72 external	72 external
Max Number of DS14-Mk2-FC Shelves	72 external	72 external	72 external
Max Number of DS14-Mk4-FC Shelves	72 external	72 external	72 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	42 external	42 external	42 external
Max Number of DS4243 Shelves	42 external	42 external	42 external
Max Number of DS4246 Shelves	42 external	42 external	42 external
Max Number of DS4486 Shelves	21 external	21 external	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

	FAS6070 Single Chassis HA Pair	FAS6070 Single Node	FAS6070 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 1 core 2.80 Ghz	64-bit 1 core 2.80 Ghz	64-bit 1 core 2.80 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.80 Ghz	2.80 Ghz	2.80 Ghz
Processor Count (Per Node)	4	4	4
Processor Count (Per Config)	8	8	4
Processor Cores (Per CPU)	1	1	1
Processor Cores (Per Node)	4	4	4
Processor Cores (Per Config)	8	8	4
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	2 GB	2 GB	2 GB
NVRAM (Per Config)	4 GB	2 GB	4 GB
RAM (Per Node)	32 GB	32 GB	32 GB
RAM (Per Config)	64 GB	32 GB	64 GB
Onboard Ports			
Ethernet Ports	6 x RJ45 (1Gb)	6 x RJ45 (1Gb)	6 x RJ45 (1Gb)
Fibre Channel Ports	16 x SFP (2Gb)	8 x SFP (2Gb)	8 x SFP (2Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	3 x PCI-X, 5 x PCIe	3 x PCI-X, 5 x PCIe	3 x PCI-X, 4 x PCIe
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	12	12	6
Chassis Height	10.32" (26.21 cm)	10.32" (26.21 cm)	10.32" (26.21 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.53" (44.52 cm)	17.53" (44.52 cm)	17.53" (44.52 cm)
Chassis Depth with Cable Mgmt	29" (73.66 cm)	29" (73.66 cm)	29" (73.66 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	25.02" (63.5 cm)	25.02" (63.5 cm)	25.02" (63.5 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	40.19" (102 cm)	40.19" (102 cm)	40.19" (102 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

	FAS6070 Single Chassis HA Pair	FAS6070 Single Node	FAS6070 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	-	-	-
Storage Altitude Range	-	-	-
Transit Altitude Range	-	-	-
Acoustic Noise - Sound Power	-	-	-
Acoustic Noise - Sound Pressure	-	56.5 dBA	56.5 dBA
Input Power Voltage	-	100 to 120	100 to 120
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	1.9	1.9	1.9
Service Processor Firmware	N/A	N/A	N/A
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	01-May-2009	01-May-2009	01-May-2009
End of Support (EOS)	01-Jun-2014	01-Jun-2014	01-Jun-2014
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

	FAS6070 Single Chassis HA Pair	FAS6070 Single Node	FAS6070 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

	FAS6070 Single Chassis HA Pair	FAS6070 Single Node	FAS6070 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

	FAS6080 Fabric MetroCluster	FAS6080 Single Chassis HA Pair	FAS6080 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	1176	1176	1176
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	840	1176	1176
Max Number of MSATA Drives	N/A	1176	1176
Max Number of NL-SAS Drives	1176	1176	1176
Max Number of SAS Drives	1176	1176	1176
Max Number of SATA Drives	1176	1176	1176
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	N/A	84 external	84 external
Max Number of DS14-Mk2-FC Shelves	60 external	84 external	84 external
Max Number of DS14-Mk4-FC Shelves	60 external	84 external	84 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	49 external	49 external	49 external
Max Number of DS4243 Shelves	49 external	49 external	49 external
Max Number of DS4246 Shelves	49 external	49 external	49 external
Max Number of DS4486 Shelves	N/A	25 external	25 external
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

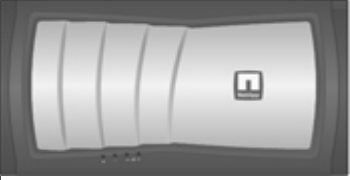
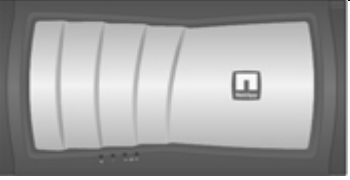
	FAS6080 Fabric MetroCluster	FAS6080 Single Chassis HA Pair	FAS6080 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 2-core 2.80 Ghz	64-bit 2-core 2.80 Ghz	64-bit 2-core 2.80 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.80 Ghz	2.80 Ghz	2.80 Ghz
Processor Count (Per Node)	4	4	4
Processor Count (Per Config)	8	8	8
Processor Cores (Per CPU)	2	2	2
Processor Cores (Per Node)	8	8	8
Processor Cores (Per Config)	8	16	16
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	2 GB	2 GB	2 GB
NVRAM (Per Config)	4 GB	4 GB	2 GB
RAM (Per Node)	32 GB	32 GB	32 GB
RAM (Per Config)	64 GB	64 GB	32 GB
Onboard Ports			
Ethernet Ports	6 x RJ45 (1Gb)	6 x RJ45 (1Gb)	6 x RJ45 (1Gb)
Fibre Channel Ports	8 x SFP (4Gb)	16 x SFP (4Gb)	8 x SFP (4Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	3 x PCI-X, 5 x PCIe	3 x PCI-X, 5 x PCIe	3 x PCI-X, 5 x PCIe
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	12	12	12
Chassis Height	10.32" (26.21 cm)	10.32" (26.21 cm)	10.32" (26.21 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.53" (44.52 cm)	17.53" (44.52 cm)	17.53" (44.52 cm)
Chassis Depth with Cable Mgmt	29" (73.66 cm)	29" (73.66 cm)	29" (73.66 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance			
Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	25.02" (63.5 cm)	25.02" (63.5 cm)	25.02" (63.5 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	40.19" (102 cm)	40.19" (102 cm)	40.19" (102 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

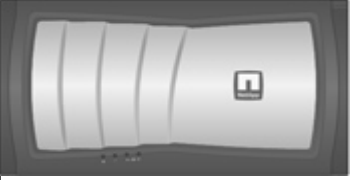
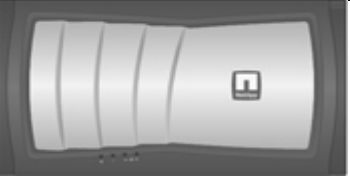
	FAS6080 Fabric MetroCluster	FAS6080 Single Chassis HA Pair	FAS6080 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	-	-	-
Storage Altitude Range	-	-	-
Transit Altitude Range	-	-	-
Acoustic Noise - Sound Power	-	-	-
Acoustic Noise - Sound Pressure	56.5 dBA	56.5 dBA	56.5 dBA
Input Power Voltage	100 to 120	100 to 120	100 to 120
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	1.9	1.9	1.9
Service Processor Firmware	N/A	N/A	N/A
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	09-Mar-2012	09-Mar-2012	09-Mar-2012
End of Support (EOS)	30-Apr-2017	30-Apr-2017	30-Apr-2017
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

	FAS6080 Fabric MetroCluster	FAS6080 Single Chassis HA Pair	FAS6080 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

	FAS6080 Fabric MetroCluster	FAS6080 Single Chassis HA Pair	FAS6080 Single Node
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

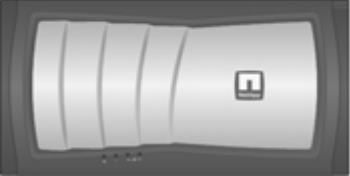
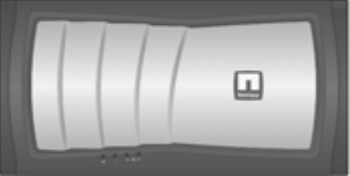
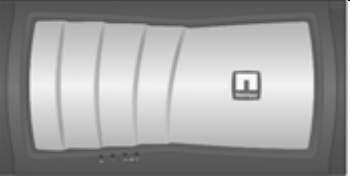
	FAS6080 Stretch MetroCluster	FAS6210 Fabric MetroCluster	FAS6210 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	1176	1200	1200
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	840	840	1008
Max Number of MSATA Drives	N/A	N/A	1200
Max Number of NL-SAS Drives	1176	1200	1200
Max Number of SAS Drives	1176	1200	1200
Max Number of SATA Drives	1176	1200	1200
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	84 external	N/A	72 external
Max Number of DS14-Mk2-FC Shelves	84 external	60 external	72 external
Max Number of DS14-Mk4-FC Shelves	84 external	60 external	72 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	49 external	50 external	50 external
Max Number of DS4243 Shelves	49 external	50 external	50 external
Max Number of DS4246 Shelves	49 external	50 external	50 external
Max Number of DS4486 Shelves	N/A	N/A	25 external
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

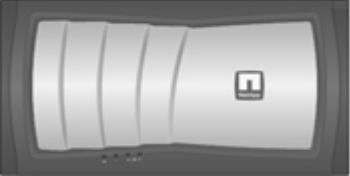
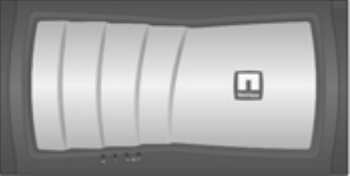
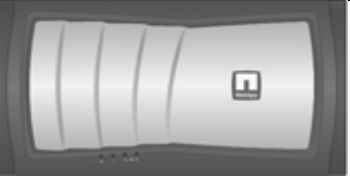
	FAS6080 Stretch MetroCluster	FAS6210 Fabric MetroCluster	FAS6210 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 2-core 2.80 Ghz	64-bit 4-core 2.26 Ghz	64-bit 4-core 2.26 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.80 Ghz	2.26 Ghz	2.26 Ghz
Processor Count (Per Node)	4	2	2
Processor Count (Per Config)	4	8	4
Processor Cores (Per CPU)	2	4	4
Processor Cores (Per Node)	8	8	8
Processor Cores (Per Config)	8	16	16
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	2 GB	4 GB	4 GB
NVRAM (Per Config)	4 GB	8 GB	8 GB
RAM (Per Node)	32 GB	24 GB	24 GB
RAM (Per Config)	64 GB	48 GB	48 GB
Onboard Ports			
Ethernet Ports	6 x RJ45 (1Gb)	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)	4 x RJ45 (1Gb) 8 x SFP+ (10Gb)
Fibre Channel Ports	8 x SFP (4Gb)	4 x SFP+ (8Gb)	8 x SFP+ (8Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	3 x PCI-X, 5 x PCIe	5 x PCIe ^[1]	10 x PCIe ^[1]
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	6	12	12
Chassis Height	10.32" (26.21 cm)	10.18" (25.86 cm)	10.18" (25.86 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.53" (44.52 cm)	17.59" (44.68 cm)	17.59" (44.68 cm)
Chassis Depth with Cable Mgmt	29" (73.66 cm)	29" (73.66 cm)	29" (73.66 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	25.02" (63.5 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	40.19" (102 cm)	36.01" (91.4 cm)	36.01" (91.4 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

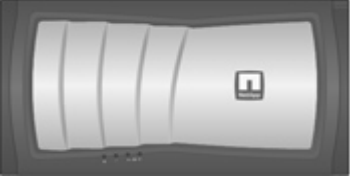
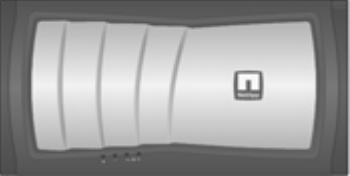
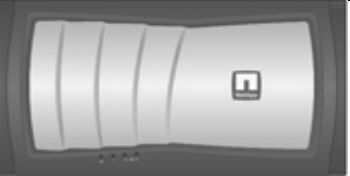
	FAS6080 Stretch MetroCluster	FAS6210 Fabric MetroCluster	FAS6210 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	-	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	-	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	-	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	-	7.5 bels	7.5 bels
Acoustic Noise - Sound Pressure	56.5 dBA	61.3 dBA	61.3 dBA
Input Power Voltage	100 to 120	100 to 120	200 to 240
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	1.9	7.4, 7.3	7.4, 7.3
Service Processor Firmware	N/A	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	09-Mar-2012	08-Nov-2013	08-Nov-2013
End of Support (EOS)	30-Apr-2017	31-Dec-2018	31-Dec-2018
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

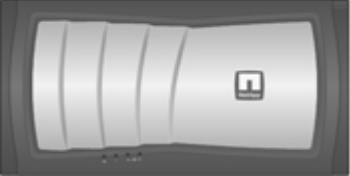
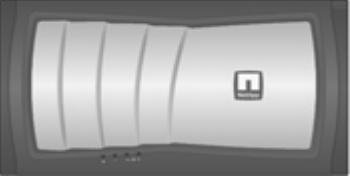
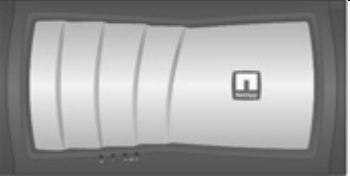
	FAS6080 Stretch MetroCluster	FAS6210 Fabric MetroCluster	FAS6210 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

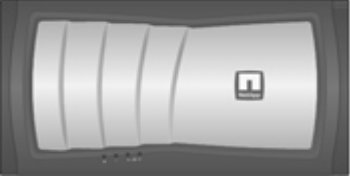
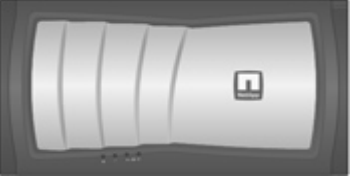
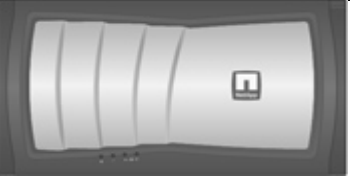
	FAS6080 Stretch MetroCluster	FAS6210 Fabric MetroCluster	FAS6210 Single Chassis HA Pair
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

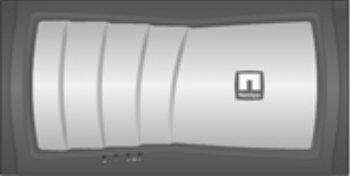
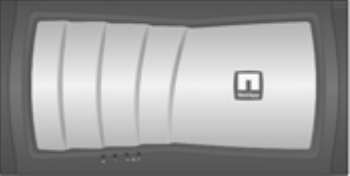
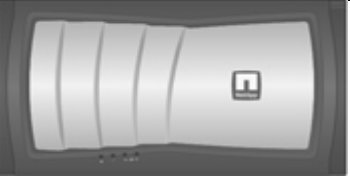
	FAS6210 Single Node	FAS6210 Stretch MetroCluster	FAS6220 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	1200	1200	1200
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	1008	840	840
Max Number of MSATA Drives	1200	N/A	N/A
Max Number of NL-SAS Drives	1200	1200	1200
Max Number of SAS Drives	1200	1200	1200
Max Number of SATA Drives	1200	1200	1200
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	72 external	72 external	N/A
Max Number of DS14-Mk2-FC Shelves	72 external	72 external	60 external
Max Number of DS14-Mk4-FC Shelves	72 external	72 external	60 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	50 external	50 external	50 external
Max Number of DS4243 Shelves	50 external	50 external	50 external
Max Number of DS4246 Shelves	50 external	50 external	50 external
Max Number of DS4486 Shelves	25 external	N/A	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

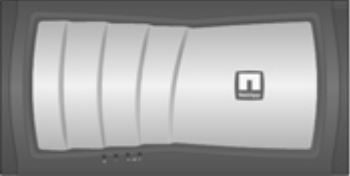
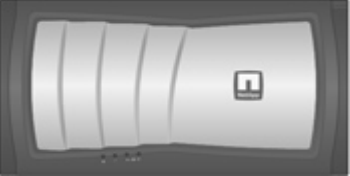
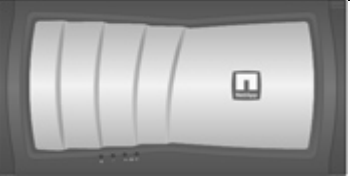
	FAS6210 Single Node	FAS6210 Stretch MetroCluster	FAS6220 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 4-core 2.26 Ghz	64-bit 4-core 2.26 Ghz	64-bit 4-core 2.26 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.26 Ghz	2.26 Ghz	2.26 Ghz
Processor Count (Per Node)	2	2	2
Processor Count (Per Config)	4	2	4
Processor Cores (Per CPU)	4	4	4
Processor Cores (Per Node)	8	8	8
Processor Cores (Per Config)	16	8	16
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	4 GB	4 GB	4 GB
NVRAM (Per Config)	4 GB	8 GB	8 GB
RAM (Per Node)	24 GB	24 GB	48 GB
RAM (Per Config)	24 GB	48 GB	96 GB
Onboard Ports			
Ethernet Ports	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)
Fibre Channel Ports	4 x SFP+ (8Gb)	4 x SFP+ (8Gb)	4 x SFP+ (8Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	5 x PCIe ^[1]	5 x PCIe ^[1]	5 x PCIe ^[1]
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	6	6	12
Chassis Height	10.18" (25.86 cm)	10.18" (25.86 cm)	10.18" (25.86 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.59" (44.68 cm)	17.59" (44.68 cm)	17.59" (44.68 cm)
Chassis Depth with Cable Mgmt	29" (73.66 cm)	29" (73.66 cm)	29" (73.66 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance			
Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	36.01" (91.4 cm)	36.01" (91.4 cm)	36.01" (91.4 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

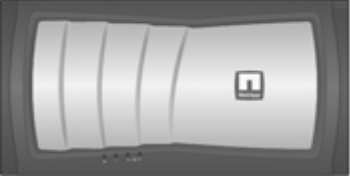
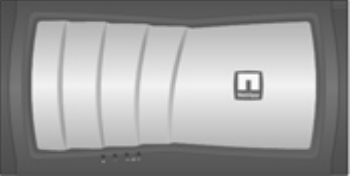
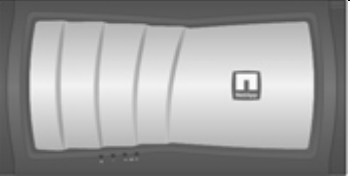
	FAS6210 Single Node	FAS6210 Stretch MetroCluster	FAS6220 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	7.5 bels	7.5 bels	7.5 bels
Acoustic Noise - Sound Pressure	61.3 dBA	61.3 dBA	61.3 dBA
Input Power Voltage	100 to 120	100 to 120	100 to 120
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1.2
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	7.4, 7.3	7.4, 7.3	7.4, 7.3
Service Processor Firmware	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3
Product Standards Compliance			
Certifications EMC/EMI			AS/NZS, FCC, ICES, KCC, VCCI
Certifications safety			BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS
Certifications Safety/EMC/EMI			EAC, UKRSEPRO
Certifications Safety/EMC/EMI/RoHS			BSMI, CE
Standards EMC/EMI			CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3
Standards Safety			ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1
System Availability & Support			
Release Date	-	-	Feb 2013
End of Availability (EOA)	08-Nov-2013	08-Nov-2013	13-Mar-2015
End of Support (EOS)	31-Dec-2018	31-Dec-2018	30-Apr-2021
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

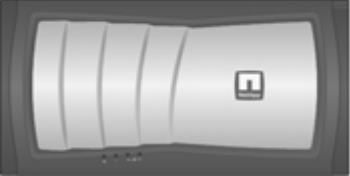
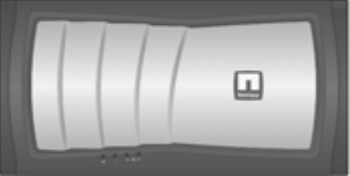
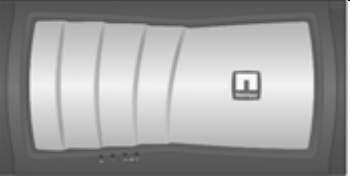
	FAS6210 Single Node	FAS6210 Stretch MetroCluster	FAS6220 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

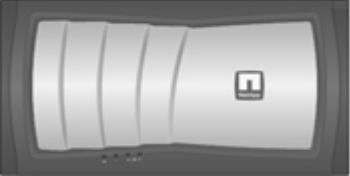
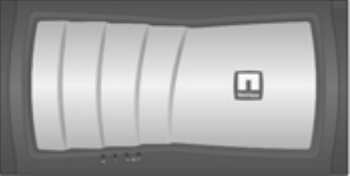
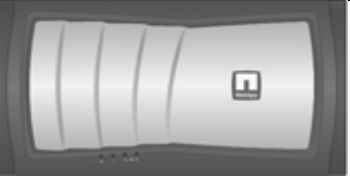
	FAS6210 Single Node	FAS6210 Stretch MetroCluster	FAS6220 Fabric MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

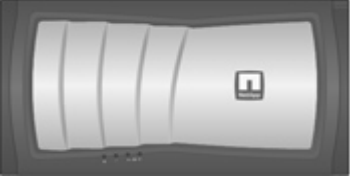
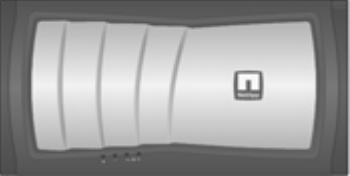
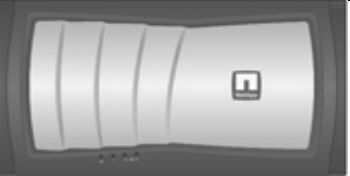
	FAS6220 Single Chassis HA Pair	FAS6220 Single Node	FAS6220 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	1200	1200	1200
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	1008	1008	840
Max Number of MSATA Drives	1200	1200	N/A
Max Number of NL-SAS Drives	1200	1200	1200
Max Number of SAS Drives	1200	1200	1200
Max Number of SATA Drives	1200	1200	1200
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	72 external	72 external	72 external
Max Number of DS14-Mk2-FC Shelves	72 external	72 external	72 external
Max Number of DS14-Mk4-FC Shelves	72 external	72 external	72 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	50 external	50 external	50 external
Max Number of DS4243 Shelves	50 external	50 external	50 external
Max Number of DS4246 Shelves	50 external	50 external	50 external
Max Number of DS4486 Shelves	25 external	25 external	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

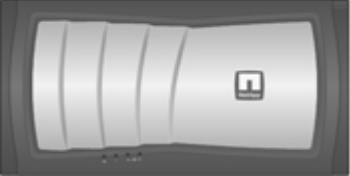
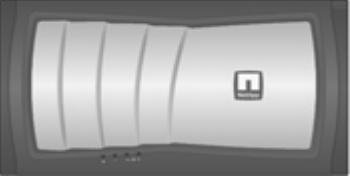
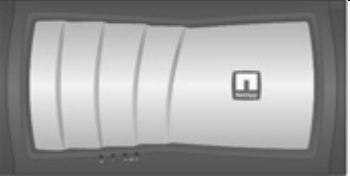
	FAS6220 Single Chassis HA Pair	FAS6220 Single Node	FAS6220 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 4-core 2.26 Ghz	64-bit 4-core 2.26 Ghz	64-bit 4-core 2.26 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.26 Ghz	2.26 Ghz	2.26 Ghz
Processor Count (Per Node)	2	2	2
Processor Count (Per Config)	4	4	2
Processor Cores (Per CPU)	4	4	4
Processor Cores (Per Node)	8	8	8
Processor Cores (Per Config)	16	16	8
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	4 GB	4 GB	4 GB
NVRAM (Per Config)	8 GB	4 GB	8 GB
RAM (Per Node)	48 GB	48 GB	48 GB
RAM (Per Config)	96 GB	48 GB	96 GB
Onboard Ports			
Ethernet Ports	4 x RJ45 (1Gb) 8 x SFP+ (10Gb)	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)
Fibre Channel Ports	8 x SFP+ (8Gb)	4 x SFP+ (8Gb)	4 x SFP+ (8Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	10 x PCIe ^[1]	5 x PCIe ^[1]	5 x PCIe ^[1]
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	12	6	6
Chassis Height	10.18" (25.86 cm)	10.18" (25.86 cm)	10.18" (25.86 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.59" (44.68 cm)	17.59" (44.68 cm)	17.59" (44.68 cm)
Chassis Depth with Cable Mgmt	29" (73.66 cm)	29" (73.66 cm)	29" (73.66 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	36.01" (91.4 cm)	36.01" (91.4 cm)	36.01" (91.4 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

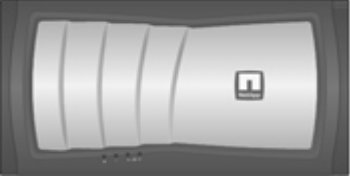
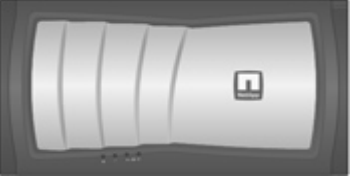
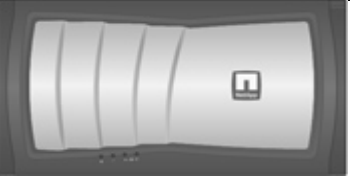
	FAS6220 Single Chassis HA Pair	FAS6220 Single Node	FAS6220 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	7.5 bels	7.5 bels	7.5 bels
Acoustic Noise - Sound Pressure	61.3 dBA	61.3 dBA	61.3 dBA
Input Power Voltage	200 to 240	100 to 120	100 to 120
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1.2	8.1.2	8.1.2
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS			
Version			
BIOS	7.4, 7.3	7.4, 7.3	7.4, 7.3
Service Processor Firmware	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3
Product Standards Compliance			
Certifications EMC/EMI	AS/NZS, FCC, ICES, KCC, VCCI	AS/NZS, FCC, ICES, KCC, VCCI	AS/NZS, FCC, ICES, KCC, VCCI
Certifications safety	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS
Certifications Safety/EMC/EMI	EAC, UKRSEPRO	EAC, UKRSEPRO	EAC, UKRSEPRO
Certifications Safety/EMC/EMI/RoHS	BSMI, CE	BSMI, CE	BSMI, CE
Standards EMC/EMI	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3
Standards Safety	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1
System Availability & Support			
Release Date	Feb 2013	Feb 2013	Feb 2013
End of Availability (EOA)	13-Mar-2015	13-Mar-2015	13-Mar-2015
End of Support (EOS)	30-Apr-2021	30-Apr-2021	30-Apr-2021
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

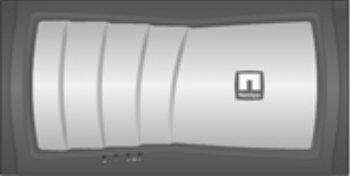
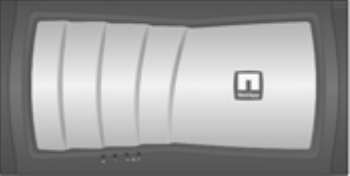
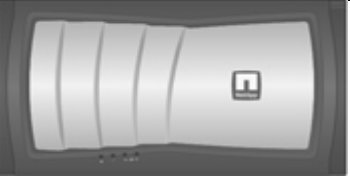
	FAS6220 Single Chassis HA Pair	FAS6220 Single Node	FAS6220 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

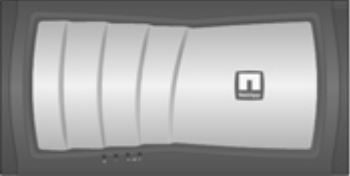
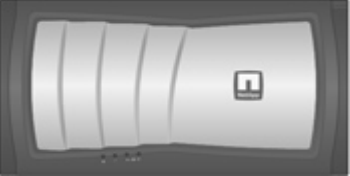
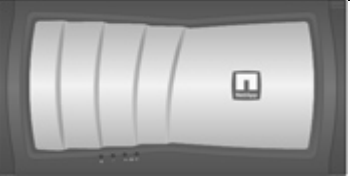
	FAS6220 Single Chassis HA Pair	FAS6220 Single Node	FAS6220 Stretch MetroCluster
Specifications			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

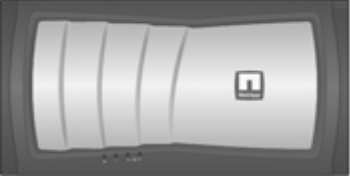
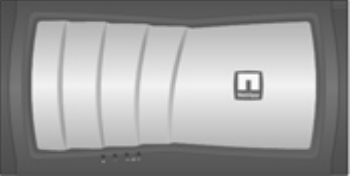
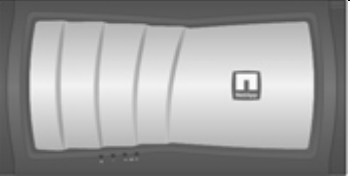
Specifications	FAS6240 Dual Chassis HA Pair with IO Expansion	FAS6240 Fabric MetroCluster with IO Expansion	FAS6240 Single Node with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	1440	1440	1440
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	1176	840	1176
Max Number of MSATA Drives	1440	N/A	1440
Max Number of NL-SAS Drives	1440	1440	1440
Max Number of SAS Drives	1440	1440	1440
Max Number of SATA Drives	1440	1440	1440
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	84 external	N/A	84 external
Max Number of DS14-Mk2-FC Shelves	84 external	60 external	84 external
Max Number of DS14-Mk4-FC Shelves	84 external	60 external	84 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	60 external	60 external	60 external
Max Number of DS4243 Shelves	60 external	60 external	60 external
Max Number of DS4246 Shelves	60 external	60 external	60 external
Max Number of DS4486 Shelves	30 external	N/A	30 external
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

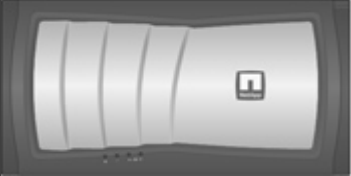
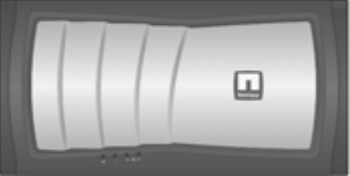
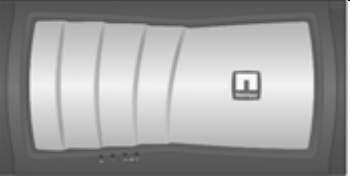
Specifications	FAS6240 Dual Chassis HA Pair with IO Expansion	FAS6240 Fabric MetroCluster with IO Expansion	FAS6240 Single Node with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 4-core 2.56 Ghz	64-bit 4-core 2.56 Ghz	64-bit 4-core 2.56 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.56 Ghz	2.56 Ghz	2.56 Ghz
Processor Count (Per Node)	2	2	2
Processor Count (Per Config)	4	4	4
Processor Cores (Per CPU)	4	4	4
Processor Cores (Per Node)	8	8	8
Processor Cores (Per Config)	16	16	16
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	4 GB	4 GB	4 GB
NVRAM (Per Config)	8 GB	8 GB	4 GB
RAM (Per Node)	48 GB	48 GB	48 GB
RAM (Per Config)	96 GB	96 GB	48 GB
Onboard Ports			
Ethernet Ports	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)
Fibre Channel Ports	8 x SFP+ (8Gb)	4 x SFP+ (8Gb)	4 x SFP+ (8Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	15 x PCIe (with IOXM) ^[2]	15 x PCIe (with IOXM) ^[2]	15 x PCIe (with IOXM) ^[2]
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	12	12	12
Chassis Height	10.18" (25.86 cm)	10.18" (25.86 cm)	10.18" (25.86 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.59" (44.68 cm)	17.59" (44.68 cm)	17.59" (44.68 cm)
Chassis Depth with Cable Mgmt	29" (73.66 cm)	29" (73.66 cm)	29" (73.66 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance			
Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	36.01" (91.4 cm)	36.01" (91.4 cm)	36.01" (91.4 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

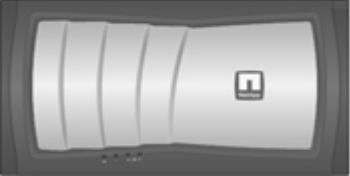
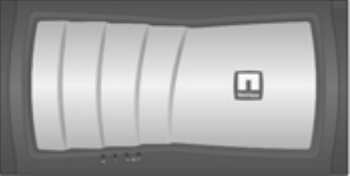
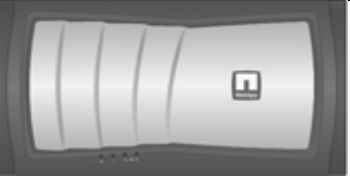
Specifications	FAS6240 Dual Chassis HA Pair with IO Expansion	FAS6240 Fabric MetroCluster with IO Expansion	FAS6240 Single Node with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	7.5 bels	7.5 bels	7.5 bels
Acoustic Noise - Sound Pressure	61.3 dBA	61.3 dBA	61.3 dBA
Input Power Voltage	100 to 120	100 to 120	100 to 120
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	7.4, 7.3	7.4, 7.3	7.4, 7.3
Service Processor Firmware	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	08-Nov-2013	08-Nov-2013	08-Nov-2013
End of Support (EOS)	31-Dec-2018	31-Dec-2018	31-Dec-2018
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

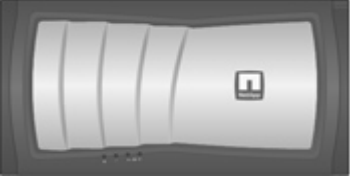
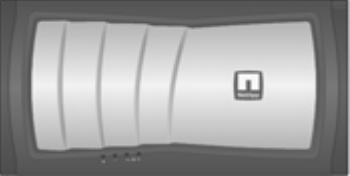
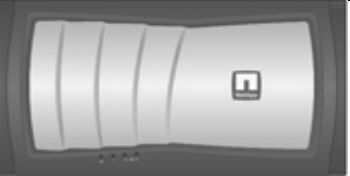
Specifications	FAS6240 Dual Chassis HA Pair with IO Expansion	FAS6240 Fabric MetroCluster with IO Expansion	FAS6240 Single Node with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

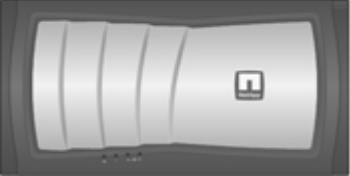
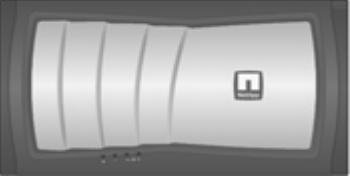
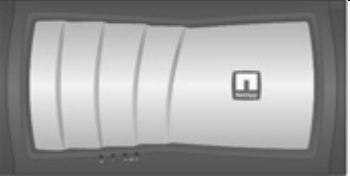
Specifications	FAS6240 Dual Chassis HA Pair with IO Expansion	FAS6240 Fabric MetroCluster with IO Expansion	FAS6240 Single Node with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

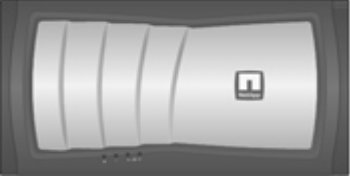
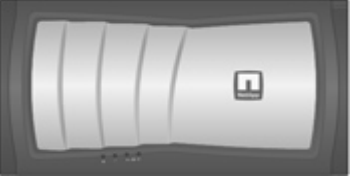
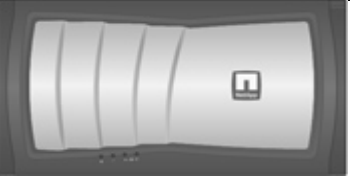
Specifications	FAS6240 Stretch MetroCluster with IO Expansion	FAS6250 Dual Chassis HA Pair with IO Expansion	FAS6250 Fabric MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	1440	1440	1440
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	840	1176	840
Max Number of MSATA Drives	N/A	1440	N/A
Max Number of NL-SAS Drives	1440	1440	1440
Max Number of SAS Drives	1440	1440	1440
Max Number of SATA Drives	1440	1440	1440
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	84 external	84 external	N/A
Max Number of DS14-Mk2-FC Shelves	84 external	84 external	60 external
Max Number of DS14-Mk4-FC Shelves	84 external	84 external	60 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	60 external	60 external	60 external
Max Number of DS4243 Shelves	60 external	60 external	60 external
Max Number of DS4246 Shelves	60 external	60 external	60 external
Max Number of DS4486 Shelves	N/A	30 external	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

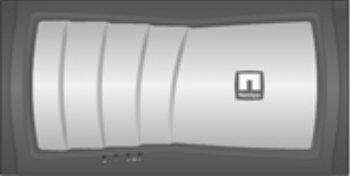
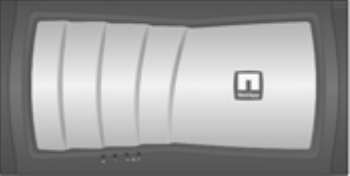
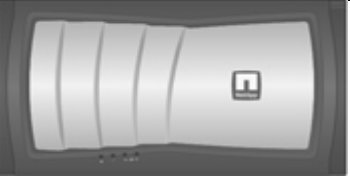
Specifications	FAS6240 Stretch MetroCluster with IO Expansion	FAS6250 Dual Chassis HA Pair with IO Expansion	FAS6250 Fabric MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 4-core 2.56 Ghz	64-bit 4-core 2.56 Ghz	64-bit 4-core 2.56 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.56 Ghz	2.56 Ghz	2.56 Ghz
Processor Count (Per Node)	2	2	2
Processor Count (Per Config)	2	4	4
Processor Cores (Per CPU)	4	4	4
Processor Cores (Per Node)	8	8	8
Processor Cores (Per Config)	8	16	16
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	4 GB	4 GB	4 GB
NVRAM (Per Config)	8 GB	8 GB	8 GB
RAM (Per Node)	48 GB	72 GB	72 GB
RAM (Per Config)	96 GB	144 GB	144 GB
Onboard Ports			
Ethernet Ports	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)
Fibre Channel Ports	4 x SFP+ (8Gb)	8 x SFP+ (8Gb)	4 x SFP+ (8Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	15 x PCIe (with IOXM) ^[2]	15 x PCIe (with IOXM) ^[2]	15 x PCIe (with IOXM) ^[2]
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	6	12	12
Chassis Height	10.18" (25.86 cm)	10.18" (25.86 cm)	10.18" (25.86 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.59" (44.68 cm)	17.59" (44.68 cm)	17.59" (44.68 cm)
Chassis Depth with Cable Mgmt	29" (73.66 cm)	29" (73.66 cm)	29" (73.66 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	36.01" (91.4 cm)	36.01" (91.4 cm)	36.01" (91.4 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

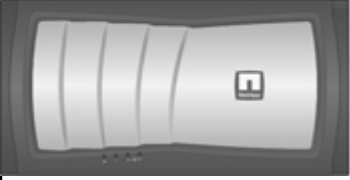
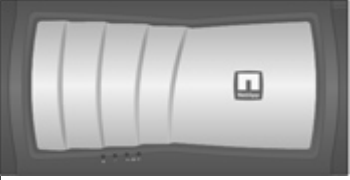
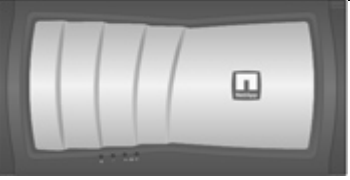
Specifications	FAS6240 Stretch MetroCluster with IO Expansion	FAS6250 Dual Chassis HA Pair with IO Expansion	FAS6250 Fabric MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	7.5 bels	7.5 bels	7.5 bels
Acoustic Noise - Sound Pressure	61.3 dBA	61.3 dBA	61.3 dBA
Input Power Voltage	100 to 120	100 to 120	100 to 120
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1.2	8.1.2
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	7.4, 7.3	7.4, 7.3	7.4, 7.3
Service Processor Firmware	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3
Product Standards Compliance			
Certifications EMC/EMI		AS/NZS, FCC, ICES, KCC, VCCI	AS/NZS, FCC, ICES, KCC, VCCI
Certifications safety		BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS
Certifications Safety/EMC/EMI		EAC, UKRSEPRO	EAC, UKRSEPRO
Certifications Safety/EMC/EMI/RoHS		BSMI, CE	BSMI, CE
Standards EMC/EMI		CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3
Standards Safety		ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1
System Availability & Support			
Release Date	-	Feb 2013	Feb 2013
End of Availability (EOA)	08-Nov-2013	13-Mar-2015	13-Mar-2015
End of Support (EOS)	31-Dec-2018	30-Apr-2021	30-Apr-2021
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

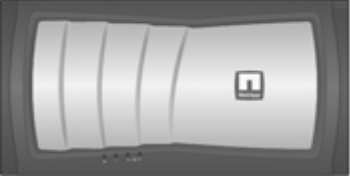
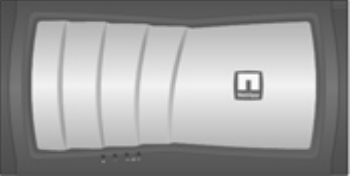
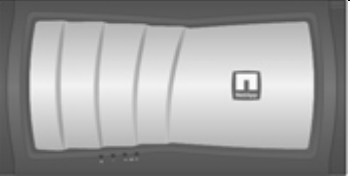
Specifications	FAS6240 Stretch MetroCluster with IO Expansion	FAS6250 Dual Chassis HA Pair with IO Expansion	FAS6250 Fabric MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

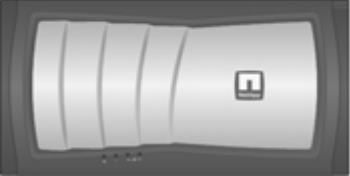
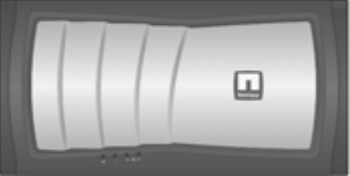
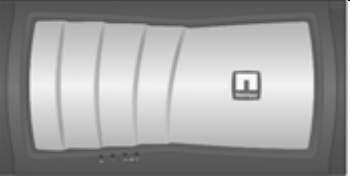
Specifications	FAS6240 Stretch MetroCluster with IO Expansion	FAS6250 Dual Chassis HA Pair with IO Expansion	FAS6250 Fabric MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

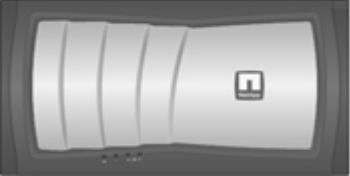
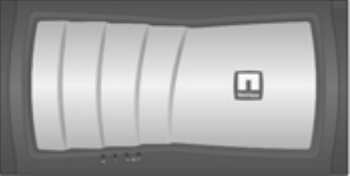
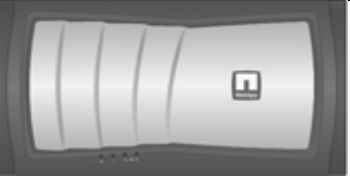
Specifications	FAS6250 Single Node with IO Expansion	FAS6250 Stretch MetroCluster with IO Expansion	FAS6280 Dual Chassis HA Pair with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	1440	1440	1440
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	1176	840	1176
Max Number of MSATA Drives	1440	N/A	1440
Max Number of NL-SAS Drives	1440	1440	1440
Max Number of SAS Drives	1440	1440	1440
Max Number of SATA Drives	1440	1440	1440
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	84 external	84 external	84 external
Max Number of DS14-Mk2-FC Shelves	84 external	84 external	84 external
Max Number of DS14-Mk4-FC Shelves	84 external	84 external	84 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	60 external	60 external	60 external
Max Number of DS4243 Shelves	60 external	60 external	60 external
Max Number of DS4246 Shelves	60 external	60 external	60 external
Max Number of DS4486 Shelves	30 external	N/A	30 external
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

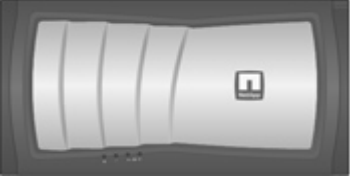
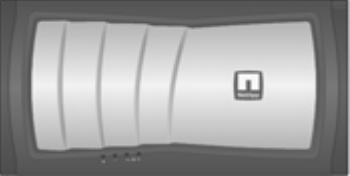
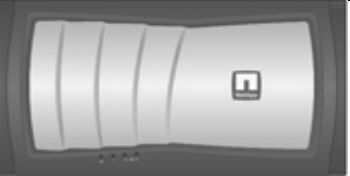
Specifications	FAS6250 Single Node with IO Expansion	FAS6250 Stretch MetroCluster with IO Expansion	FAS6280 Dual Chassis HA Pair with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 4-core 2.56 Ghz	64-bit 4-core 2.56 Ghz	64-bit 6-core 2.93 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.56 Ghz	2.56 Ghz	2.93 Ghz
Processor Count (Per Node)	2	2	2
Processor Count (Per Config)	4	2	4
Processor Cores (Per CPU)	4	4	6
Processor Cores (Per Node)	8	8	12
Processor Cores (Per Config)	16	8	16
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	4 GB	4 GB	4 GB
NVRAM (Per Config)	4 GB	8 GB	8 GB
RAM (Per Node)	72 GB	72 GB	96 GB
RAM (Per Config)	72 GB	144 GB	192 GB
Onboard Ports			
Ethernet Ports	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)
Fibre Channel Ports	4 x SFP+ (8Gb)	4 x SFP+ (8Gb)	8 x SFP+ (8Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	15 x PCIe (with IOXM) ^[2]	15 x PCIe (with IOXM) ^[2]	15 x PCIe (with IOXM) ^[2]
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	12	6	12
Chassis Height	10.18" (25.86 cm)	10.18" (25.86 cm)	10.18" (25.86 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.59" (44.68 cm)	17.59" (44.68 cm)	17.59" (44.68 cm)
Chassis Depth with Cable Mgmt	29" (73.66 cm)	29" (73.66 cm)	29" (73.66 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	36.01" (91.4 cm)	36.01" (91.4 cm)	36.01" (91.4 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

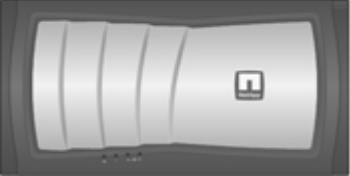
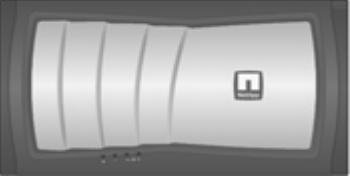
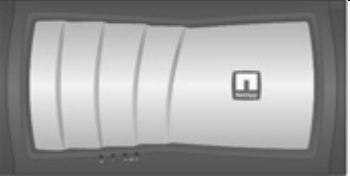
Specifications	FAS6250 Single Node with IO Expansion	FAS6250 Stretch MetroCluster with IO Expansion	FAS6280 Dual Chassis HA Pair with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	7.5 bels	7.5 bels	7.5 bels
Acoustic Noise - Sound Pressure	61.3 dBA	61.3 dBA	61.3 dBA
Input Power Voltage	100 to 120	100 to 120	100 to 120
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1.2	8.1.2	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS			
Version			
BIOS	7.4, 7.3	7.4, 7.3	7.4, 7.3
Service Processor Firmware	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3
Product Standards Compliance			
Certifications EMC/EMI	AS/NZS, FCC, ICES, KCC, VCCI	AS/NZS, FCC, ICES, KCC, VCCI	
Certifications safety	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS	
Certifications Safety/EMC/EMI	EAC, UKRSEPRO	EAC, UKRSEPRO	
Certifications Safety/EMC/EMI/RoHS	BSMI, CE	BSMI, CE	
Standards EMC/EMI	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3	
Standards Safety	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1	
System Availability & Support			
Release Date	Feb 2013	Feb 2013	-
End of Availability (EOA)	13-Mar-2015	13-Mar-2015	08-Nov-2013
End of Support (EOS)	30-Apr-2021	30-Apr-2021	31-Dec-2018
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

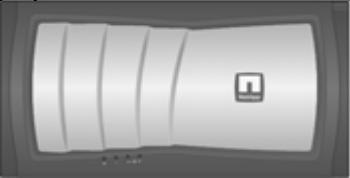
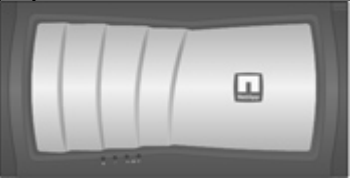
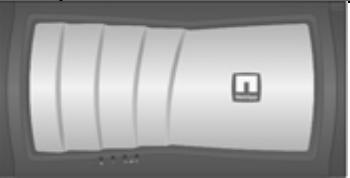
Specifications	FAS6250 Single Node with IO Expansion	FAS6250 Stretch MetroCluster with IO Expansion	FAS6280 Dual Chassis HA Pair with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

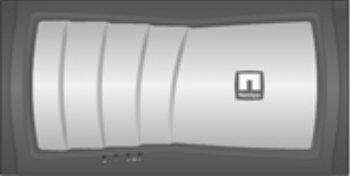
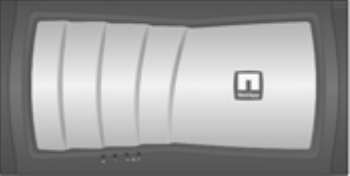
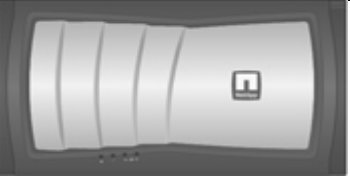
Specifications	FAS6250 Single Node with IO Expansion	FAS6250 Stretch MetroCluster with IO Expansion	FAS6280 Dual Chassis HA Pair with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

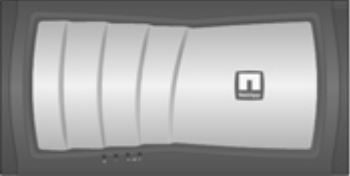
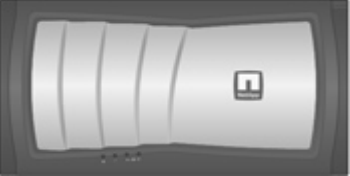
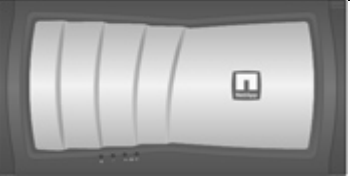
Specifications	FAS6280 Fabric MetroCluster with IO Expansion	FAS6280 Single Node with IO Expansion	FAS6280 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	1440	1440	1440
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	840	1176	840
Max Number of MSATA Drives	N/A	1440	N/A
Max Number of NL-SAS Drives	1440	1440	1440
Max Number of SAS Drives	1440	1440	1440
Max Number of SATA Drives	1440	1440	1440
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	N/A	84 external	84 external
Max Number of DS14-Mk2-FC Shelves	60 external	84 external	84 external
Max Number of DS14-Mk4-FC Shelves	60 external	84 external	84 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	60 external	60 external	60 external
Max Number of DS4243 Shelves	60 external	60 external	60 external
Max Number of DS4246 Shelves	60 external	60 external	60 external
Max Number of DS4486 Shelves	N/A	30 external	N/A
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

Specifications	FAS6280 Fabric MetroCluster with IO Expansion	FAS6280 Single Node with IO Expansion	FAS6280 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 6-core 2.93 Ghz	64-bit 6-core 2.93 Ghz	64-bit 6-core 2.93 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.93 Ghz	2.93 Ghz	2.93 Ghz
Processor Count (Per Node)	2	2	2
Processor Count (Per Config)	4	4	2
Processor Cores (Per CPU)	6	6	6
Processor Cores (Per Node)	12	12	12
Processor Cores (Per Config)	24	24	12
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	4 GB	4 GB	4 GB
NVRAM (Per Config)	8 GB	4 GB	8 GB
RAM (Per Node)	96 GB	96 GB	96 GB
RAM (Per Config)	192 GB	96 GB	192 GB
Onboard Ports			
Ethernet Ports	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)
Fibre Channel Ports	4 x SFP+ (8Gb)	4 x SFP+ (8Gb)	4 x SFP+ (8Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	15 x PCIe (with IOXM) ^[2]	15 x PCIe (with IOXM) ^[2]	15 x PCIe (with IOXM) ^[2]
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	12	12	6
Chassis Height	10.18" (25.86 cm)	10.18" (25.86 cm)	10.18" (25.86 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.59" (44.68 cm)	17.59" (44.68 cm)	17.59" (44.68 cm)
Chassis Depth with Cable Mgmt	29" (73.66 cm)	29" (73.66 cm)	29" (73.66 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	36.01" (91.4 cm)	36.01" (91.4 cm)	36.01" (91.4 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

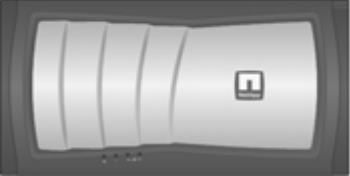
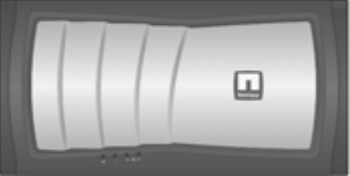
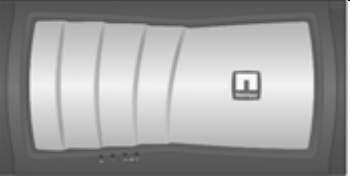
Specifications	FAS6280 Fabric MetroCluster with IO Expansion	FAS6280 Single Node with IO Expansion	FAS6280 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	7.5 bels	7.5 bels	7.5 bels
Acoustic Noise - Sound Pressure	61.3 dBA	61.3 dBA	61.3 dBA
Input Power Voltage	100 to 120	100 to 120	100 to 120
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1	8.1	8.1
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS Version			
BIOS	7.4, 7.3	7.4, 7.3	7.4, 7.3
Service Processor Firmware	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3
Product Standards Compliance			
Certifications EMC/EMI			
Certifications safety			
Certifications Safety/EMC/EMI			
Certifications Safety/EMC/EMI/RoHS			
Standards EMC/EMI			
Standards Safety			
System Availability & Support			
Release Date	-	-	-
End of Availability (EOA)	08-Nov-2013	08-Nov-2013	08-Nov-2013
End of Support (EOS)	31-Dec-2018	31-Dec-2018	31-Dec-2018
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

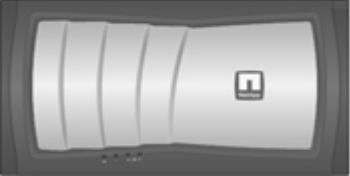
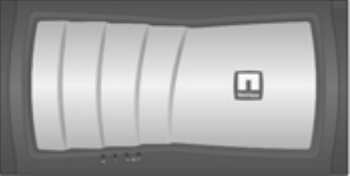
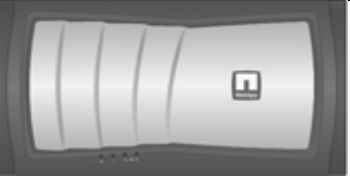
Specifications	FAS6280 Fabric MetroCluster with IO Expansion	FAS6280 Single Node with IO Expansion	FAS6280 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

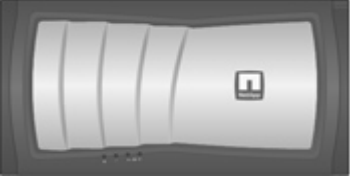
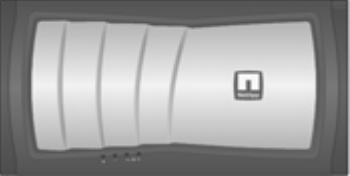
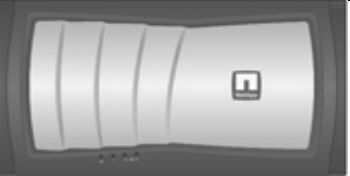
Specifications	FAS6280 Fabric MetroCluster with IO Expansion	FAS6280 Single Node with IO Expansion	FAS6280 Stretch MetroCluster with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

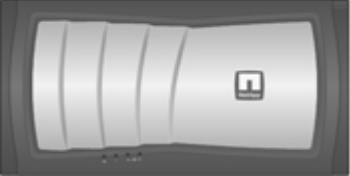
Specifications	FAS6290 Dual Chassis HA Pair with IO Expansion	FAS6290 Fabric MetroCluster with IO Expansion	FAS6290 Single Node with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Limits			
Max Number of Drives (Total)	1440	1440	1440
Max Number of Internal Drives	N/A	N/A	N/A
Max Number of FC Drives	1176	840	1176
Max Number of MSATA Drives	1440	N/A	1440
Max Number of NL-SAS Drives	1440	1440	1440
Max Number of SAS Drives	1440	1440	1440
Max Number of SATA Drives	1440	1440	1440
Max Number of SSD Drives	240	240	240
Max Number of DS12-ESAS Shelves	N/A	N/A	N/A
Max Number of DS14-Mk2-AT Shelves	84 external	N/A	84 external
Max Number of DS14-Mk2-FC Shelves	84 external	60 external	84 external
Max Number of DS14-Mk4-FC Shelves	84 external	60 external	84 external
Max Number of DS2126 Shelves	N/A	N/A	N/A
Max Number of DS2246 Shelves	60 external	60 external	60 external
Max Number of DS4243 Shelves	60 external	60 external	60 external
Max Number of DS4246 Shelves	60 external	60 external	60 external
Max Number of DS4486 Shelves	30 external	N/A	30 external
Capacity Limits			
Marketing Maximum Raw Capacity	N/A	N/A	N/A
Effective Capacity	N/A	N/A	N/A
Core Cluster Limits			
Maximum number of storage virtual machines (SVMs) - NAS	N/A	N/A	N/A
Maximum number of LIFs - NAS	N/A	N/A	N/A
Maximum number of connections - NAS	N/A	N/A	N/A
Maximum number of flexible volumes - NAS	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - NAS	N/A	N/A	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A	N/A	N/A
Maximum Infinite Volume Data Constituent Size	N/A	N/A	N/A
Minimum Root Aggregate (MiB)	N/A	N/A	N/A
Minimum Root Volume (GiB)	N/A	N/A	N/A
System Maximums and Limits			

Specifications	FAS6290 Dual Chassis HA Pair with IO Expansion	FAS6290 Fabric MetroCluster with IO Expansion	FAS6290 Single Node with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	Not Supported / Not Supported	Not Supported / Not Supported
Max FabricPool Size	Not Supported	Not Supported	Not Supported
Max Infinite Volume Data Constituent Size	Not Supported	Not Supported	Not Supported
Max FlexGroup Data Constituent Size	Not Supported	Not Supported	Not Supported
Min Root Volume Size	250 GiB	250 GiB	250 GiB
NetApp Volume Encryption	Not Supported	Not Supported	Not Supported
Processor			
Processor Model	64-bit 6-core 2.93 Ghz	64-bit 6-core 2.93 Ghz	64-bit 6-core 2.93 Ghz
Processor Architecture	64 bit	64 bit	64 bit
Processor Speed	2.93 Ghz	2.93 Ghz	2.93 Ghz
Processor Count (Per Node)	2	2	2
Processor Count (Per Config)	4	4	4
Processor Cores (Per CPU)	6	6	6
Processor Cores (Per Node)	12	12	12
Processor Cores (Per Config)	24	24	24
Memory			
NVMEM (Per Node)	N/A	N/A	N/A
NVMEM (Per Config)	N/A	N/A	N/A
NVRAM (Per Node)	4 GB	4 GB	4 GB
NVRAM (Per Config)	8 GB	8 GB	4 GB
RAM (Per Node)	96 GB	96 GB	96 GB
RAM (Per Config)	192 GB	192 GB	96 GB
Onboard Ports			
Ethernet Ports	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)
Fibre Channel Ports	8 x SFP+ (8Gb)	4 x SFP+ (8Gb)	4 x SFP+ (8Gb)
UTA2 Ports	Not Supported	Not Supported	Not Supported
Expansion Slots	15 x PCIe (with IOXM) ^[2]	15 x PCIe (with IOXM) ^[2]	15 x PCIe (with IOXM) ^[2]
SAS Ports	-	-	-
Physical Characteristics			
Rack Units	12	12	12
Chassis Height	10.18" (25.86 cm)	10.18" (25.86 cm)	10.18" (25.86 cm)
Chassis Width with Mounting Flanges	-	-	-
Chassis Width without Mounting Flanges	17.59" (44.68 cm)	17.59" (44.68 cm)	17.59" (44.68 cm)
Chassis Depth with Cable Mgmt	29" (73.66 cm)	29" (73.66 cm)	29" (73.66 cm)
Chassis Depth without Cable Mgmt	-	-	-
Chassis Weight			
System Clearance			
Dimensions			
Front Clearance (Cooling)	5.99" (15.2 cm)	5.99" (15.2 cm)	5.99" (15.2 cm)
Front Clearance (Maintenance)	30.02" (76.2 cm)	30.02" (76.2 cm)	30.02" (76.2 cm)
Rear Clearance (Cooling)	12.02" (30.5 cm)	12.02" (30.5 cm)	12.02" (30.5 cm)
Rear Clearance (Maintenance)	36.01" (91.4 cm)	36.01" (91.4 cm)	36.01" (91.4 cm)
Environmental Requirements			
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C	50 to 104 deg F 10 to 40 deg C

Specifications	FAS6290 Dual Chassis HA Pair with IO Expansion	FAS6290 Fabric MetroCluster with IO Expansion	FAS6290 Single Node with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C	-40 to 158 deg F -40 to 70 deg C
Operating Relative Humidity	20 to 80 %	20 to 80 %	20 to 80 %
Storage Relative Humidity	-	-	-
Transit Relative Humidity	-	-	-
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m	0.0 to 10000.0 ft 0.0 to 3048.0 m
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m	0.0 to 40000.0 ft 0.0 to 12192.0 m
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m	0 to 39989.8 ft 0 to 12192 m
Acoustic Noise - Sound Power	7.5 bels	7.5 bels	7.5 bels
Acoustic Noise - Sound Pressure	61.3 dBA	61.3 dBA	61.3 dBA
Input Power Voltage	100 to 120	100 to 120	100 to 120
Storage OS Requirements (for selected major version)			
Recommended Version	8.1.4P10	8.1.4P10	8.1.4P10
Minimum OS	8.1.2	8.1.2	8.1.2
Maximum OS	8.1.4P10	8.1.4P10	8.1.4P10
Software and Firmware * indicates that firmware is bundled with Storage OS			
Version			
BIOS	7.4, 7.3	7.4, 7.3	7.4, 7.3
Service Processor Firmware	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3	1.3.3P2, 1.3.3
Product Standards Compliance			
Certifications EMC/EMI	AS/NZS, FCC, ICES, KCC, VCCI	AS/NZS, FCC, ICES, KCC, VCCI	AS/NZS, FCC, ICES, KCC, VCCI
Certifications safety	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS
Certifications Safety/EMC/EMI	EAC, UKRSEPRO	EAC, UKRSEPRO	EAC, UKRSEPRO
Certifications Safety/EMC/EMI/RoHS	BSMI, CE	BSMI, CE	BSMI, CE
Standards EMC/EMI	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3
Standards Safety	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1
System Availability & Support			
Release Date	Feb 2013	Feb 2013	Feb 2013
End of Availability (EOA)	13-Mar-2015	13-Mar-2015	13-Mar-2015
End of Support (EOS)	30-Apr-2021	30-Apr-2021	30-Apr-2021
NFS Cluster Limits			
Maximum number of Export Policies	N/A	N/A	N/A
Maximum number of Export Rules	N/A	N/A	N/A
Maximum NFSv4 Access Control Entries	N/A	N/A	N/A
Maximum number of client objects	N/A	N/A	N/A

Specifications	FAS6290 Dual Chassis HA Pair with IO Expansion	FAS6290 Fabric MetroCluster with IO Expansion	FAS6290 Single Node with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of pNFS objects	N/A	N/A	N/A
WAFL Cluster Limits			
Maximum Size of a 64-bit Aggregate (TiB)	N/A	N/A	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A	N/A	N/A
Maximum number of Volume Snapshot Copies	N/A	N/A	N/A
Maximum character length for Snapshot copy names	N/A	N/A	N/A
Maximum number of hard links	N/A	N/A	N/A
Maximum number of inodes/files	N/A	N/A	N/A
Maximum number of qtrees	N/A	N/A	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A	N/A	N/A
Quality of Service Cluster Limits			
Maximum number of Policy Groups	N/A	N/A	N/A
Maximum number of QoS user workloads	N/A	N/A	N/A
Maximum number of nodes participating in QoS	N/A	N/A	N/A
SAN Cluster Limits			
Maximum number of storage virtual machines (SVMs) - SAN	N/A	N/A	N/A
Maximum number of flexible volumes - SAN	N/A	N/A	N/A
Maximum number of flexible volumes with DPO - SAN	N/A	N/A	N/A
Maximum number of LUNs	N/A	N/A	N/A
Maximum number of LUN mappings	N/A	N/A	N/A
Maximum LUN size (TiB)	N/A	N/A	N/A
Maximum FC queue depth available	N/A	N/A	N/A
Maximum Number of SAN Hosts (iTNs)	N/A	N/A	N/A
Maximum number of LIFS - iSCSI	N/A	N/A	N/A
Maximum number of LIFS - FCP	N/A	N/A	N/A
Maximum number of igroups	N/A	N/A	N/A
Maximum number of initiators	N/A	N/A	N/A
Maximum number of portsets	N/A	N/A	N/A
Maximum number of iSCSI sessions	N/A	N/A	N/A
CIFS Cluster Limits			

Specifications	FAS6290 Dual Chassis HA Pair with IO Expansion	FAS6290 Fabric MetroCluster with IO Expansion	FAS6290 Single Node with IO Expansion
			
	7-Mode 8.1.4	7-Mode 8.1.4	7-Mode 8.1.4
Maximum number of connected shares	N/A	N/A	N/A
Maximum number of regular shares	N/A	N/A	N/A
Maximum number of open files	N/A	N/A	N/A
Maximum number of local users	N/A	N/A	N/A
Maximum number of local groups	N/A	N/A	N/A
Maximum number of local group members	N/A	N/A	N/A
Data Protection Cluster Limits			
Maximum number of NDMP sessions	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A	N/A	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A	N/A	N/A
Maximum number of load sharing (LS) mirrors	N/A	N/A	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A	N/A	N/A
Maximum fan-out from source for DP mirror	N/A	N/A	N/A
Maximum fan-out from source for LS mirror	N/A	N/A	N/A
Maximum number of clusters that can be peered	N/A	N/A	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A	N/A	N/A

Specifications	FAS6290 Stretch MetroCluster with IO Expansion
	
	7-Mode 8.1.4

Storage Limits

Max Number of Drives (Total)	1440
Max Number of Internal Drives	N/A
Max Number of FC Drives	840
Max Number of MSATA Drives	N/A
Max Number of NL-SAS Drives	1440
Max Number of SAS Drives	1440
Max Number of SATA Drives	1440
Max Number of SSD Drives	240
Max Number of DS12-ESAS Shelves	N/A
Max Number of DS14-Mk2-AT Shelves	84 external
Max Number of DS14-Mk2-FC Shelves	84 external
Max Number of DS14-Mk4-FC Shelves	84 external
Max Number of DS2126 Shelves	N/A
Max Number of DS2246 Shelves	60 external
Max Number of DS4243 Shelves	60 external
Max Number of DS4246 Shelves	60 external
Max Number of DS4486 Shelves	N/A

Capacity Limits

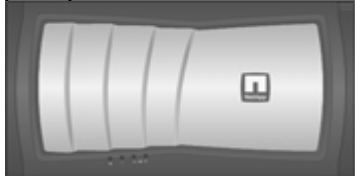
Marketing Maximum Raw Capacity	N/A
Effective Capacity	N/A

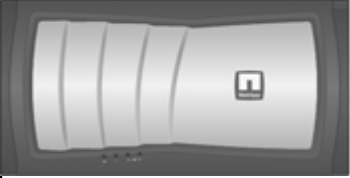
Core Cluster Limits

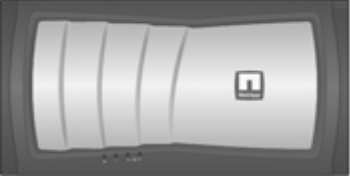
Maximum number of storage virtual machines (SVMs) - NAS	N/A
Maximum number of LIFs - NAS	N/A
Maximum number of connections - NAS	N/A
Maximum number of flexible volumes - NAS	N/A
Maximum number of flexible volumes with DPO - NAS	N/A
Maximum number of lock manager locked objects (CIFS and NFS combined)	N/A
Maximum Infinite Volume Data Constituent Size	N/A
Minimum Root Aggregate (MiB)	N/A
Minimum Root Volume (GiB)	N/A

System Maximums and Limits

Specifications	FAS6290 Stretch MetroCluster with IO Expansion	
		
	7-Mode 8.1.4	
Max Nodes per Cluster (NAS / SAN)	Not Supported / Not Supported	
Max FabricPool Size	Not Supported	
Max Infinite Volume Data Constituent Size	Not Supported	
Max FlexGroup Data Constituent Size	Not Supported	
Min Root Volume Size	250 GiB	
NetApp Volume Encryption	Not Supported	
Processor		
Processor Model	64-bit 6-core 2.93 Ghz	
Processor Architecture	64 bit	
Processor Speed	2.93 Ghz	
Processor Count (Per Node)	2	
Processor Count (Per Config)	2	4
Processor Cores (Per CPU)	6	
Processor Cores (Per Node)	12	
Processor Cores (Per Config)	12	24
Memory		
NVMEM (Per Node)	N/A	
NVMEM (Per Config)	N/A	
NVRAM (Per Node)	4 GB	
NVRAM (Per Config)	8 GB	
RAM (Per Node)	96 GB	
RAM (Per Config)	192 GB	
Onboard Ports		
Ethernet Ports	2 x RJ45 (1Gb) 4 x SFP+ (10Gb)	
Fibre Channel Ports	4 x SFP+ (8Gb)	
UTA2 Ports	Not Supported	
Expansion Slots	15 x PCIe (with IOXM) ^[2]	
SAS Ports	-	
Physical Characteristics		
Rack Units	6	12
Chassis Height	10.18" (25.86 cm)	
Chassis Width with Mounting Flanges	-	
Chassis Width without Mounting Flanges	17.59" (44.68 cm)	
Chassis Depth with Cable Mgmt	29" (73.66 cm)	
Chassis Depth without Cable Mgmt	-	
Chassis Weight		
System Clearance Dimensions		
Front Clearance (Cooling)	5.99" (15.2 cm)	
Front Clearance (Maintenance)	30.02" (76.2 cm)	
Rear Clearance (Cooling)	12.02" (30.5 cm)	
Rear Clearance (Maintenance)	36.01" (91.4 cm)	
Environmental Requirements		
Operating Temperature Range	50 to 104 deg F 10 to 40 deg C	

Specifications	FAS6290 Stretch MetroCluster with IO Expansion	
		
	7-Mode 8.1.4	
Storage Temperature Range	-40 to 158 deg F -40 to 70 deg C	
Transit Temperature Range	-40 to 158 deg F -40 to 70 deg C	
Operating Relative Humidity	20 to 80 %	
Storage Relative Humidity	-	
Transit Relative Humidity	-	
Operating Altitude Range	0.0 to 10000.0 ft 0.0 to 3048.0 m	
Storage Altitude Range	0.0 to 40000.0 ft 0.0 to 12192.0 m	
Transit Altitude Range	0 to 39989.8 ft 0 to 12192 m	
Acoustic Noise - Sound Power	7.5 bels	
Acoustic Noise - Sound Pressure	61.3 dBA	
Input Power Voltage	100 to 120	
Storage OS Requirements (for selected major version)		
Recommended Version	8.1.4P10	
Minimum OS	8.1.2	
Maximum OS	8.1.4P10	
Software and Firmware * indicates that firmware is bundled with Storage OS		
Version		
BIOS	7.4, 7.3	
Service Processor Firmware	1.3.3P2, 1.3.3	
Product Standards Compliance		
Certifications EMC/EMI	AS/NZS, FCC, ICES, KCC, VCCI	
Certifications safety	BIS, CB, CSA, IRAM, NOM, NRCS, SONCAP, TBS	
Certifications Safety/EMC/EMI	EAC, UKRSEPRO	
Certifications Safety/EMC/EMI/RoHS	BSMI, CE	
Standards EMC/EMI	CISPR 22, EN55022, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Class A, ICES-3	
Standards Safety	ANSI/UL 60950-1, CB IEC60950-1, CSA 60950, EN 60950, EN60825-1	
System Availability & Support		
Release Date	Feb 2013	
End of Availability (EOA)	13-Mar-2015	
End of Support (EOS)	30-Apr-2021	
NFS Cluster Limits		
Maximum number of Export Policies	N/A	
Maximum number of Export Rules	N/A	
Maximum NFSv4 Access Control Entries	N/A	
Maximum number of client objects	N/A	

Specifications	FAS6290 Stretch MetroCluster with IO Expansion
	
	7-Mode 8.1.4
Maximum number of pNFS objects	N/A
WAFL Cluster Limits	
Maximum Size of a 64-bit Aggregate (TiB)	N/A
Maximum Size of a 64-bit Volume (TiB)	N/A
Maximum file size in a 64-bit Volume (TiB)	N/A
Maximum number of Volume Snapshot Copies	N/A
Maximum character length for Snapshot copy names	N/A
Maximum number of hard links	N/A
Maximum number of inodes/files	N/A
Maximum number of qtrees	N/A
Maximum number of concurrent DataMotion for Volumes (vol move) operations	N/A
Quality of Service Cluster Limits	
Maximum number of Policy Groups	N/A
Maximum number of QoS user workloads	N/A
Maximum number of nodes participating in QoS	N/A
SAN Cluster Limits	
Maximum number of storage virtual machines (SVMs) - SAN	N/A
Maximum number of flexible volumes - SAN	N/A
Maximum number of flexible volumes with DPO - SAN	N/A
Maximum number of LUNs	N/A
Maximum number of LUN mappings	N/A
Maximum LUN size (TiB)	N/A
Maximum FC queue depth available	N/A
Maximum Number of SAN Hosts (ITNs)	N/A
Maximum number of LIFS - iSCSI	N/A
Maximum number of LIFS - FCP	N/A
Maximum number of igroups	N/A
Maximum number of initiators	N/A
Maximum number of portsets	N/A
Maximum number of iSCSI sessions	N/A
CIFS Cluster Limits	

Specifications	FAS6290 Stretch MetroCluster with IO Expansion
	
	7-Mode 8.1.4
Maximum number of connected shares	N/A
Maximum number of regular shares	N/A
Maximum number of open files	N/A
Maximum number of local users	N/A
Maximum number of local groups	N/A
Maximum number of local group members	N/A
Data Protection Cluster Limits	
Maximum number of NDMP sessions	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships	N/A
Maximum number of data protection (DP) mirrors and/or SnapVault relationships for FabricPool	N/A
Maximum number of load sharing (LS) mirrors	N/A
Maximum number of concurrent Snap Mirror or SnapVault transfers	N/A
Maximum fan-out from source for DP mirror	N/A
Maximum fan-out from source for LS mirror	N/A
Maximum number of clusters that can be peered	N/A
Maximum Number of constituent volumes in a SnapMirror relationship	N/A

Notes ID	Notes Description
1	The FAS/V6210/6220 controller has 6x physical expansion slots (2x vertical slots and 4x horizontal slots). While the horizontal slots support a wide mix of adapters, the vertical slots are limited to the NVRAM, 8Gb FC, and 6Gb SAS adapters that cannot be used in horizontal slots. Given this, other collateral such as the Tech Specs on www.netapp.com might only show the number of horizontal slots on the controller.
2	The FAS/V6240/6250/6280/6290 controller has 16x physical expansion slots (4x vertical slots and 12x horizontal slots). While the horizontal slots support a wide mix of adapters, the vertical slots are limited to the NVRAM, 8Gb FC, and 6Gb SAS adapters that cannot be used in horizontal slots. Given this, other collateral such as the Tech Specs on www.netapp.com might only show the number of horizontal slots on the controller.



Size, Weight, Acoustic, Power

FAS2040 with 7-Mode 8.1.4

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
FAS2040												
FAS2040	FAS2040 1 Cont 144GB	2	66.0 lb (29.9 kg)		60 dBA	100	3.96	4.08	387	404	1320	1378
FAS2040	FAS2040 1 Cont 144GB	2	66.0 lb (29.9 kg)		60 dBA	200	2.00	2.03	378	392	1289	1337
FAS2040	FAS2040 1 Cont 144GB	2	66.0 lb (29.9 kg)		60 dBA	215	1.87	1.89	377	390	1286	1330
FAS2040	FAS2040 1 Cont 250GB	2	66.0 lb (29.9 kg)		60 dBA	100	3.17	3.25	310	319	1057	1088
FAS2040	FAS2040 1 Cont 250GB	2	66.0 lb (29.9 kg)		60 dBA	200	1.62	1.62	301	310	1026	1057
FAS2040	FAS2040 1 Cont 250GB	2	66.0 lb (29.9 kg)		60 dBA	215	1.53	1.54	301	310	1026	1057
FAS2040	FAS2040 1000G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	3.53	3.62	345	357	1176	1217
FAS2040	FAS2040 1000G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	1.80	1.81	337	347	1149	1183
FAS2040	FAS2040 1000G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	1.68	1.70	337	347	1149	1183
FAS2040	FAS2040 2000G SATA 1 Controller	2	68.0 lb (30.8 kg)		60 dBA	100	3.22	3.34	315	329	1074	1122
FAS2040	FAS2040 2000G SATA 1 Controller	2	68.0 lb (30.8 kg)		60 dBA	200	1.67	1.66	312	319	1064	1088
FAS2040	FAS2040 300G SAS 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	3.96	4.08	387	404	1320	1378
FAS2040	FAS2040 300G SAS 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	2.00	2.03	378	392	1289	1337
FAS2040	FAS2040 300G SAS 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	1.87	1.89	377	390	1286	1330
FAS2040	FAS2040 450G SAS 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	3.84	3.96	375	391	1279	1333
FAS2040	FAS2040 450G SAS 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	1.94	1.97	367	379	1251	1292
FAS2040	FAS2040 450G SAS 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	1.81	1.83	365	379	1245	1292
FAS2040	FAS2040 500G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	3.17	3.25	310	319	1057	1088
FAS2040	FAS2040 500G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	1.62	1.62	301	310	1026	1057
FAS2040	FAS2040 500G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	1.53	1.54	301	310	1026	1057
FAS2040	FAS2040 600G SAS 1 Controller	2	68.0 lb (30.8 kg)		60 dBA	100	3.83	3.87	376	387	1282	1319
FAS2040	FAS2040 600G SAS 1 Controller	2	68.0 lb (30.8 kg)		60 dBA	200	1.91	1.91	361	368	1231	1254
FAS2040	FAS2040 750G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	3.27	3.38	322	333	1098	1136
FAS2040	FAS2040 750G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	1.68	1.69	314	324	1071	1105
FAS2040	FAS2040 750G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	1.58	1.58	313	323	1067	1101
FAS2040HA	FAS2040 1000G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	4.23	4.36	414	429	1412	1463
FAS2040HA	FAS2040 1000G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	2.12	2.16	403	416	1374	1419
FAS2040HA	FAS2040 1000G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	1.99	2.02	402	415	1371	1415
FAS2040HA	FAS2040 2 Cont 144GB	2	66.0 lb (29.9 kg)		60 dBA	100	4.66	4.85	457	480	1558	1637

FAS2040HA	FAS2040 2 Cont 144GB	2	66.0 lb (29.9 kg)		60 dBA	200	2.35	2.39	447	464	1524	1582
FAS2040HA	FAS2040 2 Cont 144GB	2	66.0 lb (29.9 kg)		60 dBA	215	2.23	2.23	449	462	1531	1575
FAS2040HA	FAS2040 2 Cont 250GB	2	66.0 lb (29.9 kg)		60 dBA	100	3.84	3.95	376	390	1282	1330
FAS2040HA	FAS2040 2 Cont 250GB	2	66.0 lb (29.9 kg)		60 dBA	200	1.95	1.97	367	379	1251	1292
FAS2040HA	FAS2040 2 Cont 250GB	2	66.0 lb (29.9 kg)		60 dBA	215	1.82	1.83	366	378	1248	1289
FAS2040HA	FAS2040 2000G SATA 2 Controller	2	68.0 lb (30.8 kg)		60 dBA	100	3.88	3.92	378	387	1288	1319
FAS2040HA	FAS2040 2000G SATA 2 Controller	2	68.0 lb (30.8 kg)		60 dBA	200	1.96	1.97	371	382	1265	1302
FAS2040HA	FAS2040 300G SAS 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	4.66	4.85	457	480	1558	1637
FAS2040HA	FAS2040 300G SAS 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	2.35	2.39	447	464	1524	1582
FAS2040HA	FAS2040 300G SAS 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	2.23	2.23	449	462	1531	1575
FAS2040HA	FAS2040 450G SAS 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	4.53	4.70	445	464	1517	1582
FAS2040HA	FAS2040 450G SAS 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	2.28	2.32	432	451	1473	1538
FAS2040HA	FAS2040 450G SAS 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	2.12	2.16	432	449	1473	1531
FAS2040HA	FAS2040 500G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	3.84	3.95	376	390	1282	1330
FAS2040HA	FAS2040 500G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	1.95	1.97	367	379	1251	1292
FAS2040HA	FAS2040 500G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	1.82	1.83	366	378	1248	1289
FAS2040HA	FAS2040 600G SAS 2 Controller	2	68.0 lb (30.8 kg)		60 dBA	100	4.32	4.44	424	440	1445	1500
FAS2040HA	FAS2040 600G SAS 2 Controller	2	68.0 lb (30.8 kg)		60 dBA	200	2.18	2.18	415	425	1415	1449
FAS2040HA	FAS2040 750G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	3.98	4.10	389	405	1326	1381
FAS2040HA	FAS2040 750G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	2.01	2.04	381	393	1299	1340
FAS2040HA	FAS2040 750G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	1.88	1.90	379	393	1292	1340
FAS2040	FAS2040 1 Cont 144GB	2	66.0 lb (29.9 kg)		60 dBA	100	3.96	4.08	387	404	1320	1378
FAS2040	FAS2040 1 Cont 144GB	2	66.0 lb (29.9 kg)		60 dBA	200	2.00	2.03	378	392	1289	1337
FAS2040	FAS2040 1 Cont 144GB	2	66.0 lb (29.9 kg)		60 dBA	215	1.87	1.89	377	390	1286	1330
FAS2040	FAS2040 1 Cont 250GB	2	66.0 lb (29.9 kg)		60 dBA	100	3.17	3.25	310	319	1057	1088
FAS2040	FAS2040 1 Cont 250GB	2	66.0 lb (29.9 kg)		60 dBA	200	1.62	1.62	301	310	1026	1057
FAS2040	FAS2040 1 Cont 250GB	2	66.0 lb (29.9 kg)		60 dBA	215	1.53	1.54	301	310	1026	1057
FAS2040	FAS2040 1000G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	3.53	3.62	345	357	1176	1217
FAS2040	FAS2040 1000G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	1.80	1.81	337	347	1149	1183
FAS2040	FAS2040 1000G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	1.68	1.70	337	347	1149	1183
FAS2040	FAS2040 2000G SATA 1 Controller	2	68.0 lb (30.8 kg)		60 dBA	100	3.22	3.34	315	329	1074	1122
FAS2040	FAS2040 2000G SATA 1 Controller	2	68.0 lb (30.8 kg)		60 dBA	200	1.67	1.66	312	319	1064	1088
FAS2040	FAS2040 300G SAS 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	3.96	4.08	387	404	1320	1378
FAS2040	FAS2040 300G SAS 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	2.00	2.03	378	392	1289	1337

FAS2040	FAS2040 300G SAS 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	1.87	1.89	377	390	1286	1330
FAS2040	FAS2040 450G SAS 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	3.84	3.96	375	391	1279	1333
FAS2040	FAS2040 450G SAS 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	1.94	1.97	367	379	1251	1292
FAS2040	FAS2040 450G SAS 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	1.81	1.83	365	379	1245	1292
FAS2040	FAS2040 500G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	3.17	3.25	310	319	1057	1088
FAS2040	FAS2040 500G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	1.62	1.62	301	310	1026	1057
FAS2040	FAS2040 500G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	1.53	1.54	301	310	1026	1057
FAS2040	FAS2040 600G SAS 1 Controller	2	68.0 lb (30.8 kg)		60 dBA	100	3.83	3.87	376	387	1282	1319
FAS2040	FAS2040 600G SAS 1 Controller	2	68.0 lb (30.8 kg)		60 dBA	200	1.91	1.91	361	368	1231	1254
FAS2040	FAS2040 750G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	3.27	3.38	322	333	1098	1136
FAS2040	FAS2040 750G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	1.68	1.69	314	324	1071	1105
FAS2040	FAS2040 750G SATA 1 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	1.58	1.58	313	323	1067	1101
FAS2040HA	FAS2040 1000G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	4.23	4.36	414	429	1412	1463
FAS2040HA	FAS2040 1000G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	2.12	2.16	403	416	1374	1419
FAS2040HA	FAS2040 1000G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	1.99	2.02	402	415	1371	1415
FAS2040HA	FAS2040 2 Cont 144GB	2	66.0 lb (29.9 kg)		60 dBA	100	4.66	4.85	457	480	1558	1637
FAS2040HA	FAS2040 2 Cont 144GB	2	66.0 lb (29.9 kg)		60 dBA	200	2.35	2.39	447	464	1524	1582
FAS2040HA	FAS2040 2 Cont 144GB	2	66.0 lb (29.9 kg)		60 dBA	215	2.23	2.23	449	462	1531	1575
FAS2040HA	FAS2040 2 Cont 250GB	2	66.0 lb (29.9 kg)		60 dBA	100	3.84	3.95	376	390	1282	1330
FAS2040HA	FAS2040 2 Cont 250GB	2	66.0 lb (29.9 kg)		60 dBA	200	1.95	1.97	367	379	1251	1292
FAS2040HA	FAS2040 2 Cont 250GB	2	66.0 lb (29.9 kg)		60 dBA	215	1.82	1.83	366	378	1248	1289
FAS2040HA	FAS2040 2000G SATA 2 Controller	2	68.0 lb (30.8 kg)		60 dBA	100	3.88	3.92	378	387	1288	1319
FAS2040HA	FAS2040 2000G SATA 2 Controller	2	68.0 lb (30.8 kg)		60 dBA	200	1.96	1.97	371	382	1265	1302
FAS2040HA	FAS2040 300G SAS 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	4.66	4.85	457	480	1558	1637
FAS2040HA	FAS2040 300G SAS 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	2.35	2.39	447	464	1524	1582
FAS2040HA	FAS2040 300G SAS 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	2.23	2.23	449	462	1531	1575
FAS2040HA	FAS2040 450G SAS 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	4.53	4.70	445	464	1517	1582
FAS2040HA	FAS2040 450G SAS 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	2.28	2.32	432	451	1473	1538
FAS2040HA	FAS2040 450G SAS 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	2.12	2.16	432	449	1473	1531
FAS2040HA	FAS2040 500G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	3.84	3.95	376	390	1282	1330
FAS2040HA	FAS2040 500G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	1.95	1.97	367	379	1251	1292
FAS2040HA	FAS2040 500G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	1.82	1.83	366	378	1248	1289
FAS2040HA	FAS2040 600G SAS 2 Controller	2	68.0 lb (30.8 kg)		60 dBA	100	4.32	4.44	424	440	1445	1500
FAS2040HA	FAS2040 600G SAS 2 Controller	2	68.0 lb (30.8 kg)		60 dBA	200	2.18	2.18	415	425	1415	1449

FAS2040HA	FAS2040 750G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	100	3.98	4.10	389	405	1326	1381
FAS2040HA	FAS2040 750G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	200	2.01	2.04	381	393	1299	1340
FAS2040HA	FAS2040 750G SATA 2 Controller	2	66.0 lb (29.9 kg)		60 dBA	215	1.88	1.90	379	393	1292	1340

FAS2220 with 7-Mode 8.1.4

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 (Full)												
FAS2220A-12X1.2TB-2-R6	FAS2220 1 CNTRL 12x1.2TB	2	50.7 lb (23.0 kg)	6.5 Bels	52 dBA	100	2.60	3.40	251	338	856	1153
FAS2220A-12X1.2TB-2-R6	FAS2220 1 CNTRL 12x1.2TB	2	50.7 lb (23.0 kg)	6.5 Bels	52 dBA	200	1.33	1.72	245	329	836	1122
FAS2220A-12X1.2TB-2-R6	FAS2220 2 CNTRL 1.2TB	2	60.1 lb (27.3 kg)	6.5 Bels	52 dBA	100	2.58	3.45	256	344	876	1176
FAS2220A-12X1.2TB-2-R6	FAS2220 2 CNTRL 1.2TB	2	60.1 lb (27.3 kg)	6.5 Bels	52 dBA	200	1.34	1.73	249	333	852	1139
FAS2220A-12X1.6-SSD-2-R6	FAS2220 1 Cont 1.6TB	2	50.7 lb (23.0 kg)	6.5 Bels	52 dBA	100	1.50	3.26	148	325	506	1110
FAS2220A-12X1.6-SSD-2-R6	FAS2220 1 Cont 1.6TB	2	50.7 lb (23.0 kg)	6.5 Bels	52 dBA	200	.88	1.61	146	318	499	1086
FAS2220A-12X1.6-SSD-2-R6	FAS2220 2 CNTRL 1.6TB SSD	2	55.6 lb (25.2 kg)	6.5 Bels	52 dBA	100	1.98	2.96	191	295	653	1005
FAS2220A-12X1.6-SSD-2-R6	FAS2220 2 CNTRL 1.6TB SSD	2	55.6 lb (25.2 kg)	6.5 Bels	52 dBA	200	1.10	1.52	194	288	663	984
FAS2220A-12X1TB-2-R6	FAS2220 1 CNTRL 1TB	2	55.5 lb (25.2 kg)	6.5 Bels	52 dBA	100	2.60	4.18	258	417	881	1424
FAS2220A-12X1TB-2-R6	FAS2220 1 CNTRL 1TB	2	55.5 lb (25.2 kg)	6.5 Bels	52 dBA	200	1.33	2.00	246	396	840	1352
FAS2220A-12X1TB-2-R6	FAS2220 2 CNTRL 1TB	2	60.1 lb (27.3 kg)	6.5 Bels	52 dBA	100	3.17	5.06	315	504	1076	1721
FAS2220A-12X1TB-2-R6	FAS2220 2 CNTRL 1TB	2	60.1 lb (27.3 kg)	6.5 Bels	52 dBA	200	1.63	2.45	310	482	1058	1646
FAS2220A-12X200-SSD-2-R6	FAS2220 1 Cont 200GB	2	50.7 lb (23.0 kg)	6.5 Bels	52 dBA	100	1.50	3.26	148	325	506	1110
FAS2220A-12X200-SSD-2-R6	FAS2220 1 Cont 200GB	2	50.7 lb (23.0 kg)	6.5 Bels	52 dBA	200	.88	1.61	146	318	499	1086
FAS2220A-12X200-SSD-2-R6	FAS2220-2 200GB SSD	2	55.6 lb (25.2 kg)	6.5 Bels	52 dBA	100	2.16	2.98	216	298	738	1018
FAS2220A-12X200-SSD-2-R6	FAS2220-2 200GB SSD	2	55.6 lb (25.2 kg)	6.5 Bels	52 dBA	200	1.15	1.50	208	284	710	970
FAS2220A-12X2TB-2-R6	FAS2220 1 CNTRL 2TB	2	57.7 lb (26.2 kg)	6.5 Bels	52 dBA	100	2.63	4.26	261	425	891	1451
FAS2220A-12X2TB-2-R6	FAS2220 1 CNTRL 2TB	2	57.7 lb (26.2 kg)	6.5 Bels	52 dBA	200	1.36	2.14	252	423	861	1444
FAS2220A-12X2TB-2-R6	FAS2220 2 CNTRL 2TB	2	62.4 lb (28.3 kg)	6.5 Bels	52 dBA	100	3.25	5.16	323	515	1103	1758
FAS2220A-12X2TB-2-R6	FAS2220 2 CNTRL 2TB	2	62.4 lb (28.3 kg)	6.5 Bels	52 dBA	200	1.66	2.50	316	495	1079	1690
FAS2220A-12X3TB-2-R6	FAS2220 1 CNTRL 3TB	2	56.3 lb (25.5 kg)	6.5 Bels	52 dBA	100	2.74	4.32	271	431	925	1471
FAS2220A-12X3TB-2-R6	FAS2220 1 CNTRL 3TB	2	56.3 lb (25.5 kg)	6.5 Bels	52 dBA	200	1.38	2.14	257	423	878	1444
FAS2220A-12X3TB-2-R6	FAS2220 2 CNTRL 3TB	2	60.9 lb (27.6 kg)	6.5 Bels	52 dBA	100	3.33	5.31	331	529	1130	1806
FAS2220A-12X3TB-2-R6	FAS2220 2 CNTRL 3TB	2	60.9 lb (27.6 kg)	6.5 Bels	52 dBA	200	1.95	2.59	377	513	1287	1751
FAS2220A-12X4TB-2-R6	FAS2220 1 CNTRL 4TB	2	56.9 lb (25.8 kg)	6.5 Bels	52 dBA	100	2.48	3.30	239	325	815	1109
FAS2220A-12X4TB-2-R6	FAS2220 1 CNTRL 4TB	2	56.9 lb (25.8 kg)	6.5 Bels	52 dBA	200	1.27	1.69	235	325	802	1109

FAS2220A-12X4TB-2-R6	FAS2220 2 CNTRL 4TB	2	61.5 lb (27.9 kg)	6.5 Bels	52 dBA	100	3.12	4.32	310	430	1058	1468
FAS2220A-12X4TB-2-R6	FAS2220 2 CNTRL 4TB	2	61.5 lb (27.9 kg)	6.5 Bels	52 dBA	200	1.59	2.16	303	420	1035	1434
FAS2220A-12X600-2-R6	FAS2220 1 CNTRL 600GB	2	49.4 lb (22.4 kg)	6.5 Bels	52 dBA	100	1.97	3.71	195	370	666	1263
FAS2220A-12X600-2-R6	FAS2220 1 CNTRL 600GB	2	49.4 lb (22.4 kg)	6.5 Bels	52 dBA	200	1.08	1.82	192	360	656	1229
FAS2220A-12X600-2-R6	FAS2220 2 CNTRL 600GB	2	54.1 lb (24.5 kg)	6.5 Bels	52 dBA	100	2.27	4.58	265	457	905	1560
FAS2220A-12X600-2-R6	FAS2220 2 CNTRL 600GB	2	54.1 lb (24.5 kg)	6.5 Bels	52 dBA	200	1.39	2.23	258	440	881	1502
FAS2220A-12X800-SSD-2-R6	FAS2220 1 PCM 12x800GB	2	47.8 lb (21.7 kg)		53 dBA	100	1.74	3.33	170	326	581	1113
FAS2220A-12X800-SSD-2-R6	FAS2220 1 PCM 12x800GB	2	47.8 lb (21.7 kg)		53 dBA	200	.86	1.64	167	320	570	1093
FAS2220A-12X800-SSD-2-R6	FAS2220 2 CNTRL 800GB	2	55.1 lb (25.0 kg)	6.5 Bels	52 dBA	100	2.12	2.82	211	282	721	963
FAS2220A-12X800-SSD-2-R6	FAS2220 2 CNTRL 800GB	2	55.1 lb (25.0 kg)	6.5 Bels	52 dBA	200	1.14	1.45	206	276	704	942
FAS2220A-12X800-SSD-2-R6	FAS2220 2 PCM 12x800GB	2	52.7 lb (23.9 kg)		53 dBA	100	2.52	4.11	246	402	840	1372
FAS2220A-12X800-SSD-2-R6	FAS2220 2 PCM 12x800GB	2	52.7 lb (23.9 kg)		53 dBA	200	1.24	2.02	242	394	826	1345
FAS2220A-12X900-2-R6	FAS2220 1 PCM 12x900GB	2	46.5 lb (21.1 kg)		53 dBA	100	2.43	4.03	238	394	813	1345
FAS2220A-12X900-2-R6	FAS2220 1 PCM 12x900GB	2	46.5 lb (21.1 kg)		53 dBA	200	1.20	1.98	234	387	799	1321
FAS2220A-12X900-2-R6	FAS2220 2 PCM 12x900GB	2	51.4 lb (23.3 kg)		53 dBA	100	3.21	4.79	314	469	1072	1601
FAS2220A-12X900-2-R6	FAS2220 2 PCM 12x900GB	2	51.4 lb (23.3 kg)		53 dBA	200	1.58	2.35	308	460	1052	1570
FAS2220A-12X900-NSE-2-R6	FAS2220 1 PCM 12x900GB	2	46.5 lb (21.1 kg)		53 dBA	100	2.43	4.03	238	394	813	1345
FAS2220A-12X900-NSE-2-R6	FAS2220 1 PCM 12x900GB	2	46.5 lb (21.1 kg)		53 dBA	200	1.20	1.98	234	387	799	1321
FAS2220A-12X900-NSE-2-R6	FAS2220 2 PCM 12x900GB	2	51.4 lb (23.3 kg)		53 dBA	100	3.21	4.79	314	469	1072	1601
FAS2220A-12X900-NSE-2-R6	FAS2220 2 PCM 12x900GB	2	51.4 lb (23.3 kg)		53 dBA	200	1.58	2.35	308	460	1052	1570
Embedded Drive Config (Mixed)												
FAS2220A-16TB-12M-2-R6	FAS2220 1 CNTRL 8x2TB, 4x200GB	2	56.2 lb (25.5 kg)	6.5 Bels	53 dBA	100	2.36	3.95	231	387	789	1321
FAS2220A-16TB-12M-2-R6	FAS2220 1 CNTRL 8x2TB, 4x200GB	2	56.2 lb (25.5 kg)	6.5 Bels	53 dBA	200	1.16	1.94	227	380	775	1297
FAS2220A-16TB-12M-2-R6	FAS2220 2 PCM 8x2TB, 4x200GB	2	61.3 lb (27.8 kg)	6.5 Bels	52 dBA	100	2.80	3.76	273	374	931	1276
FAS2220A-16TB-12M-2-R6	FAS2220 2 PCM 8x2TB, 4x200GB	2	61.3 lb (27.8 kg)	6.5 Bels	52 dBA	200	1.45	1.90	263	350	897	1194
FAS2220A-32TB-12M-2-R6	FAS2220 2 PCM 8x4TB, 4x200GB	2	61.3 lb (27.8 kg)	6.5 Bels	52 dBA	100	2.80	3.76	273	374	931	1276
FAS2220A-32TB-12M-2-R6	FAS2220 2 PCM 8x4TB, 4x200GB	2	61.3 lb (27.8 kg)	6.5 Bels	52 dBA	200	1.45	1.90	263	350	897	1194
FAS2220A-8TB-12M-R6	FAS2220 1 CNTRL 8x900GB, 4x200GB	2	49.8 lb (22.6 kg)	6.5 Bels	52 dBA	100	1.99	3.76	197	375	673	1280
FAS2220A-8TB-12M-R6	FAS2220 1 CNTRL 8x900GB, 4x200GB	2	49.8 lb (22.6 kg)	6.5 Bels	52 dBA	200	1.10	1.82	194	360	663	1229
FAS2220A-8TB-12M-R6	FAS2220 2 PCM 8x900GB, 4x200GB	2	55.6 lb (25.2 kg)	6.5 Bels	52 dBA	100	2.56	3.43	277	342	946	1168
FAS2220A-8TB-12M-R6	FAS2220 2 PCM 8x900GB, 4x200GB	2	55.6 lb (25.2 kg)	6.5 Bels	52 dBA	200	1.30	1.71	240	330	820	1127
Embedded Drive Config (Full)												
FAS2220A-12X1.2TB-2-R6	FAS2220 1 CNTRL 12x1.2TB	2	50.7 lb (23.0 kg)	6.5 Bels	52 dBA	100	2.60	3.40	251	338	856	1153

FAS2220A-12X1.2TB-2-R6	FAS2220 1 CNTRL 12x1.2TB	2	50.7 lb (23.0 kg)	6.5 Bels	52 dBA	200	1.33	1.72	245	329	836	1122
FAS2220A-12X1.2TB-2-R6	FAS2220 2 CNTRL 1.2TB	2	60.1 lb (27.3 kg)	6.5 Bels	52 dBA	100	2.58	3.45	256	344	876	1176
FAS2220A-12X1.2TB-2-R6	FAS2220 2 CNTRL 1.2TB	2	60.1 lb (27.3 kg)	6.5 Bels	52 dBA	200	1.34	1.73	249	333	852	1139
FAS2220A-12X1.6-SSD-2-R6	FAS2220 1 Cont 1.6TB	2	50.7 lb (23.0 kg)	6.5 Bels	52 dBA	100	1.50	3.26	148	325	506	1110
FAS2220A-12X1.6-SSD-2-R6	FAS2220 1 Cont 1.6TB	2	50.7 lb (23.0 kg)	6.5 Bels	52 dBA	200	.88	1.61	146	318	499	1086
FAS2220A-12X1.6-SSD-2-R6	FAS2220 2 CNTRL 1.6TB SSD	2	55.6 lb (25.2 kg)	6.5 Bels	52 dBA	100	1.98	2.96	191	295	653	1005
FAS2220A-12X1.6-SSD-2-R6	FAS2220 2 CNTRL 1.6TB SSD	2	55.6 lb (25.2 kg)	6.5 Bels	52 dBA	200	1.10	1.52	194	288	663	984
FAS2220A-12X1TB-2-R6	FAS2220 1 CNTRL 1TB	2	55.5 lb (25.2 kg)	6.5 Bels	52 dBA	100	2.60	4.18	258	417	881	1424
FAS2220A-12X1TB-2-R6	FAS2220 1 CNTRL 1TB	2	55.5 lb (25.2 kg)	6.5 Bels	52 dBA	200	1.33	2.00	246	396	840	1352
FAS2220A-12X1TB-2-R6	FAS2220 2 CNTRL 1TB	2	60.1 lb (27.3 kg)	6.5 Bels	52 dBA	100	3.17	5.06	315	504	1076	1721
FAS2220A-12X1TB-2-R6	FAS2220 2 CNTRL 1TB	2	60.1 lb (27.3 kg)	6.5 Bels	52 dBA	200	1.63	2.45	310	482	1058	1646
FAS2220A-12X200-SSD-2-R6	FAS2220 1 Cont 200GB	2	50.7 lb (23.0 kg)	6.5 Bels	52 dBA	100	1.50	3.26	148	325	506	1110
FAS2220A-12X200-SSD-2-R6	FAS2220 1 Cont 200GB	2	50.7 lb (23.0 kg)	6.5 Bels	52 dBA	200	.88	1.61	146	318	499	1086
FAS2220A-12X200-SSD-2-R6	FAS2220-2 200GB SSD	2	55.6 lb (25.2 kg)	6.5 Bels	52 dBA	100	2.16	2.98	216	298	738	1018
FAS2220A-12X200-SSD-2-R6	FAS2220-2 200GB SSD	2	55.6 lb (25.2 kg)	6.5 Bels	52 dBA	200	1.15	1.50	208	284	710	970
FAS2220A-12X2TB-2-R6	FAS2220 1 CNTRL 2TB	2	57.7 lb (26.2 kg)	6.5 Bels	52 dBA	100	2.63	4.26	261	425	891	1451
FAS2220A-12X2TB-2-R6	FAS2220 1 CNTRL 2TB	2	57.7 lb (26.2 kg)	6.5 Bels	52 dBA	200	1.36	2.14	252	423	861	1444
FAS2220A-12X2TB-2-R6	FAS2220 2 CNTRL 2TB	2	62.4 lb (28.3 kg)	6.5 Bels	52 dBA	100	3.25	5.16	323	515	1103	1758
FAS2220A-12X2TB-2-R6	FAS2220 2 CNTRL 2TB	2	62.4 lb (28.3 kg)	6.5 Bels	52 dBA	200	1.66	2.50	316	495	1079	1690
FAS2220A-12X3TB-2-R6	FAS2220 1 CNTRL 3TB	2	56.3 lb (25.5 kg)	6.5 Bels	52 dBA	100	2.74	4.32	271	431	925	1471
FAS2220A-12X3TB-2-R6	FAS2220 1 CNTRL 3TB	2	56.3 lb (25.5 kg)	6.5 Bels	52 dBA	200	1.38	2.14	257	423	878	1444
FAS2220A-12X3TB-2-R6	FAS2220 2 CNTRL 3TB	2	60.9 lb (27.6 kg)	6.5 Bels	52 dBA	100	3.33	5.31	331	529	1130	1806
FAS2220A-12X3TB-2-R6	FAS2220 2 CNTRL 3TB	2	60.9 lb (27.6 kg)	6.5 Bels	52 dBA	200	1.95	2.59	377	513	1287	1751
FAS2220A-12X4TB-2-R6	FAS2220 1 CNTRL 4TB	2	56.9 lb (25.8 kg)	6.5 Bels	52 dBA	100	2.48	3.30	239	325	815	1109
FAS2220A-12X4TB-2-R6	FAS2220 1 CNTRL 4TB	2	56.9 lb (25.8 kg)	6.5 Bels	52 dBA	200	1.27	1.69	235	325	802	1109
FAS2220A-12X4TB-2-R6	FAS2220 2 CNTRL 4TB	2	61.5 lb (27.9 kg)	6.5 Bels	52 dBA	100	3.12	4.32	310	430	1058	1468
FAS2220A-12X4TB-2-R6	FAS2220 2 CNTRL 4TB	2	61.5 lb (27.9 kg)	6.5 Bels	52 dBA	200	1.59	2.16	303	420	1035	1434
FAS2220A-12X600-2-R6	FAS2220 1 CNTRL 600GB	2	49.4 lb (22.4 kg)	6.5 Bels	52 dBA	100	1.97	3.71	195	370	666	1263
FAS2220A-12X600-2-R6	FAS2220 1 CNTRL 600GB	2	49.4 lb (22.4 kg)	6.5 Bels	52 dBA	200	1.08	1.82	192	360	656	1229
FAS2220A-12X600-2-R6	FAS2220 2 CNTRL 600GB	2	54.1 lb (24.5 kg)	6.5 Bels	52 dBA	100	2.27	4.58	265	457	905	1560
FAS2220A-12X600-2-R6	FAS2220 2 CNTRL 600GB	2	54.1 lb (24.5 kg)	6.5 Bels	52 dBA	200	1.39	2.23	258	440	881	1502
FAS2220A-12X800-SSD-2-R6	FAS2220 1 PCM 12x800GB	2	47.8 lb (21.7 kg)		53 dBA	100	1.74	3.33	170	326	581	1113
FAS2220A-12X800-SSD-2-R6	FAS2220 1 PCM 12x800GB	2	47.8 lb (21.7 kg)		53 dBA	200	.86	1.64	167	320	570	1093
FAS2220A-12X800-SSD-2-R6	FAS2220 2 CNTRL 800GB	2	55.1 lb (25.0 kg)	6.5 Bels	52 dBA	100	2.12	2.82	211	282	721	963

FAS2220A-12X800-SSD-2-R6	FAS2220 2 CNTRL 800GB	2	55.1 lb (25.0 kg)	6.5 Bels	52 dBA	200	1.14	1.45	206	276	704	942
FAS2220A-12X800-SSD-2-R6	FAS2220 2 PCM 12x800GB	2	52.7 lb (23.9 kg)		53 dBA	100	2.52	4.11	246	402	840	1372
FAS2220A-12X800-SSD-2-R6	FAS2220 2 PCM 12x800GB	2	52.7 lb (23.9 kg)		53 dBA	200	1.24	2.02	242	394	826	1345
FAS2220A-12X900-2-R6	FAS2220 1 PCM 12x900GB	2	46.5 lb (21.1 kg)		53 dBA	100	2.43	4.03	238	394	813	1345
FAS2220A-12X900-2-R6	FAS2220 1 PCM 12x900GB	2	46.5 lb (21.1 kg)		53 dBA	200	1.20	1.98	234	387	799	1321
FAS2220A-12X900-2-R6	FAS2220 2 PCM 12x900GB	2	51.4 lb (23.3 kg)		53 dBA	100	3.21	4.79	314	469	1072	1601
FAS2220A-12X900-2-R6	FAS2220 2 PCM 12x900GB	2	51.4 lb (23.3 kg)		53 dBA	200	1.58	2.35	308	460	1052	1570
FAS2220A-12X900-NSE-2-R6	FAS2220 1 PCM 12x900GB	2	46.5 lb (21.1 kg)		53 dBA	100	2.43	4.03	238	394	813	1345
FAS2220A-12X900-NSE-2-R6	FAS2220 1 PCM 12x900GB	2	46.5 lb (21.1 kg)		53 dBA	200	1.20	1.98	234	387	799	1321
FAS2220A-12X900-NSE-2-R6	FAS2220 2 PCM 12x900GB	2	51.4 lb (23.3 kg)		53 dBA	100	3.21	4.79	314	469	1072	1601
FAS2220A-12X900-NSE-2-R6	FAS2220 2 PCM 12x900GB	2	51.4 lb (23.3 kg)		53 dBA	200	1.58	2.35	308	460	1052	1570
Embedded Drive Config (Mixed)												
FAS2220A-16TB-12M-2-R6	FAS2220 1 CNTRL 8x2TB, 4x200GB	2	56.2 lb (25.5 kg)	6.5 Bels	53 dBA	100	2.36	3.95	231	387	789	1321
FAS2220A-16TB-12M-2-R6	FAS2220 1 CNTRL 8x2TB, 4x200GB	2	56.2 lb (25.5 kg)	6.5 Bels	53 dBA	200	1.16	1.94	227	380	775	1297
FAS2220A-16TB-12M-2-R6	FAS2220 2 PCM 8x2TB, 4x200GB	2	61.3 lb (27.8 kg)	6.5 Bels	52 dBA	100	2.80	3.76	273	374	931	1276
FAS2220A-16TB-12M-2-R6	FAS2220 2 PCM 8x2TB, 4x200GB	2	61.3 lb (27.8 kg)	6.5 Bels	52 dBA	200	1.45	1.90	263	350	897	1194
FAS2220A-32TB-12M-2-R6	FAS2220 2 PCM 8x4TB, 4x200GB	2	61.3 lb (27.8 kg)	6.5 Bels	52 dBA	100	2.80	3.76	273	374	931	1276
FAS2220A-32TB-12M-2-R6	FAS2220 2 PCM 8x4TB, 4x200GB	2	61.3 lb (27.8 kg)	6.5 Bels	52 dBA	200	1.45	1.90	263	350	897	1194
FAS2220A-8TB-12M-R6	FAS2220 1 CNTRL 8x900GB, 4x200GB	2	49.8 lb (22.6 kg)	6.5 Bels	52 dBA	100	1.99	3.76	197	375	673	1280
FAS2220A-8TB-12M-R6	FAS2220 1 CNTRL 8x900GB, 4x200GB	2	49.8 lb (22.6 kg)	6.5 Bels	52 dBA	200	1.10	1.82	194	360	663	1229
FAS2220A-8TB-12M-R6	FAS2220 2 PCM 8x900GB, 4x200GB	2	55.6 lb (25.2 kg)	6.5 Bels	52 dBA	100	2.56	3.43	277	342	946	1168
FAS2220A-8TB-12M-R6	FAS2220 2 PCM 8x900GB, 4x200GB	2	55.6 lb (25.2 kg)	6.5 Bels	52 dBA	200	1.30	1.71	240	330	820	1127

FAS2240-2 with 7-Mode 8.1.4

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 (Half)												
FAS2240-2-12X450-2-R6	FAS2240-2 1 PCM 12x450GB SAS	2	451.9 lb (205.0 kg)	69.0 Bels	51 dBA	100	2.29	3.93	224	385	765	1314
FAS2240-2-12X450-2-R6	FAS2240-2 1 PCM 12x450GB SAS	2	451.9 lb (205.0 kg)	69.0 Bels	51 dBA	200	1.13	1.93	220	378	751	1291
FAS2240-2-12X450-2-R6	FAS2240-2 2 PCM 12x450GB SAS	2	50.0 lb (22.7 kg)	6.9 Bels	51 dBA	100	3.06	4.69	299	459	1021	1567
FAS2240-2-12X450-2-R6	FAS2240-2 2 PCM 12x450GB SAS	2	50.0 lb (22.7 kg)	6.9 Bels	51 dBA	200	1.50	2.30	294	450	1004	1536
FAS2240-2-12X600-2-R6	FAS2240-2 1 PCM 12x600GB SAS	2	45.2 lb (20.5 kg)	6.9 Bels	51 dBA	100	2.36	3.99	231	391	789	1335
FAS2240-2-12X600-2-R6	FAS2240-2 1 PCM 12x600GB SAS	2	45.2 lb (20.5 kg)	6.9 Bels	51 dBA	200	1.16	1.96	227	384	775	1311

FAS2240-2-12X600-2-R6	FAS2240-2 2 PCM 12x600GB SAS	2	50.0 lb (22.7 kg)	6.9 Bels	51 dBA	100	3.12	4.76	305	466	1041	1591
FAS2240-2-12X600-2-R6	FAS2240-2 2 PCM 12x600GB SAS	2	50.0 lb (22.7 kg)	6.9 Bels	51 dBA	200	1.53	2.34	299	457	1021	1560
FAS2240-2-12X900-2-R6	FAS2240-2 1 PCM 12x900GB SAS	2	45.2 lb (20.5 kg)	6.9 Bels	51 dBA	100	2.40	4.05	235	396	803	1352
FAS2240-2-12X900-2-R6	FAS2240-2 1 PCM 12x900GB SAS	2	45.2 lb (20.5 kg)	6.9 Bels	51 dBA	200	1.18	1.99	231	389	789	1328
FAS2240-2-12X900-2-R6	FAS2240-2 2 PCM 12x900GB SAS	2	50.0 lb (22.7 kg)	6.9 Bels	51 dBA	100	3.17	4.81	310	471	1058	1608
FAS2240-2-12X900-2-R6	FAS2240-2 2 PCM 12x900GB SAS	2	50.0 lb (22.7 kg)	6.9 Bels	51 dBA	200	1.56	2.36	304	462	1038	1577
Embedded Drive Config (Full)												
F2240A-2-24X1.2TB-2-R6	FAS2240-2 2 PCM 24x1.2TB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	100	3.82	4.78	381	477	1302	1628
F2240A-2-24X1.2TB-2-R6	FAS2240-2 2 PCM 24x1.2TB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	200	1.92	2.36	373	462	1274	1580
F2240A-2-24X200-SSD-2-R6	FAS2240-2 2 PCM 24x200GB	2	55.3 lb (25.1 kg)	6.9 Bels	51 dBA	100	2.71	3.00	270	300	922	1024
F2240A-2-24X200-SSD-2-R6	FAS2240-2 2 PCM 24x200GB	2	55.3 lb (25.1 kg)	6.9 Bels	51 dBA	200	1.40	1.72	267	335	912	1144
F2240A-2-24X450-2-R6	FAS2240-2 2 PCM no mezz 24x450GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	100	3.60	4.76	356	474	1215	1618
F2240A-2-24X450-2-R6	FAS2240-2 2 PCM no mezz 24x450GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	200	1.76	2.31	339	456	1157	1557
F2240A-2-24X450-2-R6	FAS2240-2 2 PCM no mezz 24x450GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	215	1.64	2.15	336	456	1147	1557
F2240A-2-24X600-2-R6	FAS2240-2 2 PCM no mezz 24x600GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	100	3.60	4.76	356	474	1215	1618
F2240A-2-24X600-2-R6	FAS2240-2 2 PCM no mezz 24x600GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	200	1.76	2.31	339	456	1157	1557
F2240A-2-24X600-2-R6	FAS2240-2 2 PCM no mezz 24x600GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	215	1.64	2.15	336	456	1147	1557
F2240A-2-24X600N-2-R6	FAS2240-2 2 PCM FC mezz 24x600GB	2	56.0 lb (25.4 kg)	6.9 Bels	51 dBA	100	3.61	5.07	357	509	1219	1738
F2240A-2-24X600N-2-R6	FAS2240-2 2 PCM FC mezz 24x600GB	2	56.0 lb (25.4 kg)	6.9 Bels	51 dBA	200	1.78	2.47	340	487	1161	1663
F2240A-2-24X600N-2-R6	FAS2240-2 2 PCM FC mezz 24x600GB	2	56.0 lb (25.4 kg)	6.9 Bels	51 dBA	215	1.66	2.29	338	487	1154	1663
F2240A-2-24X600N-2-R6	FAS2240-2 2 PCM no mezz 24x600GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	100	3.60	4.76	356	474	1215	1618
F2240A-2-24X600N-2-R6	FAS2240-2 2 PCM no mezz 24x600GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	200	1.76	2.31	339	456	1157	1557
F2240A-2-24X600N-2-R6	FAS2240-2 2 PCM no mezz 24x600GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	215	1.64	2.15	336	456	1147	1557
F2240A-2-24X900-2-R6	FAS2240-2 2 PCM 24x900GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	100	3.71	4.45	370	450	1263	1536
F2240A-2-24X900-2-R6	FAS2240-2 2 PCM 24x900GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	200	1.88	2.23	360	420	1229	1434
F2240A-2-24X900N-2-R6	FAS2240-2 2 PCM 24x900GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	100	3.71	4.45	370	450	1263	1536
F2240A-2-24X900N-2-R6	FAS2240-2 2 PCM 24x900GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	200	1.88	2.23	360	420	1229	1434
Embedded Drive Config (Mixed)												

F2240A-2-18TB-24M-2-R6	FAS2240-2 2 PCM 4x200GB SSD 20x900GB HDD	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	100	3.41	4.18	342	420	1168	1434
F2240A-2-18TB-24M-2-R6	FAS2240-2 2 PCM 4x200GB SSD 20x900GB HDD	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	200	1.73	2.07	356	408	1215	1393
Embedded Drive Config (Half)												
FAS2240-2-12X450-2-R6	FAS2240-2 1 PCM 12x450GB SAS	2	451.9 lb (205.0 kg)	69.0 Bels	51 dBA	100	2.29	3.93	224	385	765	1314
FAS2240-2-12X450-2-R6	FAS2240-2 1 PCM 12x450GB SAS	2	451.9 lb (205.0 kg)	69.0 Bels	51 dBA	200	1.13	1.93	220	378	751	1291
FAS2240-2-12X450-2-R6	FAS2240-2 2 PCM 12x450GB SAS	2	50.0 lb (22.7 kg)	6.9 Bels	51 dBA	100	3.06	4.69	299	459	1021	1567
FAS2240-2-12X450-2-R6	FAS2240-2 2 PCM 12x450GB SAS	2	50.0 lb (22.7 kg)	6.9 Bels	51 dBA	200	1.50	2.30	294	450	1004	1536
FAS2240-2-12X600-2-R6	FAS2240-2 1 PCM 12x600GB SAS	2	45.2 lb (20.5 kg)	6.9 Bels	51 dBA	100	2.36	3.99	231	391	789	1335
FAS2240-2-12X600-2-R6	FAS2240-2 1 PCM 12x600GB SAS	2	45.2 lb (20.5 kg)	6.9 Bels	51 dBA	200	1.16	1.96	227	384	775	1311
FAS2240-2-12X600-2-R6	FAS2240-2 2 PCM 12x600GB SAS	2	50.0 lb (22.7 kg)	6.9 Bels	51 dBA	100	3.12	4.76	305	466	1041	1591
FAS2240-2-12X600-2-R6	FAS2240-2 2 PCM 12x600GB SAS	2	50.0 lb (22.7 kg)	6.9 Bels	51 dBA	200	1.53	2.34	299	457	1021	1560
FAS2240-2-12X900-2-R6	FAS2240-2 1 PCM 12x900GB SAS	2	45.2 lb (20.5 kg)	6.9 Bels	51 dBA	100	2.40	4.05	235	396	803	1352
FAS2240-2-12X900-2-R6	FAS2240-2 1 PCM 12x900GB SAS	2	45.2 lb (20.5 kg)	6.9 Bels	51 dBA	200	1.18	1.99	231	389	789	1328
FAS2240-2-12X900-2-R6	FAS2240-2 2 PCM 12x900GB SAS	2	50.0 lb (22.7 kg)	6.9 Bels	51 dBA	100	3.17	4.81	310	471	1058	1608
FAS2240-2-12X900-2-R6	FAS2240-2 2 PCM 12x900GB SAS	2	50.0 lb (22.7 kg)	6.9 Bels	51 dBA	200	1.56	2.36	304	462	1038	1577
Embedded Drive Config (Full)												
F2240A-2-24X1.2TB-2-R6	FAS2240-2 2 PCM 24x1.2TB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	100	3.82	4.78	381	477	1302	1628
F2240A-2-24X1.2TB-2-R6	FAS2240-2 2 PCM 24x1.2TB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	200	1.92	2.36	373	462	1274	1580
F2240A-2-24X200-SSD-2-R6	FAS2240-2 2 PCM 24x200GB	2	55.3 lb (25.1 kg)	6.9 Bels	51 dBA	100	2.71	3.00	270	300	922	1024
F2240A-2-24X200-SSD-2-R6	FAS2240-2 2 PCM 24x200GB	2	55.3 lb (25.1 kg)	6.9 Bels	51 dBA	200	1.40	1.72	267	335	912	1144
F2240A-2-24X450-2-R6	FAS2240-2 2 PCM no mezz 24x450GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	100	3.60	4.76	356	474	1215	1618
F2240A-2-24X450-2-R6	FAS2240-2 2 PCM no mezz 24x450GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	200	1.76	2.31	339	456	1157	1557
F2240A-2-24X450-2-R6	FAS2240-2 2 PCM no mezz 24x450GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	215	1.64	2.15	336	456	1147	1557
F2240A-2-24X600-2-R6	FAS2240-2 2 PCM no mezz 24x600GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	100	3.60	4.76	356	474	1215	1618
F2240A-2-24X600-2-R6	FAS2240-2 2 PCM no mezz 24x600GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	200	1.76	2.31	339	456	1157	1557
F2240A-2-24X600-2-R6	FAS2240-2 2 PCM no mezz 24x600GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	215	1.64	2.15	336	456	1147	1557
F2240A-2-24X600N-2-R6	FAS2240-2 2 PCM FC mezz 24x600GB	2	56.0 lb (25.4 kg)	6.9 Bels	51 dBA	100	3.61	5.07	357	509	1219	1738
F2240A-2-24X600N-2-R6	FAS2240-2 2 PCM FC mezz 24x600GB	2	56.0 lb (25.4 kg)	6.9 Bels	51 dBA	200	1.78	2.47	340	487	1161	1663
F2240A-2-24X600N-2-R6	FAS2240-2 2 PCM FC mezz 24x600GB	2	56.0 lb (25.4 kg)	6.9 Bels	51 dBA	215	1.66	2.29	338	487	1154	1663

F2240A-2-24X600N-2-R6	FAS2240-2 2 PCM no mezz 24x600GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	100	3.60	4.76	356	474	1215	1618
F2240A-2-24X600N-2-R6	FAS2240-2 2 PCM no mezz 24x600GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	200	1.76	2.31	339	456	1157	1557
F2240A-2-24X600N-2-R6	FAS2240-2 2 PCM no mezz 24x600GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	215	1.64	2.15	336	456	1147	1557
F2240A-2-24X900-2-R6	FAS2240-2 2 PCM 24x900GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	100	3.71	4.45	370	450	1263	1536
F2240A-2-24X900-2-R6	FAS2240-2 2 PCM 24x900GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	200	1.88	2.23	360	420	1229	1434
F2240A-2-24X900N-2-R6	FAS2240-2 2 PCM 24x900GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	100	3.71	4.45	370	450	1263	1536
F2240A-2-24X900N-2-R6	FAS2240-2 2 PCM 24x900GB	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	200	1.88	2.23	360	420	1229	1434
Embedded Drive Config (Mixed)												
F2240A-2-18TB-24M-2-R6	FAS2240-2 2 PCM 4x200GB SSD 20x900GB HDD	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	100	3.41	4.18	342	420	1168	1434
F2240A-2-18TB-24M-2-R6	FAS2240-2 2 PCM 4x200GB SSD 20x900GB HDD	2	55.6 lb (25.2 kg)	6.9 Bels	51 dBA	200	1.73	2.07	356	408	1215	1393

FAS2240-4 with 7-Mode 8.1.4

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
FAS2240-4												
FAS2240-4	FAS2240-4 1 Cont 100GB	4	87.3 lb (39.6 kg)	6.9 Bels	50 dBA	100	3.54	3.94	352	391	1202	1335
FAS2240-4	FAS2240-4 1 Cont 100GB	4	87.3 lb (39.6 kg)	6.9 Bels	50 dBA	200	1.89	2.06	342	380	1168	1297
FAS2240-4	FAS2240-4 1 PCM 10GbE mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	100	4.93	5.39	489	537	1669	1833
FAS2240-4	FAS2240-4 1 PCM 10GbE mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	200	2.53	2.71	477	524	1628	1789
FAS2240-4	FAS2240-4 1 PCM 10GbE mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	215	2.41	2.56	475	521	1622	1779
FAS2240-4	FAS2240-4 1 PCM 12x2TB SATA	4	76.1 lb (34.5 kg)	6.9 Bels	50 dBA	100	2.78	3.68	272	360	929	1229
FAS2240-4	FAS2240-4 1 PCM 12x2TB SATA	4	76.1 lb (34.5 kg)	6.9 Bels	50 dBA	200	1.37	1.81	267	353	912	1205
FAS2240-4	FAS2240-4 1 PCM 12x8TB	4	80.5 lb (36.5 kg)	6.9 Bels	50 dBA	100	2.91	3.81	285	373	973	1274
FAS2240-4	FAS2240-4 1 PCM 12x8TB	4	80.5 lb (36.5 kg)	6.9 Bels	50 dBA	200	1.43	1.87	280	366	956	1250
FAS2240-4	FAS2240-4 1 PCM 16x8TB, 8x400GB	4	98.3 lb (44.6 kg)	6.9 Bels	50 dBA	100	3.93	4.83	385	473	1314	1615
FAS2240-4	FAS2240-4 1 PCM 16x8TB, 8x400GB	4	98.3 lb (44.6 kg)	6.9 Bels	50 dBA	200	1.93	2.37	378	464	1291	1584
FAS2240-4	FAS2240-4 1 PCM 16x8TB, 8x800GB	4	98.3 lb (44.6 kg)	6.9 Bels	50 dBA	100	3.93	4.83	385	473	1314	1615
FAS2240-4	FAS2240-4 1 PCM 16x8TB, 8x800GB	4	98.3 lb (44.6 kg)	6.9 Bels	50 dBA	200	1.93	2.37	378	464	1291	1584
FAS2240-4	FAS2240-4 1 PCM 18x4TB, 6x3.8TB	4	97.0 lb (44.0 kg)	6.9 Bels	50 dBA	100	3.68	4.58	360	448	1229	1529
FAS2240-4	FAS2240-4 1 PCM 18x4TB, 6x3.8TB	4	97.0 lb (44.0 kg)	6.9 Bels	50 dBA	200	1.81	2.25	353	440	1205	1502
FAS2240-4	FAS2240-4 1 PCM 18x6TB, 6x3.8TB	4	101.0 lb (45.8 kg)	6.9 Bels	50 dBA	100	4.06	4.95	397	485	1355	1656
FAS2240-4	FAS2240-4 1 PCM 18x6TB, 6x3.8TB	4	101.0 lb (45.8 kg)	6.9 Bels	50 dBA	200	1.99	2.43	390	476	1332	1625

FAS2240-4	FAS2240-4 1 PCM 18x8TB, 6x3.8TB	4	100.5 lb (45.6 kg)	6.9 Bels	50 dBA	100	4.10	4.99	401	489	1369	1669
FAS2240-4	FAS2240-4 1 PCM 18x8TB, 6x3.8TB	4	100.5 lb (45.6 kg)	6.9 Bels	50 dBA	200	2.01	2.45	393	480	1342	1639
FAS2240-4	FAS2240-4 1 PCM 18x8TB, 6x400GB	4	100.5 lb (45.6 kg)	6.9 Bels	50 dBA	100	4.14	5.04	405	493	1383	1683
FAS2240-4	FAS2240-4 1 PCM 18x8TB, 6x400GB	4	100.5 lb (45.6 kg)	6.9 Bels	50 dBA	200	2.03	2.47	397	484	1355	1652
FAS2240-4	FAS2240-4 1 PCM 20x2TB SATA, 4x200GB SSD	4	95.2 lb (43.2 kg)	6.9 Bels	50 dBA	100	4.07	4.96	398	486	1359	1659
FAS2240-4	FAS2240-4 1 PCM 20x2TB SATA, 4x200GB SSD	4	95.2 lb (43.2 kg)	6.9 Bels	50 dBA	200	2.00	2.44	391	477	1335	1628
FAS2240-4	FAS2240-4 1 PCM 20x4TB NL-SAS, 4x200GB SSD	4	98.8 lb (44.8 kg)	6.9 Bels	50 dBA	100	4.22	5.12	413	501	1410	1710
FAS2240-4	FAS2240-4 1 PCM 20x4TB NL-SAS, 4x200GB SSD	4	98.8 lb (44.8 kg)	6.9 Bels	50 dBA	200	2.07	2.51	405	491	1383	1676
FAS2240-4	FAS2240-4 1 PCM 20x6TB, 4x3.8TB	4	103.2 lb (46.8 kg)	6.9 Bels	50 dBA	100	4.27	5.17	418	506	1427	1727
FAS2240-4	FAS2240-4 1 PCM 20x6TB, 4x3.8TB	4	103.2 lb (46.8 kg)	6.9 Bels	50 dBA	200	2.10	2.54	410	496	1400	1693
FAS2240-4	FAS2240-4 1 PCM 20x8TB, 4x3.8TB	4	102.7 lb (46.6 kg)	6.9 Bels	50 dBA	100	4.31	5.21	422	510	1441	1741
FAS2240-4	FAS2240-4 1 PCM 20x8TB, 4x3.8TB	4	102.7 lb (46.6 kg)	6.9 Bels	50 dBA	200	2.12	2.56	414	500	1413	1707
FAS2240-4	FAS2240-4 1 PCM 20x8TB, 4x800GB	4	102.7 lb (46.6 kg)	6.9 Bels	50 dBA	100	4.34	5.24	425	513	1451	1751
FAS2240-4	FAS2240-4 1 PCM 20x8TB, 4x800GB	4	102.7 lb (46.6 kg)	6.9 Bels	50 dBA	200	2.13	2.57	417	503	1424	1717
FAS2240-4	FAS2240-4 1 PCM 24x1.6TB	4	79.1 lb (35.9 kg)	6.9 Bels	50 dBA	100	2.52	3.41	246	334	840	1140
FAS2240-4	FAS2240-4 1 PCM 24x1.6TB	4	79.1 lb (35.9 kg)	6.9 Bels	50 dBA	200	1.24	1.68	242	328	826	1120
FAS2240-4	FAS2240-4 1 PCM 24x10TB	4	99.2 lb (45.0 kg)	6.9 Bels	50 dBA	100	4.19	5.09	410	498	1400	1700
FAS2240-4	FAS2240-4 1 PCM 24x10TB	4	99.2 lb (45.0 kg)	6.9 Bels	50 dBA	200	2.06	2.50	402	489	1372	1669
FAS2240-4	FAS2240-4 1 PCM 24x400GB	4	87.3 lb (39.6 kg)	6.9 Bels	50 dBA	100	2.84	3.52	289	354	986	1208
FAS2240-4	FAS2240-4 1 PCM 24x400GB	4	87.3 lb (39.6 kg)	6.9 Bels	50 dBA	200	1.66	1.91	283	341	966	1163
FAS2240-4	FAS2240-4 1 PCM 24x4TB	4	102.1 lb (46.3 kg)	6.9 Bels	50 dBA	100	4.67	5.56	457	544	1560	1857
FAS2240-4	FAS2240-4 1 PCM 24x4TB	4	102.1 lb (46.3 kg)	6.9 Bels	50 dBA	200	2.29	2.73	448	534	1529	1823
FAS2240-4	FAS2240-4 1 PCM 24x4TB NSE NL- SAS	4	102.1 lb (46.3 kg)	6.9 Bels	50 dBA	100	4.67	5.56	457	544	1560	1857
FAS2240-4	FAS2240-4 1 PCM 24x4TB NSE NL- SAS	4	102.1 lb (46.3 kg)	6.9 Bels	50 dBA	200	2.29	2.73	448	534	1529	1823
FAS2240-4	FAS2240-4 1 PCM 24x6TB	4	102.1 lb (46.3 kg)			100	4.52	5.27	457	518	1558	1766
FAS2240-4	FAS2240-4 1 PCM 24x6TB	4	102.1 lb (46.3 kg)			200	2.31	2.62	417	487	1422	1661
FAS2240-4	FAS2240-4 1 PCM 24x800GB	4	79.1 lb (35.9 kg)	6.9 Bels	50 dBA	100	2.30	3.20	225	313	768	1069
FAS2240-4	FAS2240-4 1 PCM 24x800GB	4	79.1 lb (35.9 kg)	6.9 Bels	50 dBA	200	1.13	1.57	221	307	755	1048
FAS2240-4	FAS2240-4 1 PCM 24x8TB	4	107.1 lb (48.6 kg)	6.9 Bels	50 dBA	100	4.75	565.00	465	553	1587	1888
FAS2240-4	FAS2240-4 1 PCM 24x8TB	4	107.1 lb (48.6 kg)	6.9 Bels	50 dBA	200	2.33	2.77	456	542	1557	1850
FAS2240-4	FAS2240-4 1 PCM 24x960GB	4	79.1 lb (35.9 kg)	6.9 Bels	50 dBA	100	3.99	4.89	391	479	1335	1635

FAS2240-4	FAS2240-4 1 PCM 24x960GB	4	79.1 lb (35.9 kg)	6.9 Bels	50 dBA	200	1.96	2.40	384	470	1311	1605
FAS2240-4	FAS2240-4 1 PCM FC mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	100	5.01	5.39	497	537	1697	1833
FAS2240-4	FAS2240-4 1 PCM FC mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	200	2.56	2.72	484	524	1652	1789
FAS2240-4	FAS2240-4 1 PCM FC mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	215	2.44	2.56	483	519	1649	1772
FAS2240-4	FAS2240-4 1 PCM no mezz 1TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	100	4.85	5.34	482	533	1646	1820
FAS2240-4	FAS2240-4 1 PCM no mezz 1TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	200	2.50	2.68	468	517	1598	1765
FAS2240-4	FAS2240-4 1 PCM no mezz 1TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	215	2.37	2.53	466	515	1591	1758
FAS2240-4	FAS2240-4 1 PCM no mezz 2TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	100	4.85	5.34	482	533	1646	1820
FAS2240-4	FAS2240-4 1 PCM no mezz 2TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	200	2.50	2.68	468	517	1598	1765
FAS2240-4	FAS2240-4 1 PCM no mezz 2TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	215	2.37	2.53	466	515	1591	1758
FAS2240-4	FAS2240-4 1 PCM no mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	100	4.95	5.36	489	533	1669	1820
FAS2240-4	FAS2240-4 1 PCM no mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	200	2.53	2.70	476	520	1625	1775
FAS2240-4	FAS2240-4 1 PCM no mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	215	2.40	2.55	475	518	1622	1768
FAS2240-4	FAS2240-4 1PCM 12x3.8TB	4	66.4 lb (30.1 kg)	6.9 Bels	50 dBA	100	1.62	2.50	158	245	540	837
FAS2240-4	FAS2240-4 1PCM 12x3.8TB	4	66.4 lb (30.1 kg)	6.9 Bels	50 dBA	200	.80	1.23	155	241	529	823
FAS2240-4	FAS2240-4 1PCM 24x3.8TB	4	79.1 lb (35.9 kg)	6.9 Bels	50 dBA	100	2.15	3.05	210	298	717	1018
FAS2240-4	FAS2240-4 1PCM 24x3.8TB	4	79.1 lb (35.9 kg)	6.9 Bels	50 dBA	200	1.06	1.50	206	293	704	1000
FAS2240-4	FAS2240-4 200GB SSD	4	87.3 lb (39.6 kg)	6.9 Bels	50 dBA	100	3.54	3.94	352	391	1202	1335
FAS2240-4	FAS2240-4 200GB SSD	4	87.3 lb (39.6 kg)	6.9 Bels	50 dBA	200	1.89	2.06	342	380	1168	1297
FAS2240-4	FAS2240-4 4x200GB SSD 20x3TB HDD	4	104.7 lb (47.5 kg)	6.9 Bels	50 dBA	100	5.06	5.94	503	589	1717	2011
FAS2240-4	FAS2240-4 4x200GB SSD 20x3TB HDD	4	104.7 lb (47.5 kg)	6.9 Bels	50 dBA	200	2.57	2.99	486	570	1659	1946
Embedded Drive Config (Half)												
F2240A-4-12X2TB-2 R6	FAS2240-4 2 PCM 12x2TB SATA	4	80.9 lb (36.7 kg)	6.9 Bels	50 dBA	100	3.63	4.53	355	443	1212	1512
F2240A-4-12X2TB-2 R6	FAS2240-4 2 PCM 12x2TB SATA	4	80.9 lb (36.7 kg)	6.9 Bels	50 dBA	200	1.78	2.22	348	435	1188	1485
Embedded Drive Config (Full)												
F2240A-4-24X1TB-2 R6	FAS2240-4 2 PCM no mezz 3TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	100	5.53	5.97	547	595	1867	2031
F2240A-4-24X1TB-2 R6	FAS2240-4 2 PCM no mezz 3TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	200	2.82	3.01	536	581	1830	1983
F2240A-4-24X1TB-2 R6	FAS2240-4 2 PCM no mezz 3TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	215	2.67	2.83	531	578	1813	1973
F2240A-4-24X2TB-2 R6	FAS2240-4 2 PCM no mezz 2TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	100	5.52	5.87	545	582	1861	1987
F2240A-4-24X2TB-2 R6	FAS2240-4 2 PCM no mezz 2TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	200	2.79	2.94	531	568	1813	1939
F2240A-4-24X2TB-2 R6	FAS2240-4 2 PCM no mezz 2TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	215	2.66	2.76	529	565	1806	1929
F2240A-4-24X3TB-2 R6	FAS2240-4 2 PCM no mezz 1TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	100	5.52	5.87	545	582	1861	1987
F2240A-4-24X3TB-2 R6	FAS2240-4 2 PCM no mezz 1TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	200	2.79	2.94	531	568	1813	1939
F2240A-4-24X3TB-2 R6	FAS2240-4 2 PCM no mezz 1TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	215	2.66	2.76	529	565	1806	1929

F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM 10GbE mezz 3TB	4	107.8 lb (48.9 kg)	6.9 Bels	50 dBA	100	5.65	6.00	562	597	1919	2038
F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM 10GbE mezz 3TB	4	107.8 lb (48.9 kg)	6.9 Bels	50 dBA	200	2.94	3.02	560	584	1912	1994
F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM 10GbE mezz 3TB	4	107.8 lb (48.9 kg)	6.9 Bels	50 dBA	215	2.80	2.82	561	578	1915	1973
F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM FC mezz 3TB	4	107.8 lb (48.9 kg)	6.9 Bels	50 dBA	100	5.74	6.02	571	599	1949	2045
F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM FC mezz 3TB	4	107.8 lb (48.9 kg)	6.9 Bels	50 dBA	200	2.91	3.03	554	586	1891	2000
F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM FC mezz 3TB	4	107.8 lb (48.9 kg)	6.9 Bels	50 dBA	215	2.76	2.84	551	581	1881	1983
F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM no mezz 3TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	100	5.53	5.97	547	595	1867	2031
F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM no mezz 3TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	200	2.82	3.01	536	581	1830	1983
F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM no mezz 3TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	215	2.67	2.83	531	578	1813	1973
F2240A-4-24X4TB-2-R6	FAS2240-4 2 PCM 4TB x 24	4	107.1 lb (48.6 kg)	6.9 Bels	50 dBA	100	5.49	5.95	544	593	1855	2022
F2240A-4-24X4TB-2-R6	FAS2240-4 2 PCM 4TB x 24	4	107.1 lb (48.6 kg)	6.9 Bels	50 dBA	200	2.58	2.99	490	573	1671	1954
F2240A-4-24X4TBN-2-R6	FAS2240-4 2 PCM 4TB x 24	4	107.1 lb (48.6 kg)	6.9 Bels	50 dBA	100	5.49	5.95	544	593	1855	2022
F2240A-4-24X4TBN-2-R6	FAS2240-4 2 PCM 4TB x 24	4	107.1 lb (48.6 kg)	6.9 Bels	50 dBA	200	2.58	2.99	490	573	1671	1954
Embedded Drive Config (Mixed)												
F2240A-4-40TB-24M-2-R6	FAS2240-4 2 PCM 20x2TB SATA, 4x200GB SSD	4	100.1 lb (45.4 kg)	6.9 Bels	50 dBA	100	4.91	5.81	481	569	1642	1942
F2240A-4-40TB-24M-2-R6	FAS2240-4 2 PCM 20x2TB SATA, 4x200GB SSD	4	100.1 lb (45.4 kg)	6.9 Bels	50 dBA	200	2.41	2.85	472	558	1611	1905
F2240A-4-80TB-24M-2-R6	FAS2240-4 2 PCM 20x4TB NL-SAS, 4x200GB SSD	4	9.0 lb (4.1 kg)	6.9 Bels	50 dBA	100	5.07	5.96	496	584	1693	1994
F2240A-4-80TB-24M-2-R6	FAS2240-4 2 PCM 20x4TB NL-SAS, 4x200GB SSD	4	9.0 lb (4.1 kg)	6.9 Bels	50 dBA	200	2.49	2.93	487	573	1663	1956
FAS2240-4												
FAS2240-4	FAS2240-4 1 Cont 100GB	4	87.3 lb (39.6 kg)	6.9 Bels	50 dBA	100	3.54	3.94	352	391	1202	1335
FAS2240-4	FAS2240-4 1 Cont 100GB	4	87.3 lb (39.6 kg)	6.9 Bels	50 dBA	200	1.89	2.06	342	380	1168	1297
FAS2240-4	FAS2240-4 1 PCM 10GbE mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	100	4.93	5.39	489	537	1669	1833
FAS2240-4	FAS2240-4 1 PCM 10GbE mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	200	2.53	2.71	477	524	1628	1789
FAS2240-4	FAS2240-4 1 PCM 10GbE mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	215	2.41	2.56	475	521	1622	1779
FAS2240-4	FAS2240-4 1 PCM 12x2TB SATA	4	76.1 lb (34.5 kg)	6.9 Bels	50 dBA	100	2.78	3.68	272	360	929	1229
FAS2240-4	FAS2240-4 1 PCM 12x2TB SATA	4	76.1 lb (34.5 kg)	6.9 Bels	50 dBA	200	1.37	1.81	267	353	912	1205
FAS2240-4	FAS2240-4 1 PCM 12x8TB	4	80.5 lb (36.5 kg)	6.9 Bels	50 dBA	100	2.91	3.81	285	373	973	1274
FAS2240-4	FAS2240-4 1 PCM 12x8TB	4	80.5 lb (36.5 kg)	6.9 Bels	50 dBA	200	1.43	1.87	280	366	956	1250
FAS2240-4	FAS2240-4 1 PCM 16x8TB, 8x400GB	4	98.3 lb (44.6 kg)	6.9 Bels	50 dBA	100	3.93	4.83	385	473	1314	1615
FAS2240-4	FAS2240-4 1 PCM 16x8TB, 8x400GB	4	98.3 lb (44.6 kg)	6.9 Bels	50 dBA	200	1.93	2.37	378	464	1291	1584
FAS2240-4	FAS2240-4 1 PCM 16x8TB, 8x800GB	4	98.3 lb (44.6 kg)	6.9 Bels	50 dBA	100	3.93	4.83	385	473	1314	1615
FAS2240-4	FAS2240-4 1 PCM 16x8TB, 8x800GB	4	98.3 lb (44.6 kg)	6.9 Bels	50 dBA	200	1.93	2.37	378	464	1291	1584
FAS2240-4	FAS2240-4 1 PCM 18x4TB, 6x3.8TB	4	97.0 lb (44.0 kg)	6.9 Bels	50 dBA	100	3.68	4.58	360	448	1229	1529

FAS2240-4	FAS2240-4 1 PCM 18x4TB, 6x3.8TB	4	97.0 lb (44.0 kg)	6.9 Bels	50 dBA	200	1.81	2.25	353	440	1205	1502
FAS2240-4	FAS2240-4 1 PCM 18x6TB, 6x3.8TB	4	101.0 lb (45.8 kg)	6.9 Bels	50 dBA	100	4.06	4.95	397	485	1355	1656
FAS2240-4	FAS2240-4 1 PCM 18x6TB, 6x3.8TB	4	101.0 lb (45.8 kg)	6.9 Bels	50 dBA	200	1.99	2.43	390	476	1332	1625
FAS2240-4	FAS2240-4 1 PCM 18x8TB, 6x3.8TB	4	100.5 lb (45.6 kg)	6.9 Bels	50 dBA	100	4.10	4.99	401	489	1369	1669
FAS2240-4	FAS2240-4 1 PCM 18x8TB, 6x3.8TB	4	100.5 lb (45.6 kg)	6.9 Bels	50 dBA	200	2.01	2.45	393	480	1342	1639
FAS2240-4	FAS2240-4 1 PCM 18x8TB, 6x400GB	4	100.5 lb (45.6 kg)	6.9 Bels	50 dBA	100	4.14	5.04	405	493	1383	1683
FAS2240-4	FAS2240-4 1 PCM 18x8TB, 6x400GB	4	100.5 lb (45.6 kg)	6.9 Bels	50 dBA	200	2.03	2.47	397	484	1355	1652
FAS2240-4	FAS2240-4 1 PCM 20x2TB SATA, 4x200GB SSD	4	95.2 lb (43.2 kg)	6.9 Bels	50 dBA	100	4.07	4.96	398	486	1359	1659
FAS2240-4	FAS2240-4 1 PCM 20x2TB SATA, 4x200GB SSD	4	95.2 lb (43.2 kg)	6.9 Bels	50 dBA	200	2.00	2.44	391	477	1335	1628
FAS2240-4	FAS2240-4 1 PCM 20x4TB NL-SAS, 4x200GB SSD	4	98.8 lb (44.8 kg)	6.9 Bels	50 dBA	100	4.22	5.12	413	501	1410	1710
FAS2240-4	FAS2240-4 1 PCM 20x4TB NL-SAS, 4x200GB SSD	4	98.8 lb (44.8 kg)	6.9 Bels	50 dBA	200	2.07	2.51	405	491	1383	1676
FAS2240-4	FAS2240-4 1 PCM 20x6TB, 4x3.8TB	4	103.2 lb (46.8 kg)	6.9 Bels	50 dBA	100	4.27	5.17	418	506	1427	1727
FAS2240-4	FAS2240-4 1 PCM 20x6TB, 4x3.8TB	4	103.2 lb (46.8 kg)	6.9 Bels	50 dBA	200	2.10	2.54	410	496	1400	1693
FAS2240-4	FAS2240-4 1 PCM 20x8TB, 4x3.8TB	4	102.7 lb (46.6 kg)	6.9 Bels	50 dBA	100	4.31	5.21	422	510	1441	1741
FAS2240-4	FAS2240-4 1 PCM 20x8TB, 4x3.8TB	4	102.7 lb (46.6 kg)	6.9 Bels	50 dBA	200	2.12	2.56	414	500	1413	1707
FAS2240-4	FAS2240-4 1 PCM 20x8TB, 4x800GB	4	102.7 lb (46.6 kg)	6.9 Bels	50 dBA	100	4.34	5.24	425	513	1451	1751
FAS2240-4	FAS2240-4 1 PCM 20x8TB, 4x800GB	4	102.7 lb (46.6 kg)	6.9 Bels	50 dBA	200	2.13	2.57	417	503	1424	1717
FAS2240-4	FAS2240-4 1 PCM 24x1.6TB	4	79.1 lb (35.9 kg)	6.9 Bels	50 dBA	100	2.52	3.41	246	334	840	1140
FAS2240-4	FAS2240-4 1 PCM 24x1.6TB	4	79.1 lb (35.9 kg)	6.9 Bels	50 dBA	200	1.24	1.68	242	328	826	1120
FAS2240-4	FAS2240-4 1 PCM 24x10TB	4	99.2 lb (45.0 kg)	6.9 Bels	50 dBA	100	4.19	5.09	410	498	1400	1700
FAS2240-4	FAS2240-4 1 PCM 24x10TB	4	99.2 lb (45.0 kg)	6.9 Bels	50 dBA	200	2.06	2.50	402	489	1372	1669
FAS2240-4	FAS2240-4 1 PCM 24x400GB	4	87.3 lb (39.6 kg)	6.9 Bels	50 dBA	100	2.84	3.52	289	354	986	1208
FAS2240-4	FAS2240-4 1 PCM 24x400GB	4	87.3 lb (39.6 kg)	6.9 Bels	50 dBA	200	1.66	1.91	283	341	966	1163
FAS2240-4	FAS2240-4 1 PCM 24x4TB	4	102.1 lb (46.3 kg)	6.9 Bels	50 dBA	100	4.67	5.56	457	544	1560	1857
FAS2240-4	FAS2240-4 1 PCM 24x4TB	4	102.1 lb (46.3 kg)	6.9 Bels	50 dBA	200	2.29	2.73	448	534	1529	1823
FAS2240-4	FAS2240-4 1 PCM 24x4TB NSE NL- SAS	4	102.1 lb (46.3 kg)	6.9 Bels	50 dBA	100	4.67	5.56	457	544	1560	1857
FAS2240-4	FAS2240-4 1 PCM 24x4TB NSE NL- SAS	4	102.1 lb (46.3 kg)	6.9 Bels	50 dBA	200	2.29	2.73	448	534	1529	1823
FAS2240-4	FAS2240-4 1 PCM 24x6TB	4	102.1 lb (46.3 kg)			100	4.52	5.27	457	518	1558	1766
FAS2240-4	FAS2240-4 1 PCM 24x6TB	4	102.1 lb (46.3 kg)			200	2.31	2.62	417	487	1422	1661
FAS2240-4	FAS2240-4 1 PCM 24x800GB	4	79.1 lb (35.9 kg)	6.9 Bels	50 dBA	100	2.30	3.20	225	313	768	1069
FAS2240-4	FAS2240-4 1 PCM 24x800GB	4	79.1 lb (35.9 kg)	6.9 Bels	50 dBA	200	1.13	1.57	221	307	755	1048

FAS2240-4	FAS2240-4 1 PCM 24x8TB	4	107.1 lb (48.6 kg)	6.9 Bels	50 dBA	100	4.75	565.00	465	553	1587	1888
FAS2240-4	FAS2240-4 1 PCM 24x8TB	4	107.1 lb (48.6 kg)	6.9 Bels	50 dBA	200	2.33	2.77	456	542	1557	1850
FAS2240-4	FAS2240-4 1 PCM 24x960GB	4	79.1 lb (35.9 kg)	6.9 Bels	50 dBA	100	3.99	4.89	391	479	1335	1635
FAS2240-4	FAS2240-4 1 PCM 24x960GB	4	79.1 lb (35.9 kg)	6.9 Bels	50 dBA	200	1.96	2.40	384	470	1311	1605
FAS2240-4	FAS2240-4 1 PCM FC mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	100	5.01	5.39	497	537	1697	1833
FAS2240-4	FAS2240-4 1 PCM FC mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	200	2.56	2.72	484	524	1652	1789
FAS2240-4	FAS2240-4 1 PCM FC mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	215	2.44	2.56	483	519	1649	1772
FAS2240-4	FAS2240-4 1 PCM no mezz 1TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	100	4.85	5.34	482	533	1646	1820
FAS2240-4	FAS2240-4 1 PCM no mezz 1TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	200	2.50	2.68	468	517	1598	1765
FAS2240-4	FAS2240-4 1 PCM no mezz 1TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	215	2.37	2.53	466	515	1591	1758
FAS2240-4	FAS2240-4 1 PCM no mezz 2TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	100	4.85	5.34	482	533	1646	1820
FAS2240-4	FAS2240-4 1 PCM no mezz 2TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	200	2.50	2.68	468	517	1598	1765
FAS2240-4	FAS2240-4 1 PCM no mezz 2TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	215	2.37	2.53	466	515	1591	1758
FAS2240-4	FAS2240-4 1 PCM no mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	100	4.95	5.36	489	533	1669	1820
FAS2240-4	FAS2240-4 1 PCM no mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	200	2.53	2.70	476	520	1625	1775
FAS2240-4	FAS2240-4 1 PCM no mezz 3TB	4	102.3 lb (46.4 kg)	6.9 Bels	50 dBA	215	2.40	2.55	475	518	1622	1768
FAS2240-4	FAS2240-4 1PCM 12x3.8TB	4	66.4 lb (30.1 kg)	6.9 Bels	50 dBA	100	1.62	2.50	158	245	540	837
FAS2240-4	FAS2240-4 1PCM 12x3.8TB	4	66.4 lb (30.1 kg)	6.9 Bels	50 dBA	200	.80	1.23	155	241	529	823
FAS2240-4	FAS2240-4 1PCM 24x3.8TB	4	79.1 lb (35.9 kg)	6.9 Bels	50 dBA	100	2.15	3.05	210	298	717	1018
FAS2240-4	FAS2240-4 1PCM 24x3.8TB	4	79.1 lb (35.9 kg)	6.9 Bels	50 dBA	200	1.06	1.50	206	293	704	1000
FAS2240-4	FAS2240-4 200GB SSD	4	87.3 lb (39.6 kg)	6.9 Bels	50 dBA	100	3.54	3.94	352	391	1202	1335
FAS2240-4	FAS2240-4 200GB SSD	4	87.3 lb (39.6 kg)	6.9 Bels	50 dBA	200	1.89	2.06	342	380	1168	1297
FAS2240-4	FAS2240-4 4x200GB SSD 20x3TB HDD	4	104.7 lb (47.5 kg)	6.9 Bels	50 dBA	100	5.06	5.94	503	589	1717	2011
FAS2240-4	FAS2240-4 4x200GB SSD 20x3TB HDD	4	104.7 lb (47.5 kg)	6.9 Bels	50 dBA	200	2.57	2.99	486	570	1659	1946
Embedded Drive Config (Half)												
F2240A-4-12X2TB-2 R6	FAS2240-4 2 PCM 12x2TB SATA	4	80.9 lb (36.7 kg)	6.9 Bels	50 dBA	100	3.63	4.53	355	443	1212	1512
F2240A-4-12X2TB-2 R6	FAS2240-4 2 PCM 12x2TB SATA	4	80.9 lb (36.7 kg)	6.9 Bels	50 dBA	200	1.78	2.22	348	435	1188	1485
Embedded Drive Config (Full)												
F2240A-4-24X1TB-2 R6	FAS2240-4 2 PCM no mezz 3TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	100	5.53	5.97	547	595	1867	2031
F2240A-4-24X1TB-2 R6	FAS2240-4 2 PCM no mezz 3TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	200	2.82	3.01	536	581	1830	1983
F2240A-4-24X1TB-2 R6	FAS2240-4 2 PCM no mezz 3TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	215	2.67	2.83	531	578	1813	1973
F2240A-4-24X2TB-2 R6	FAS2240-4 2 PCM no mezz 2TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	100	5.52	5.87	545	582	1861	1987
F2240A-4-24X2TB-2 R6	FAS2240-4 2 PCM no mezz 2TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	200	2.79	2.94	531	568	1813	1939
F2240A-4-24X2TB-2 R6	FAS2240-4 2 PCM no mezz 2TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	215	2.66	2.76	529	565	1806	1929

F2240A-4-24X3TB-2-R6	FAS2240-4 2 PCM no mezz 1TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	100	5.52	5.87	545	582	1861	1987
F2240A-4-24X3TB-2-R6	FAS2240-4 2 PCM no mezz 1TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	200	2.79	2.94	531	568	1813	1939
F2240A-4-24X3TB-2-R6	FAS2240-4 2 PCM no mezz 1TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	215	2.66	2.76	529	565	1806	1929
F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM 10GbE mezz 3TB	4	107.8 lb (48.9 kg)	6.9 Bels	50 dBA	100	5.65	6.00	562	597	1919	2038
F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM 10GbE mezz 3TB	4	107.8 lb (48.9 kg)	6.9 Bels	50 dBA	200	2.94	3.02	560	584	1912	1994
F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM 10GbE mezz 3TB	4	107.8 lb (48.9 kg)	6.9 Bels	50 dBA	215	2.80	2.82	561	578	1915	1973
F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM FC mezz 3TB	4	107.8 lb (48.9 kg)	6.9 Bels	50 dBA	100	5.74	6.02	571	599	1949	2045
F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM FC mezz 3TB	4	107.8 lb (48.9 kg)	6.9 Bels	50 dBA	200	2.91	3.03	554	586	1891	2000
F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM FC mezz 3TB	4	107.8 lb (48.9 kg)	6.9 Bels	50 dBA	215	2.76	2.84	551	581	1881	1983
F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM no mezz 3TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	100	5.53	5.97	547	595	1867	2031
F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM no mezz 3TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	200	2.82	3.01	536	581	1830	1983
F2240A-4-24X3TBN-2-R6	FAS2240-4 2 PCM no mezz 3TB	4	107.4 lb (48.7 kg)	6.9 Bels	50 dBA	215	2.67	2.83	531	578	1813	1973
F2240A-4-24X4TB-2-R6	FAS2240-4 2 PCM 4TB x 24	4	107.1 lb (48.6 kg)	6.9 Bels	50 dBA	100	5.49	5.95	544	593	1855	2022
F2240A-4-24X4TB-2-R6	FAS2240-4 2 PCM 4TB x 24	4	107.1 lb (48.6 kg)	6.9 Bels	50 dBA	200	2.58	2.99	490	573	1671	1954
F2240A-4-24X4TBN-2-R6	FAS2240-4 2 PCM 4TB x 24	4	107.1 lb (48.6 kg)	6.9 Bels	50 dBA	100	5.49	5.95	544	593	1855	2022
F2240A-4-24X4TBN-2-R6	FAS2240-4 2 PCM 4TB x 24	4	107.1 lb (48.6 kg)	6.9 Bels	50 dBA	200	2.58	2.99	490	573	1671	1954
Embedded Drive Config (Mixed)												
F2240A-4-40TB-24M-2-R6	FAS2240-4 2 PCM 20x2TB SATA, 4x200GB SSD	4	100.1 lb (45.4 kg)	6.9 Bels	50 dBA	100	4.91	5.81	481	569	1642	1942
F2240A-4-40TB-24M-2-R6	FAS2240-4 2 PCM 20x2TB SATA, 4x200GB SSD	4	100.1 lb (45.4 kg)	6.9 Bels	50 dBA	200	2.41	2.85	472	558	1611	1905
F2240A-4-80TB-24M-2-R6	FAS2240-4 2 PCM 20x4TB NL-SAS, 4x200GB SSD	4	9.0 lb (4.1 kg)	6.9 Bels	50 dBA	100	5.07	5.96	496	584	1693	1994
F2240A-4-80TB-24M-2-R6	FAS2240-4 2 PCM 20x4TB NL-SAS, 4x200GB SSD	4	9.0 lb (4.1 kg)	6.9 Bels	50 dBA	200	2.49	2.93	487	573	1663	1956

FAS3040 with 7-Mode 8.1.4

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
FAS3040												
FAS3040	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	-40	7.40	7.94	296	318	1011	1084
FAS3040	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	100	3.40	3.66	338	363	1152	1238
FAS3040	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	200	1.90	1.90	330	358	1127	1221
FAS3040	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	-40	8.21	9.74	328	389	1119	1328
FAS3040	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	100	3.63	4.21	355	418	1212	1425
FAS3040	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	200	2.07	2.21	350	417	1193	1422
FAS3040	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3040C	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	-40	7.40	7.94	296	318	1011	1084
FAS3040C	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	100	3.40	3.66	338	363	1152	1238
FAS3040C	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	200	1.90	1.90	330	358	1127	1221
FAS3040C	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	-40	8.21	9.74	328	389	1119	1328
FAS3040C	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	100	3.63	4.21	355	418	1212	1425
FAS3040C	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	200	2.07	2.21	350	417	1193	1422
FAS3040C	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	215						

FAS3040	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	-40	7.40	7.94	296	318	1011	1084
FAS3040	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	100	3.40	3.66	338	363	1152	1238
FAS3040	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	200	1.90	1.90	330	358	1127	1221
FAS3040	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	-40	8.21	9.74	328	389	1119	1328
FAS3040	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	100	3.63	4.21	355	418	1212	1425
FAS3040	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	200	2.07	2.21	350	417	1193	1422
FAS3040	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3040C	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	-40	7.40	7.94	296	318	1011	1084
FAS3040C	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	100	3.40	3.66	338	363	1152	1238
FAS3040C	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	200	1.90	1.90	330	358	1127	1221
FAS3040C	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	-40	8.21	9.74	328	389	1119	1328
FAS3040C	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	100	3.63	4.21	355	418	1212	1425
FAS3040C	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	200	2.07	2.21	350	417	1193	1422
FAS3040C	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3040	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	-40	7.40	7.94	296	318	1011	1084
FAS3040	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	100	3.40	3.66	338	363	1152	1238
FAS3040	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	200	1.90	1.90	330	358	1127	1221
FAS3040	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	-40	8.21	9.74	328	389	1119	1328
FAS3040	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	100	3.63	4.21	355	418	1212	1425
FAS3040	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	200	2.07	2.21	350	417	1193	1422
FAS3040	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3040C	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	-40	7.40	7.94	296	318	1011	1084
FAS3040C	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	100	3.40	3.66	338	363	1152	1238
FAS3040C	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	200	1.90	1.90	330	358	1127	1221
FAS3040C	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	-40	8.21	9.74	328	389	1119	1328
FAS3040C	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	100	3.63	4.21	355	418	1212	1425
FAS3040C	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	200	2.07	2.21	350	417	1193	1422
FAS3040C	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3040	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	-40	7.40	7.94	296	318	1011	1084
FAS3040	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	100	3.40	3.66	338	363	1152	1238
FAS3040	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	200	1.90	1.90	330	358	1127	1221
FAS3040	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	-40	8.21	9.74	328	389	1119	1328
FAS3040	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	100	3.63	4.21	355	418	1212	1425
FAS3040	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	200	2.07	2.21	350	417	1193	1422
FAS3040	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3040C	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	-40	7.40	7.94	296	318	1011	1084
FAS3040C	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	100	3.40	3.66	338	363	1152	1238
FAS3040C	FAS3040	3	68.0 lb (30.8 kg)		49 dBA	200	1.90	1.90	330	358	1127	1221
FAS3040C	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	-40	8.21	9.74	328	389	1119	1328
FAS3040C	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	100	3.63	4.21	355	418	1212	1425
FAS3040C	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	200	2.07	2.21	350	417	1193	1422
FAS3040C	FAS3040 1 PAM	3	68.0 lb (30.8 kg)		49 dBA	215						

FAS3070 with 7-Mode 8.1.4

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
FAS3070												
FAS3070	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	-40	9.40	10.57	376	423	1283	1442
FAS3070	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	100	3.70	4.03	361	400	1233	1365
FAS3070	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	200	2.10	2.06	355	387	1212	1320
FAS3070	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3070	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	-40	9.26	10.67	370	427	1263	1455
FAS3070	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	100	4.08	4.51	402	449	1369	1530
FAS3070	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	200	2.43	2.29	415	438	1414	1493
FAS3070	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3070C	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	-40	9.40	10.57	376	423	1283	1442
FAS3070C	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	100	3.70	4.03	361	400	1233	1365
FAS3070C	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	200	2.10	2.06	355	387	1212	1320
FAS3070C	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3070C	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	-40	9.26	10.67	370	427	1263	1455
FAS3070C	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	100	4.08	4.51	402	449	1369	1530
FAS3070C	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	200	2.43	2.29	415	438	1414	1493
FAS3070C	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3070	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	-40	9.40	10.57	376	423	1283	1442

FAS3070	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	100	3.70	4.03	361	400	1233	1365
FAS3070	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	200	2.10	2.06	355	387	1212	1320
FAS3070	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3070	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	-40	9.26	10.67	370	427	1263	1455
FAS3070	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	100	4.08	4.51	402	449	1369	1530
FAS3070	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	200	2.43	2.29	415	438	1414	1493
FAS3070	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3070C	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	-40	9.40	10.57	376	423	1283	1442
FAS3070C	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	100	3.70	4.03	361	400	1233	1365
FAS3070C	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	200	2.10	2.06	355	387	1212	1320
FAS3070C	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3070C	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	-40	9.26	10.67	370	427	1263	1455
FAS3070C	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	100	4.08	4.51	402	449	1369	1530
FAS3070C	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	200	2.43	2.29	415	438	1414	1493
FAS3070C	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3070	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	-40	9.40	10.57	376	423	1283	1442
FAS3070	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	100	3.70	4.03	361	400	1233	1365
FAS3070	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	200	2.10	2.06	355	387	1212	1320
FAS3070	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3070	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	-40	9.26	10.67	370	427	1263	1455
FAS3070	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	100	4.08	4.51	402	449	1369	1530
FAS3070	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	200	2.43	2.29	415	438	1414	1493
FAS3070	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3070C	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	-40	9.40	10.57	376	423	1283	1442
FAS3070C	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	100	3.70	4.03	361	400	1233	1365
FAS3070C	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	200	2.10	2.06	355	387	1212	1320
FAS3070C	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3070C	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	-40	9.26	10.67	370	427	1263	1455
FAS3070C	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	100	4.08	4.51	402	449	1369	1530
FAS3070C	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	200	2.43	2.29	415	438	1414	1493
FAS3070C	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3070	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	-40	9.40	10.57	376	423	1283	1442
FAS3070	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	100	3.70	4.03	361	400	1233	1365
FAS3070	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	200	2.10	2.06	355	387	1212	1320
FAS3070	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3070	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	-40	9.26	10.67	370	427	1263	1455
FAS3070	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	100	4.08	4.51	402	449	1369	1530
FAS3070	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	200	2.43	2.29	415	438	1414	1493
FAS3070	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3070C	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	-40	9.40	10.57	376	423	1283	1442
FAS3070C	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	100	3.70	4.03	361	400	1233	1365
FAS3070C	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	200	2.10	2.06	355	387	1212	1320
FAS3070C	FAS3070	3	68.0 lb (30.8 kg)		49 dBA	215						
FAS3070C	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	-40	9.26	10.67	370	427	1263	1455
FAS3070C	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	100	4.08	4.51	402	449	1369	1530
FAS3070C	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	200	2.43	2.29	415	438	1414	1493
FAS3070C	FAS3070 2 PAM	3	68.0 lb (30.8 kg)		49 dBA	215						

FAS3140 with 7-Mode 8.1.4

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
FAS3140												
FAS3140	FAS3140 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	-40	9.75	8.38	389	336	1327	1146
FAS3140	FAS3140 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	100	3.77	3.98	373	396	1272	1350
FAS3140	FAS3140 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	200	1.93	1.97	366	385	1249	1313
FAS3140	FAS3140 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	-40	10.05	8.55	401	343	1368	1170
FAS3140	FAS3140 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	100	3.86	4.06	383	402	1307	1372
FAS3140	FAS3140 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	200	1.98	2.01	379	396	1293	1352

FAS3140	FAS3140 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3140HA	FAS3140 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	-40	15.23	15.27	607	612	2071	2088
FAS3140HA	FAS3140 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	100	5.97	7.38	594	736	2026	2509
FAS3140HA	FAS3140 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	200	2.98	3.60	581	712	1981	2427
FAS3140HA	FAS3140 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3140HA	FAS3140 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	-40	16.03	15.91	639	638	2180	2177
FAS3140HA	FAS3140 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	100	6.58	7.69	655	769	2234	2625
FAS3140HA	FAS3140 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	200	3.15	3.75	630	745	2150	2543
FAS3140HA	FAS3140 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3140	FAS3140 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	-40	9.75	8.38	389	336	1327	1146
FAS3140	FAS3140 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	100	3.77	3.98	373	396	1272	1350
FAS3140	FAS3140 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	200	1.93	1.97	366	385	1249	1313
FAS3140	FAS3140 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	-40	10.05	8.55	401	343	1368	1170
FAS3140	FAS3140 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	100	3.86	4.06	383	402	1307	1372
FAS3140	FAS3140 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	200	1.98	2.01	379	396	1293	1352
FAS3140	FAS3140 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3140HA	FAS3140 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	-40	15.23	15.27	607	612	2071	2088
FAS3140HA	FAS3140 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	100	5.97	7.38	594	736	2026	2509
FAS3140HA	FAS3140 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	200	2.98	3.60	581	712	1981	2427
FAS3140HA	FAS3140 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3140HA	FAS3140 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	-40	16.03	15.91	639	638	2180	2177
FAS3140HA	FAS3140 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	100	6.58	7.69	655	769	2234	2625
FAS3140HA	FAS3140 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	200	3.15	3.75	630	745	2150	2543
FAS3140HA	FAS3140 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3140	FAS3140 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	-40	9.75	8.38	389	336	1327	1146
FAS3140	FAS3140 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	100	3.77	3.98	373	396	1272	1350
FAS3140	FAS3140 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	200	1.93	1.97	366	385	1249	1313
FAS3140	FAS3140 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	-40	10.05	8.55	401	343	1368	1170
FAS3140	FAS3140 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	100	3.86	4.06	383	402	1307	1372
FAS3140	FAS3140 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	200	1.98	2.01	379	396	1293	1352
FAS3140	FAS3140 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3140HA	FAS3140 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	-40	15.23	15.27	607	612	2071	2088
FAS3140HA	FAS3140 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	100	5.97	7.38	594	736	2026	2509
FAS3140HA	FAS3140 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	200	2.98	3.60	581	712	1981	2427

FAS3140HA	FAS3140 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3140HA	FAS3140 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	-40	16.03	15.91	639	638	2180	2177
FAS3140HA	FAS3140 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	100	6.58	7.69	655	769	2234	2625
FAS3140HA	FAS3140 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	200	3.15	3.75	630	745	2150	2543
FAS3140HA	FAS3140 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3140	FAS3140 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	-40	9.75	8.38	389	336	1327	1146
FAS3140	FAS3140 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	100	3.77	3.98	373	396	1272	1350
FAS3140	FAS3140 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	200	1.93	1.97	366	385	1249	1313
FAS3140	FAS3140 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	-40	10.05	8.55	401	343	1368	1170
FAS3140	FAS3140 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	100	3.86	4.06	383	402	1307	1372
FAS3140	FAS3140 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	200	1.98	2.01	379	396	1293	1352
FAS3140	FAS3140 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3140HA	FAS3140 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	-40	15.23	15.27	607	612	2071	2088
FAS3140HA	FAS3140 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	100	5.97	7.38	594	736	2026	2509
FAS3140HA	FAS3140 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	200	2.98	3.60	581	712	1981	2427
FAS3140HA	FAS3140 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3140HA	FAS3140 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	-40	16.03	15.91	639	638	2180	2177
FAS3140HA	FAS3140 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	100	6.58	7.69	655	769	2234	2625
FAS3140HA	FAS3140 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	200	3.15	3.75	630	745	2150	2543
FAS3140HA	FAS3140 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	215						

FAS3160 with 7-Mode 8.1.4

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
FAS3160												
FAS3160	FAS3160 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	-40	11.79	10.07	470	404	1604	1378
FAS3160	FAS3160 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	100	4.50	4.80	440	476	1502	1625
FAS3160	FAS3160 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	200	2.32	2.38	450	460	1535	1570
FAS3160	FAS3160 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3160	FAS3160 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	-40	12.09	10.33	482	414	1645	1412
FAS3160	FAS3160 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	100	4.62	4.90	453	487	1546	1662
FAS3160	FAS3160 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	200	2.38	2.44	460	478	1570	1631
FAS3160	FAS3160 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3160HA	FAS3160 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	-40	16.15	18.78	646	752	2204	2566

FAS3160HA	FAS3160 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	100	7.76	9.25	760	916	2594	3126
FAS3160HA	FAS3160 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	200	3.80	4.40	755	860	2577	2935
FAS3160HA	FAS3160 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3160HA	FAS3160 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	-40	18.78	19.24	751	770	2563	2627
FAS3160HA	FAS3160 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	100	8.17	9.65	809	959	2761	3273
FAS3160HA	FAS3160 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	200	3.90	4.51	775	890	2645	3037
FAS3160HA	FAS3160 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3160	FAS3160 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	-40	11.79	10.07	470	404	1604	1378
FAS3160	FAS3160 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	100	4.50	4.80	440	476	1502	1625
FAS3160	FAS3160 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	200	2.32	2.38	450	460	1535	1570
FAS3160	FAS3160 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3160	FAS3160 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	-40	12.09	10.33	482	414	1645	1412
FAS3160	FAS3160 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	100	4.62	4.90	453	487	1546	1662
FAS3160	FAS3160 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	200	2.38	2.44	460	478	1570	1631
FAS3160	FAS3160 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3160HA	FAS3160 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	-40	16.15	18.78	646	752	2204	2566
FAS3160HA	FAS3160 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	100	7.76	9.25	760	916	2594	3126
FAS3160HA	FAS3160 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	200	3.80	4.40	755	860	2577	2935
FAS3160HA	FAS3160 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3160HA	FAS3160 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	-40	18.78	19.24	751	770	2563	2627
FAS3160HA	FAS3160 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	100	8.17	9.65	809	959	2761	3273
FAS3160HA	FAS3160 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	200	3.90	4.51	775	890	2645	3037
FAS3160HA	FAS3160 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3160	FAS3160 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	-40	11.79	10.07	470	404	1604	1378
FAS3160	FAS3160 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	100	4.50	4.80	440	476	1502	1625
FAS3160	FAS3160 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	200	2.32	2.38	450	460	1535	1570
FAS3160	FAS3160 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3160	FAS3160 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	-40	12.09	10.33	482	414	1645	1412
FAS3160	FAS3160 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	100	4.62	4.90	453	487	1546	1662
FAS3160	FAS3160 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	200	2.38	2.44	460	478	1570	1631
FAS3160	FAS3160 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3160HA	FAS3160 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	-40	16.15	18.78	646	752	2204	2566
FAS3160HA	FAS3160 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	100	7.76	9.25	760	916	2594	3126
FAS3160HA	FAS3160 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	200	3.80	4.40	755	860	2577	2935

FAS3160HA	FAS3160 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3160HA	FAS3160 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	-40	18.78	19.24	751	770	2563	2627
FAS3160HA	FAS3160 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	100	8.17	9.65	809	959	2761	3273
FAS3160HA	FAS3160 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	200	3.90	4.51	775	890	2645	3037
FAS3160HA	FAS3160 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3160	FAS3160 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	-40	11.79	10.07	470	404	1604	1378
FAS3160	FAS3160 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	100	4.50	4.80	440	476	1502	1625
FAS3160	FAS3160 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	200	2.32	2.38	450	460	1535	1570
FAS3160	FAS3160 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3160	FAS3160 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	-40	12.09	10.33	482	414	1645	1412
FAS3160	FAS3160 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	100	4.62	4.90	453	487	1546	1662
FAS3160	FAS3160 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	200	2.38	2.44	460	478	1570	1631
FAS3160	FAS3160 1 Controller 2 PAM	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3160HA	FAS3160 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	-40	16.15	18.78	646	752	2204	2566
FAS3160HA	FAS3160 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	100	7.76	9.25	760	916	2594	3126
FAS3160HA	FAS3160 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	200	3.80	4.40	755	860	2577	2935
FAS3160HA	FAS3160 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3160HA	FAS3160 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	-40	18.78	19.24	751	770	2563	2627
FAS3160HA	FAS3160 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	100	8.17	9.65	809	959	2761	3273
FAS3160HA	FAS3160 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	200	3.90	4.51	775	890	2645	3037
FAS3160HA	FAS3160 2 Controller 4 PAM	6	121.0 lb (54.9 kg)		61 dBA	215						

FAS3170 with 7-Mode 8.1.4

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
FAS3170												
FAS3170	FAS3170 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	-40	12.18	10.75	486	430	1658	1467
FAS3170	FAS3170 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	100	4.74	5.07	470	505	1602	1722
FAS3170	FAS3170 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	200	2.38	2.52	459	493	1564	1680
FAS3170	FAS3170 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3170	FAS3170 1 Controller 4 PAM	6	102.0 lb (46.3 kg)		61 dBA	-40	12.82	11.20	512	448	1747	1528
FAS3170	FAS3170 1 Controller 4 PAM	6	102.0 lb (46.3 kg)		61 dBA	100	4.98	5.27	494	525	1685	1790
FAS3170	FAS3170 1 Controller 4 PAM	6	102.0 lb (46.3 kg)		61 dBA	200	2.50	2.62	482	513	1644	1749
FAS3170	FAS3170 1 Controller 4 PAM	6	102.0 lb (46.3 kg)		61 dBA	215						

FAS3170HA	FAS3170 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	-40	20.68	20.00	827	800	2822	2730
FAS3170HA	FAS3170 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	100	8.14	9.74	810	969	2761	3305
FAS3170HA	FAS3170 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	200	4.03	4.69	788	930	2686	3170
FAS3170HA	FAS3170 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3170HA	FAS3170 2 Controller 8 PAM	6	121.0 lb (54.9 kg)		61 dBA	-40	22.77	21.67	911	867	3109	2958
FAS3170HA	FAS3170 2 Controller 8 PAM	6	121.0 lb (54.9 kg)		61 dBA	100	8.98	10.54	894	1048	3049	3574
FAS3170HA	FAS3170 2 Controller 8 PAM	6	121.0 lb (54.9 kg)		61 dBA	200	4.44	5.08	868	1006	2960	3430
FAS3170HA	FAS3170 2 Controller 8 PAM	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3170	FAS3170 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	-40	12.18	10.75	486	430	1658	1467
FAS3170	FAS3170 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	100	4.74	5.07	470	505	1602	1722
FAS3170	FAS3170 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	200	2.38	2.52	459	493	1564	1680
FAS3170	FAS3170 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3170	FAS3170 1 Controller 4 PAM	6	102.0 lb (46.3 kg)		61 dBA	-40	12.82	11.20	512	448	1747	1528
FAS3170	FAS3170 1 Controller 4 PAM	6	102.0 lb (46.3 kg)		61 dBA	100	4.98	5.27	494	525	1685	1790
FAS3170	FAS3170 1 Controller 4 PAM	6	102.0 lb (46.3 kg)		61 dBA	200	2.50	2.62	482	513	1644	1749
FAS3170	FAS3170 1 Controller 4 PAM	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3170HA	FAS3170 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	-40	20.68	20.00	827	800	2822	2730
FAS3170HA	FAS3170 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	100	8.14	9.74	810	969	2761	3305
FAS3170HA	FAS3170 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	200	4.03	4.69	788	930	2686	3170
FAS3170HA	FAS3170 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3170HA	FAS3170 2 Controller 8 PAM	6	121.0 lb (54.9 kg)		61 dBA	-40	22.77	21.67	911	867	3109	2958
FAS3170HA	FAS3170 2 Controller 8 PAM	6	121.0 lb (54.9 kg)		61 dBA	100	8.98	10.54	894	1048	3049	3574
FAS3170HA	FAS3170 2 Controller 8 PAM	6	121.0 lb (54.9 kg)		61 dBA	200	4.44	5.08	868	1006	2960	3430
FAS3170HA	FAS3170 2 Controller 8 PAM	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3170	FAS3170 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	-40	12.18	10.75	486	430	1658	1467
FAS3170	FAS3170 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	100	4.74	5.07	470	505	1602	1722
FAS3170	FAS3170 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	200	2.38	2.52	459	493	1564	1680
FAS3170	FAS3170 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3170	FAS3170 1 Controller 4 PAM	6	102.0 lb (46.3 kg)		61 dBA	-40	12.82	11.20	512	448	1747	1528
FAS3170	FAS3170 1 Controller 4 PAM	6	102.0 lb (46.3 kg)		61 dBA	100	4.98	5.27	494	525	1685	1790
FAS3170	FAS3170 1 Controller 4 PAM	6	102.0 lb (46.3 kg)		61 dBA	200	2.50	2.62	482	513	1644	1749
FAS3170	FAS3170 1 Controller 4 PAM	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3170HA	FAS3170 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	-40	20.68	20.00	827	800	2822	2730
FAS3170HA	FAS3170 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	100	8.14	9.74	810	969	2761	3305

FAS3170HA	FAS3170 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	200	4.03	4.69	788	930	2686	3170
FAS3170HA	FAS3170 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3170HA	FAS3170 2 Controller 8 PAM	6	121.0 lb (54.9 kg)		61 dBA	-40	22.77	21.67	911	867	3109	2958
FAS3170HA	FAS3170 2 Controller 8 PAM	6	121.0 lb (54.9 kg)		61 dBA	100	8.98	10.54	894	1048	3049	3574
FAS3170HA	FAS3170 2 Controller 8 PAM	6	121.0 lb (54.9 kg)		61 dBA	200	4.44	5.08	868	1006	2960	3430
FAS3170HA	FAS3170 2 Controller 8 PAM	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3170	FAS3170 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	-40	12.18	10.75	486	430	1658	1467
FAS3170	FAS3170 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	100	4.74	5.07	470	505	1602	1722
FAS3170	FAS3170 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	200	2.38	2.52	459	493	1564	1680
FAS3170	FAS3170 1 Controller	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3170	FAS3170 1 Controller 4 PAM	6	102.0 lb (46.3 kg)		61 dBA	-40	12.82	11.20	512	448	1747	1528
FAS3170	FAS3170 1 Controller 4 PAM	6	102.0 lb (46.3 kg)		61 dBA	100	4.98	5.27	494	525	1685	1790
FAS3170	FAS3170 1 Controller 4 PAM	6	102.0 lb (46.3 kg)		61 dBA	200	2.50	2.62	482	513	1644	1749
FAS3170	FAS3170 1 Controller 4 PAM	6	102.0 lb (46.3 kg)		61 dBA	215						
FAS3170HA	FAS3170 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	-40	20.68	20.00	827	800	2822	2730
FAS3170HA	FAS3170 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	100	8.14	9.74	810	969	2761	3305
FAS3170HA	FAS3170 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	200	4.03	4.69	788	930	2686	3170
FAS3170HA	FAS3170 2 Controller	6	121.0 lb (54.9 kg)		61 dBA	215						
FAS3170HA	FAS3170 2 Controller 8 PAM	6	121.0 lb (54.9 kg)		61 dBA	-40	22.77	21.67	911	867	3109	2958
FAS3170HA	FAS3170 2 Controller 8 PAM	6	121.0 lb (54.9 kg)		61 dBA	100	8.98	10.54	894	1048	3049	3574
FAS3170HA	FAS3170 2 Controller 8 PAM	6	121.0 lb (54.9 kg)		61 dBA	200	4.44	5.08	868	1006	2960	3430
FAS3170HA	FAS3170 2 Controller 8 PAM	6	121.0 lb (54.9 kg)		61 dBA	215						

FAS3210 with 7-Mode 8.1.4

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
FAS3210												
FAS3210	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	-40	7.30	10.45	292	418	997	1427
FAS3210	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	100	3.03	4.22	299	421	1021	1437
FAS3210	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	200	1.66	2.11	293	411	1000	1403
FAS3210	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	215	1.60	1.97	292	411	997	1403
FAS3210A	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	-40	7.30	10.45	292	418	997	1427
FAS3210A	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	100	3.03	4.22	299	421	1021	1437
FAS3210A	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	200	1.66	2.11	293	411	1000	1403

FAS3210A	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	215	1.60	1.97	292	411	997	1403
FAS3210A	FAS3210 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	11.60	15.80	464	632	1584	2157
FAS3210A	FAS3210 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	4.64	6.27	462	626	1577	2137
FAS3210A	FAS3210 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.38	3.11	450	612	1536	2089
FAS3210A	FAS3210 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.25	2.91	450	610	1536	2082
FAS3210	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	-40	7.30	10.45	292	418	997	1427
FAS3210	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	100	3.03	4.22	299	421	1021	1437
FAS3210	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	200	1.66	2.11	293	411	1000	1403
FAS3210	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	215	1.60	1.97	292	411	997	1403
FAS3210A	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	-40	7.30	10.45	292	418	997	1427
FAS3210A	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	100	3.03	4.22	299	421	1021	1437
FAS3210A	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	200	1.66	2.11	293	411	1000	1403
FAS3210A	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	215	1.60	1.97	292	411	997	1403
FAS3210A	FAS3210 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	11.60	15.80	464	632	1584	2157
FAS3210A	FAS3210 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	4.64	6.27	462	626	1577	2137
FAS3210A	FAS3210 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.38	3.11	450	612	1536	2089
FAS3210A	FAS3210 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.25	2.91	450	610	1536	2082
FAS3210	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	-40	7.30	10.45	292	418	997	1427
FAS3210	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	100	3.03	4.22	299	421	1021	1437
FAS3210	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	200	1.66	2.11	293	411	1000	1403
FAS3210	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	215	1.60	1.97	292	411	997	1403
FAS3210A	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	-40	7.30	10.45	292	418	997	1427
FAS3210A	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	100	3.03	4.22	299	421	1021	1437
FAS3210A	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	200	1.66	2.11	293	411	1000	1403
FAS3210A	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	215	1.60	1.97	292	411	997	1403
FAS3210A	FAS3210 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	11.60	15.80	464	632	1584	2157
FAS3210A	FAS3210 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	4.64	6.27	462	626	1577	2137
FAS3210A	FAS3210 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.38	3.11	450	612	1536	2089

FAS3210A	FAS3210 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.25	2.91	450	610	1536	2082
FAS3210	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	-40	7.30	10.45	292	418	997	1427
FAS3210	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	100	3.03	4.22	299	421	1021	1437
FAS3210	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	200	1.66	2.11	293	411	1000	1403
FAS3210	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	215	1.60	1.97	292	411	997	1403
FAS3210A	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	-40	7.30	10.45	292	418	997	1427
FAS3210A	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	100	3.03	4.22	299	421	1021	1437
FAS3210A	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	200	1.66	2.11	293	411	1000	1403
FAS3210A	FAS3210 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	215	1.60	1.97	292	411	997	1403
FAS3210A	FAS3210 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	11.60	15.80	464	632	1584	2157
FAS3210A	FAS3210 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	4.64	6.27	462	626	1577	2137
FAS3210A	FAS3210 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.38	3.11	450	612	1536	2089
FAS3210A	FAS3210 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.25	2.91	450	610	1536	2082

FAS3220 with 7-Mode 8.1.4

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
FAS3220												
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	-40	7.55	10.70	302	428	997	1427
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	100	3.09	4.31	309	431	1021	1437
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	200	1.73	2.41	303	421	1000	1403
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	215	1.66	2.31	302	421	997	1403
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	11.80	15.90	472	636	1611	2171
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	4.70	6.37	466	635	1591	2168
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.41	3.15	456	620	1557	2116
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.27	2.94	455	618	1553	2110
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663

FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	-40	7.55	10.70	302	428	997	1427
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	100	3.09	4.31	309	431	1021	1437
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	200	1.73	2.41	303	421	1000	1403
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	215	1.66	2.31	302	421	997	1403
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	11.80	15.90	472	636	1611	2171
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	4.70	6.37	466	635	1591	2168
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.41	3.15	456	620	1557	2116
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.27	2.94	455	618	1553	2110
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	-40	7.55	10.70	302	428	997	1427
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	100	3.09	4.31	309	431	1021	1437
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	200	1.73	2.41	303	421	1000	1403
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	215	1.66	2.31	302	421	997	1403
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	11.80	15.90	472	636	1611	2171
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	4.70	6.37	466	635	1591	2168
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.41	3.15	456	620	1557	2116
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.27	2.94	455	618	1553	2110
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707

FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	-40	7.55	10.70	302	428	997	1427
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	100	3.09	4.31	309	431	1021	1437
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	200	1.73	2.41	303	421	1000	1403
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	215	1.66	2.31	302	421	997	1403
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	11.80	15.90	472	636	1611	2171
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	4.70	6.37	466	635	1591	2168
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.41	3.15	456	620	1557	2116
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.27	2.94	455	618	1553	2110
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	-40	7.55	10.70	302	428	997	1427
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	100	3.09	4.31	309	431	1021	1437
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	200	1.73	2.41	303	421	1000	1403
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	215	1.66	2.31	302	421	997	1403
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	11.80	15.90	472	636	1611	2171
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	4.70	6.37	466	635	1591	2168
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.41	3.15	456	620	1557	2116
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.27	2.94	455	618	1553	2110

FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	-40	7.55	10.70	302	428	997	1427
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	100	3.09	4.31	309	431	1021	1437
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	200	1.73	2.41	303	421	1000	1403
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	215	1.66	2.31	302	421	997	1403
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	11.80	15.90	472	636	1611	2171
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	4.70	6.37	466	635	1591	2168
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.41	3.15	456	620	1557	2116
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.27	2.94	455	618	1553	2110
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	-40	7.55	10.70	302	428	997	1427
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	100	3.09	4.31	309	431	1021	1437
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	200	1.73	2.41	303	421	1000	1403
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	215	1.66	2.31	302	421	997	1403
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	11.80	15.90	472	636	1611	2171
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	4.70	6.37	466	635	1591	2168
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.41	3.15	456	620	1557	2116

FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.27	2.94	455	618	1553	2110
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	-40	7.55	10.70	302	428	997	1427
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	100	3.09	4.31	309	431	1021	1437
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	200	1.73	2.41	303	421	1000	1403
FAS3220	FAS3220 Controller-Blank	3	68.3 lb (31.0 kg)	7.1 Bels	55 dBA	215	1.66	2.31	302	421	997	1403
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	11.80	15.90	472	636	1611	2171
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	4.70	6.37	466	635	1591	2168
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.41	3.15	456	620	1557	2116
FAS3220A	FAS3220 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.27	2.94	455	618	1553	2110
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3220AE	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3220E	FAS3220 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663

FAS3240 with 7-Mode 8.1.4

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
FAS3240												
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	11.80	15.90	472	636	1611	2171

FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	4.70	6.37	466	635	1591	2168
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.41	3.15	456	620	1557	2116
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.27	2.94	455	618	1553	2110
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	11.80	15.90	472	636	1611	2171
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	4.70	6.37	466	635	1591	2168
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.41	3.15	456	620	1557	2116
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.27	2.94	455	618	1553	2110
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	11.80	15.90	472	636	1611	2171
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	4.70	6.37	466	635	1591	2168
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.41	3.15	456	620	1557	2116
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.27	2.94	455	618	1553	2110
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707

FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	11.80	15.90	472	636	1611	2171
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	4.70	6.37	466	635	1591	2168
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.41	3.15	456	620	1557	2116
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.27	2.94	455	618	1553	2110
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	11.80	15.90	472	636	1611	2171
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	4.70	6.37	466	635	1591	2168
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.41	3.15	456	620	1557	2116
FAS3240A	FAS3240 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.27	2.94	455	618	1553	2110
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3240AE	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	9.20	12.55	368	502	1256	1714
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	3.71	5.01	368	500	1256	1707
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	1.96	2.50	360	478	1229	1632
FAS3240E	FAS3240 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	1.87	2.33	359	487	1226	1663

FAS3250 with 7-Mode 8.1.4

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
FAS3250												
FAS3250AE	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3250AE	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867
FAS3250AE	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3250AE	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813
FAS3250E	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3250E	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867
FAS3250E	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3250E	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813
FAS3250AE	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3250AE	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867
FAS3250AE	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3250AE	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813
FAS3250E	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3250E	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867
FAS3250E	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3250E	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813
FAS3250AE	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3250AE	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867
FAS3250AE	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3250AE	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813
FAS3250E	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3250E	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867
FAS3250E	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3250E	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813
FAS3250AE	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3250AE	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867
FAS3250AE	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3250AE	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813
FAS3250E	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3250E	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867

FAS3250E	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3250E	FAS3250 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813

FAS3270 with 7-Mode 8.1.4

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
FAS3270												
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	13.90	18.20	556	728	1898	2485
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	5.56	7.28	552	728	1884	2485
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.83	3.58	541	707	1847	2413
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.65	3.34	540	706	1843	2410
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	13.90	18.20	556	728	1898	2485
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	5.56	7.28	552	728	1884	2485
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.83	3.58	541	707	1847	2413
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.65	3.34	540	706	1843	2410
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	13.90	18.20	556	728	1898	2485
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	5.56	7.28	552	728	1884	2485
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.83	3.58	541	707	1847	2413
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.65	3.34	540	706	1843	2410
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	13.90	18.20	556	728	1898	2485

FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	5.56	7.28	552	728	1884	2485
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.83	3.58	541	707	1847	2413
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.65	3.34	540	706	1843	2410
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	13.90	18.20	556	728	1898	2485
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	5.56	7.28	552	728	1884	2485
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.83	3.58	541	707	1847	2413
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.65	3.34	540	706	1843	2410
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	13.90	18.20	556	728	1898	2485
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	5.56	7.28	552	728	1884	2485
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.83	3.58	541	707	1847	2413
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.65	3.34	540	706	1843	2410
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	13.90	18.20	556	728	1898	2485

FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	5.56	7.28	552	728	1884	2485
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.83	3.58	541	707	1847	2413
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.65	3.34	540	706	1843	2410
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	13.90	18.20	556	728	1898	2485
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	5.56	7.28	552	728	1884	2485
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.83	3.58	541	707	1847	2413
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.65	3.34	540	706	1843	2410
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	13.90	18.20	556	728	1898	2485
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	5.56	7.28	552	728	1884	2485
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.83	3.58	541	707	1847	2413
FAS3270A	FAS3270 Controller-Controller	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.65	3.34	540	706	1843	2410
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	-40	13.90	18.20	556	728	1898	2485
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	100	5.56	7.28	552	728	1884	2485
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	200	2.83	3.58	541	707	1847	2413
FAS3270A	FAS3270 Controller-Controller (1)	3	79.4 lb (36.0 kg)	7.1 Bels	55 dBA	215	2.65	3.34	540	706	1843	2410
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3270AE	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813

FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	-40	10.10	13.55	404	542	1379	1850
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	100	4.14	5.47	408	547	1393	1867
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	200	2.13	2.73	398	533	1359	1820
FAS3270E	FAS3270 Controller-IOXM	3	75.0 lb (34.0 kg)	7.1 Bels	55 dBA	215	2.03	2.54	398	531	1359	1813

FAS6030 with 7-Mode 8.1.4

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
FAS6030												
FAS6030	FAS6030	6	121.9 lb (55.3 kg)		57 dBA	100	5.74	9.75	557	968	1898	3301
FAS6030	FAS6030	6	121.9 lb (55.3 kg)		57 dBA	200	3.14	4.87	541	934	1845	3185
FAS6030	FAS6030	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6030	FAS6030 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	6.05	10.15	585	1009	1996	3440
FAS6030	FAS6030 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	3.29	5.06	578	969	1969	3305
FAS6030	FAS6030 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6030	FAS6030	6	121.9 lb (55.3 kg)		57 dBA	100	5.74	9.75	557	968	1898	3301
FAS6030	FAS6030	6	121.9 lb (55.3 kg)		57 dBA	200	3.14	4.87	541	934	1845	3185
FAS6030	FAS6030	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6030	FAS6030 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	6.05	10.15	585	1009	1996	3440
FAS6030	FAS6030 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	3.29	5.06	578	969	1969	3305
FAS6030	FAS6030 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6030	FAS6030	6	121.9 lb (55.3 kg)		57 dBA	100	5.74	9.75	557	968	1898	3301
FAS6030	FAS6030	6	121.9 lb (55.3 kg)		57 dBA	200	3.14	4.87	541	934	1845	3185
FAS6030	FAS6030	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6030	FAS6030 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	6.05	10.15	585	1009	1996	3440
FAS6030	FAS6030 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	3.29	5.06	578	969	1969	3305
FAS6030	FAS6030 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6030	FAS6030	6	121.9 lb (55.3 kg)		57 dBA	100	5.74	9.75	557	968	1898	3301
FAS6030	FAS6030	6	121.9 lb (55.3 kg)		57 dBA	200	3.14	4.87	541	934	1845	3185
FAS6030	FAS6030	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6030	FAS6030 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	6.05	10.15	585	1009	1996	3440
FAS6030	FAS6030 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	3.29	5.06	578	969	1969	3305
FAS6030	FAS6030 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						

FAS6040 with 7-Mode 8.1.4

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
FAS6040												
FAS6040	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	100	5.74	9.75	557	968	1898	3301
FAS6040	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	200	3.14	4.87	541	934	1845	3185
FAS6040	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6040	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	6.05	10.15	585	1009	1996	3440
FAS6040	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	3.29	5.06	578	969	1969	3305
FAS6040	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6040HA	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	100	5.74	9.75	557	968	1898	3301
FAS6040HA	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	200	3.14	4.87	541	934	1845	3185
FAS6040HA	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6040HA	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	6.05	10.15	585	1009	1996	3440
FAS6040HA	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	3.29	5.06	578	969	1969	3305
FAS6040HA	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6040	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	100	5.74	9.75	557	968	1898	3301
FAS6040	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	200	3.14	4.87	541	934	1845	3185
FAS6040	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6040	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	6.05	10.15	585	1009	1996	3440
FAS6040	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	3.29	5.06	578	969	1969	3305

FAS6040	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6040HA	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	100	5.74	9.75	557	968	1898	3301
FAS6040HA	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	200	3.14	4.87	541	934	1845	3185
FAS6040HA	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6040HA	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	6.05	10.15	585	1009	1996	3440
FAS6040HA	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	3.29	5.06	578	969	1969	3305
FAS6040HA	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6040	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	100	5.74	9.75	557	968	1898	3301
FAS6040	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	200	3.14	4.87	541	934	1845	3185
FAS6040	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6040	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	6.05	10.15	585	1009	1996	3440
FAS6040	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	3.29	5.06	578	969	1969	3305
FAS6040	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6040HA	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	100	5.74	9.75	557	968	1898	3301
FAS6040HA	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	200	3.14	4.87	541	934	1845	3185
FAS6040HA	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6040HA	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	6.05	10.15	585	1009	1996	3440
FAS6040HA	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	3.29	5.06	578	969	1969	3305
FAS6040HA	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6040	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	100	5.74	9.75	557	968	1898	3301
FAS6040	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	200	3.14	4.87	541	934	1845	3185
FAS6040	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6040	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	6.05	10.15	585	1009	1996	3440
FAS6040	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	3.29	5.06	578	969	1969	3305
FAS6040	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6040HA	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	100	5.74	9.75	557	968	1898	3301
FAS6040HA	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	200	3.14	4.87	541	934	1845	3185
FAS6040HA	FAS6040	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6040HA	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	6.05	10.15	585	1009	1996	3440
FAS6040HA	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	3.29	5.06	578	969	1969	3305
FAS6040HA	FAS6040 4 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						

FAS6070 with 7-Mode 8.1.4

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
FAS6070												
FAS6070	FAS6070	6	121.9 lb (55.3 kg)		57 dBA	100	7.25	11.68	704	1162	2401	3961
FAS6070	FAS6070	6	121.9 lb (55.3 kg)		57 dBA	200	3.91	5.76	693	1115	2363	3804
FAS6070	FAS6070	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6070	FAS6070 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	7.70	12.11	752	1203	2566	4104
FAS6070	FAS6070 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	4.14	5.97	736	1158	2509	3950
FAS6070	FAS6070 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6070	FAS6070	6	121.9 lb (55.3 kg)		57 dBA	100	7.25	11.68	704	1162	2401	3961
FAS6070	FAS6070	6	121.9 lb (55.3 kg)		57 dBA	200	3.91	5.76	693	1115	2363	3804
FAS6070	FAS6070	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6070	FAS6070 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	7.70	12.11	752	1203	2566	4104
FAS6070	FAS6070 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	4.14	5.97	736	1158	2509	3950
FAS6070	FAS6070 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6070	FAS6070	6	121.9 lb (55.3 kg)		57 dBA	100	7.25	11.68	704	1162	2401	3961
FAS6070	FAS6070	6	121.9 lb (55.3 kg)		57 dBA	200	3.91	5.76	693	1115	2363	3804
FAS6070	FAS6070	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6070	FAS6070 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	7.70	12.11	752	1203	2566	4104
FAS6070	FAS6070 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	4.14	5.97	736	1158	2509	3950
FAS6070	FAS6070 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6070	FAS6070	6	121.9 lb (55.3 kg)		57 dBA	100	7.25	11.68	704	1162	2401	3961
FAS6070	FAS6070	6	121.9 lb (55.3 kg)		57 dBA	200	3.91	5.76	693	1115	2363	3804
FAS6070	FAS6070	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6070	FAS6070 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	7.70	12.11	752	1203	2566	4104
FAS6070	FAS6070 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	4.14	5.97	736	1158	2509	3950
FAS6070	FAS6070 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						

FAS6080 with 7-Mode 8.1.4

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
FAS6080												
FAS6080	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	100	7.25	11.68	704	1162	2401	3961
FAS6080	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	200	3.91	5.76	693	1115	2363	3804
FAS6080	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6080	FAS6080 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	7.70	12.11	752	1203	2566	4104
FAS6080	FAS6080 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	4.14	5.97	736	1158	2509	3950
FAS6080	FAS6080 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6080HA	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	100	7.25	11.68	704	1162	2401	3961
FAS6080HA	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	200	3.91	5.76	693	1115	2363	3804
FAS6080HA	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6080	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	100	7.25	11.68	704	1162	2401	3961
FAS6080	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	200	3.91	5.76	693	1115	2363	3804
FAS6080	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6080	FAS6080 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	7.70	12.11	752	1203	2566	4104
FAS6080	FAS6080 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	4.14	5.97	736	1158	2509	3950
FAS6080	FAS6080 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6080HA	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	100	7.25	11.68	704	1162	2401	3961
FAS6080HA	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	200	3.91	5.76	693	1115	2363	3804
FAS6080HA	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6080	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	100	7.25	11.68	704	1162	2401	3961
FAS6080	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	200	3.91	5.76	693	1115	2363	3804
FAS6080	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6080	FAS6080 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	7.70	12.11	752	1203	2566	4104
FAS6080	FAS6080 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	4.14	5.97	736	1158	2509	3950
FAS6080	FAS6080 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6080HA	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	100	7.25	11.68	704	1162	2401	3961
FAS6080HA	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	200	3.91	5.76	693	1115	2363	3804
FAS6080HA	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6080	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	100	7.25	11.68	704	1162	2401	3961
FAS6080	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	200	3.91	5.76	693	1115	2363	3804
FAS6080	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6080	FAS6080 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	100	7.70	12.11	752	1203	2566	4104
FAS6080	FAS6080 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	200	4.14	5.97	736	1158	2509	3950
FAS6080	FAS6080 5 PAM	6	121.9 lb (55.3 kg)		57 dBA	215						
FAS6080HA	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	100	7.25	11.68	704	1162	2401	3961
FAS6080HA	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	200	3.91	5.76	693	1115	2363	3804
FAS6080HA	FAS6080	6	121.9 lb (55.3 kg)		57 dBA	215						

FAS6210 with 7-Mode 8.1.4

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
FAS6210												
FAS6210	FAS6210 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	100	4.50	5.00	430	490	1468	1673
FAS6210	FAS6210 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	200	2.30	2.50	415	480	1417	1639
FAS6210	FAS6210 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	215	2.10	2.40	415	475	1417	1622
FAS6210A	FAS6210 Controller-Controller	6	128.5 lb (58.3 kg)	7.5 Bels	61 dBA	200	4.10	4.80	760	930	2594	3174
FAS6210A	FAS6210 Controller-Controller	6	128.5 lb (58.3 kg)	7.5 Bels	61 dBA	215	3.80	4.50	770	930	2628	3174
FAS6210	FAS6210 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	100	4.50	5.00	430	490	1468	1673
FAS6210	FAS6210 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	200	2.30	2.50	415	480	1417	1639
FAS6210	FAS6210 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	215	2.10	2.40	415	475	1417	1622

FAS6210A	FAS6210 Controller-Controller	6	128.5 lb (58.3 kg)	7.5 Bels	61 dBA	200	4.10	4.80	760	930	2594	3174
FAS6210A	FAS6210 Controller-Controller	6	128.5 lb (58.3 kg)	7.5 Bels	61 dBA	215	3.80	4.50	770	930	2628	3174
FAS6210	FAS6210 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	100	4.50	5.00	430	490	1468	1673
FAS6210	FAS6210 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	200	2.30	2.50	415	480	1417	1639
FAS6210	FAS6210 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	215	2.10	2.40	415	475	1417	1622
FAS6210A	FAS6210 Controller-Controller	6	128.5 lb (58.3 kg)	7.5 Bels	61 dBA	200	4.10	4.80	760	930	2594	3174
FAS6210A	FAS6210 Controller-Controller	6	128.5 lb (58.3 kg)	7.5 Bels	61 dBA	215	3.80	4.50	770	930	2628	3174
FAS6210	FAS6210 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	100	4.50	5.00	430	490	1468	1673
FAS6210	FAS6210 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	200	2.30	2.50	415	480	1417	1639
FAS6210	FAS6210 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	215	2.10	2.40	415	475	1417	1622
FAS6210A	FAS6210 Controller-Controller	6	128.5 lb (58.3 kg)	7.5 Bels	61 dBA	200	4.10	4.80	760	930	2594	3174
FAS6210A	FAS6210 Controller-Controller	6	128.5 lb (58.3 kg)	7.5 Bels	61 dBA	215	3.80	4.50	770	930	2628	3174

FAS6220 with 7-Mode 8.1.4

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
FAS6220												
FAS6220	FAS6220 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	100	4.50	5.00	430	490	1468	1673
FAS6220	FAS6220 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	200	2.30	2.50	415	480	1417	1639
FAS6220	FAS6220 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	215	2.10	2.40	415	475	1417	1622
FAS6220A	FAS6220 Controller-Controller	6	128.5 lb (58.3 kg)	7.5 Bels	61 dBA	200	4.10	4.80	760	930	2594	3174
FAS6220A	FAS6220 Controller-Controller	6	128.5 lb (58.3 kg)	7.5 Bels	61 dBA	215	3.80	4.50	770	930	2628	3174
FAS6220	FAS6220 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	100	4.50	5.00	430	490	1468	1673
FAS6220	FAS6220 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	200	2.30	2.50	415	480	1417	1639
FAS6220	FAS6220 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	215	2.10	2.40	415	475	1417	1622
FAS6220A	FAS6220 Controller-Controller	6	128.5 lb (58.3 kg)	7.5 Bels	61 dBA	200	4.10	4.80	760	930	2594	3174
FAS6220A	FAS6220 Controller-Controller	6	128.5 lb (58.3 kg)	7.5 Bels	61 dBA	215	3.80	4.50	770	930	2628	3174
FAS6220	FAS6220 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	100	4.50	5.00	430	490	1468	1673
FAS6220	FAS6220 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	200	2.30	2.50	415	480	1417	1639

FAS6220	FAS6220 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	215	2.10	2.40	415	475	1417	1622
FAS6220A	FAS6220 Controller-Controller	6	128.5 lb (58.3 kg)	7.5 Bels	61 dBA	200	4.10	4.80	760	930	2594	3174
FAS6220A	FAS6220 Controller-Controller	6	128.5 lb (58.3 kg)	7.5 Bels	61 dBA	215	3.80	4.50	770	930	2628	3174
FAS6220	FAS6220 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	100	4.50	5.00	430	490	1468	1673
FAS6220	FAS6220 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	200	2.30	2.50	415	480	1417	1639
FAS6220	FAS6220 Controller-Blank	6	99.2 lb (45.0 kg)	7.5 Bels	61 dBA	215	2.10	2.40	415	475	1417	1622
FAS6220A	FAS6220 Controller-Controller	6	128.5 lb (58.3 kg)	7.5 Bels	61 dBA	200	4.10	4.80	760	930	2594	3174
FAS6220A	FAS6220 Controller-Controller	6	128.5 lb (58.3 kg)	7.5 Bels	61 dBA	215	3.80	4.50	770	930	2628	3174

FAS6240 with 7-Mode 8.1.4

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
FAS6240												
FAS6240	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.60	9.30	625	920	2134	3140
FAS6240	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.30	4.50	615	875	2099	2987
FAS6240	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.10	4.20	605	875	2065	2987
FAS6240A	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.60	9.30	625	920	2134	3140
FAS6240A	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.30	4.50	615	875	2099	2987
FAS6240A	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.10	4.20	605	875	2065	2987
FAS6240	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.60	9.30	625	920	2134	3140
FAS6240	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.30	4.50	615	875	2099	2987
FAS6240	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.10	4.20	605	875	2065	2987
FAS6240A	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.60	9.30	625	920	2134	3140
FAS6240A	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.30	4.50	615	875	2099	2987
FAS6240A	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.10	4.20	605	875	2065	2987
FAS6240	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.60	9.30	625	920	2134	3140
FAS6240	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.30	4.50	615	875	2099	2987
FAS6240	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.10	4.20	605	875	2065	2987
FAS6240A	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.60	9.30	625	920	2134	3140
FAS6240A	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.30	4.50	615	875	2099	2987
FAS6240A	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.10	4.20	605	875	2065	2987
FAS6240	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.60	9.30	625	920	2134	3140

FAS6240	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.30	4.50	615	875	2099	2987
FAS6240	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.10	4.20	605	875	2065	2987
FAS6240A	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.60	9.30	625	920	2134	3140
FAS6240A	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.30	4.50	615	875	2099	2987
FAS6240A	FAS6240 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.10	4.20	605	875	2065	2987

FAS6250 with 7-Mode 8.1.4

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
FAS6250												
FAS6250	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.60	9.30	625	920	2134	3140
FAS6250	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.30	4.50	615	875	2099	2987
FAS6250	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.10	4.20	605	875	2065	2987
FAS6250A	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.60	9.30	625	920	2134	3140
FAS6250A	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.30	4.50	615	875	2099	2987
FAS6250A	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.10	4.20	605	875	2065	2987
FAS6250	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.60	9.30	625	920	2134	3140
FAS6250	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.30	4.50	615	875	2099	2987
FAS6250	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.10	4.20	605	875	2065	2987
FAS6250A	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.60	9.30	625	920	2134	3140
FAS6250A	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.30	4.50	615	875	2099	2987
FAS6250A	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.10	4.20	605	875	2065	2987
FAS6250	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.60	9.30	625	920	2134	3140
FAS6250	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.30	4.50	615	875	2099	2987
FAS6250	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.10	4.20	605	875	2065	2987
FAS6250A	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.60	9.30	625	920	2134	3140
FAS6250A	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.30	4.50	615	875	2099	2987
FAS6250A	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.10	4.20	605	875	2065	2987
FAS6250	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.60	9.30	625	920	2134	3140
FAS6250	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.30	4.50	615	875	2099	2987
FAS6250	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.10	4.20	605	875	2065	2987
FAS6250A	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.60	9.30	625	920	2134	3140
FAS6250A	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.30	4.50	615	875	2099	2987
FAS6250A	FAS6250 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.10	4.20	605	875	2065	2987

FAS6280 with 7-Mode 8.1.4

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
FAS6280												
FAS6280	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.90	9.60	665	950	2270	3243
FAS6280	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.50	4.70	645	910	2202	3106
FAS6280	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.30	4.40	645	910	2202	3106
FAS6280A	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.90	9.60	665	950	2270	3243
FAS6280A	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.50	4.70	645	910	2202	3106
FAS6280A	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.30	4.40	645	910	2202	3106
FAS6280	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.90	9.60	665	950	2270	3243
FAS6280	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.50	4.70	645	910	2202	3106
FAS6280	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.30	4.40	645	910	2202	3106
FAS6280A	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.90	9.60	665	950	2270	3243
FAS6280A	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.50	4.70	645	910	2202	3106
FAS6280A	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.30	4.40	645	910	2202	3106
FAS6280	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.90	9.60	665	950	2270	3243
FAS6280	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.50	4.70	645	910	2202	3106
FAS6280	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.30	4.40	645	910	2202	3106
FAS6280A	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.90	9.60	665	950	2270	3243
FAS6280A	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.50	4.70	645	910	2202	3106
FAS6280A	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.30	4.40	645	910	2202	3106
FAS6280	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.90	9.60	665	950	2270	3243
FAS6280	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.50	4.70	645	910	2202	3106
FAS6280	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.30	4.40	645	910	2202	3106
FAS6280A	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.90	9.60	665	950	2270	3243
FAS6280A	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	200	3.50	4.70	645	910	2202	3106
FAS6280A	FAS6280 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	215	3.30	4.40	645	910	2202	3106

FAS6290 with 7-Mode 8.1.4

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
FAS6290												
FAS6290	FAS6290 Controller-IOXM	6	125.4 lb (56.9 kg)	7.5 Bels	61 dBA	100	6.90	9.60	665	950	2270	3243

[illegible]

Alternate View Images

Rear View - FAS2040 (Controller + Controller)

Rear View - FAS2040 (Controller + Blank)

Rear View - FAS2220 (Controller + Controller)

Rear View - FAS2220 (Controller + Blank)

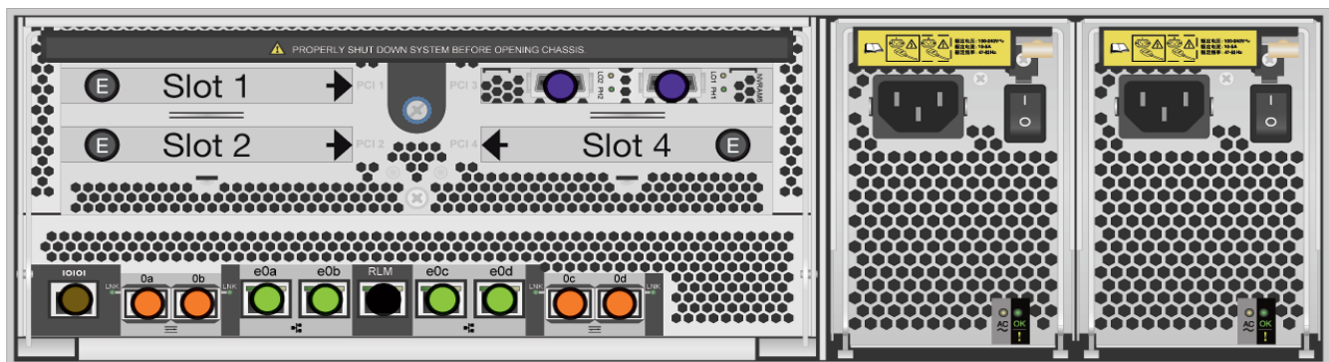
Rear View - FAS2240-2 (Controller + Controller)

Rear View - FAS2240-2 (Controller + Blank)

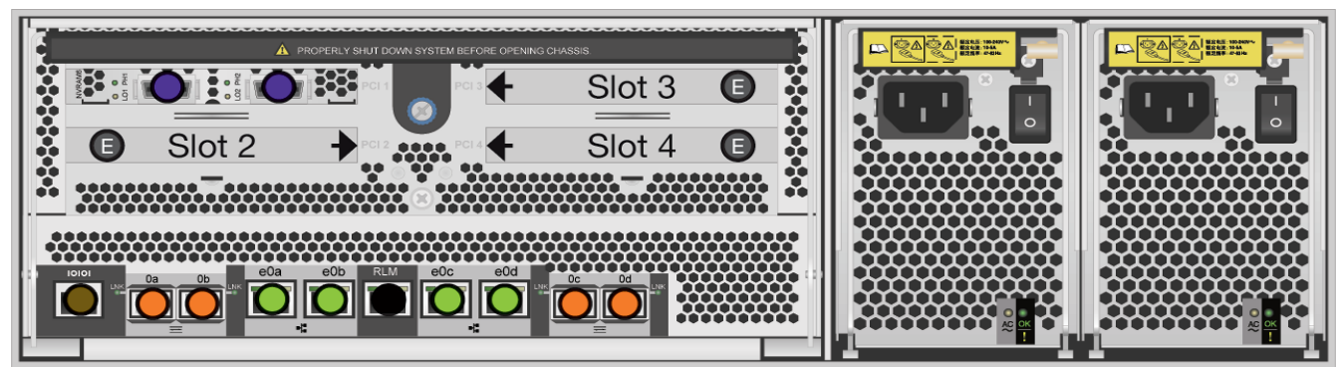
Rear View - FAS2240-4 (Controller + Controller)

Rear View - FAS2240-4 (Controller + Blank)

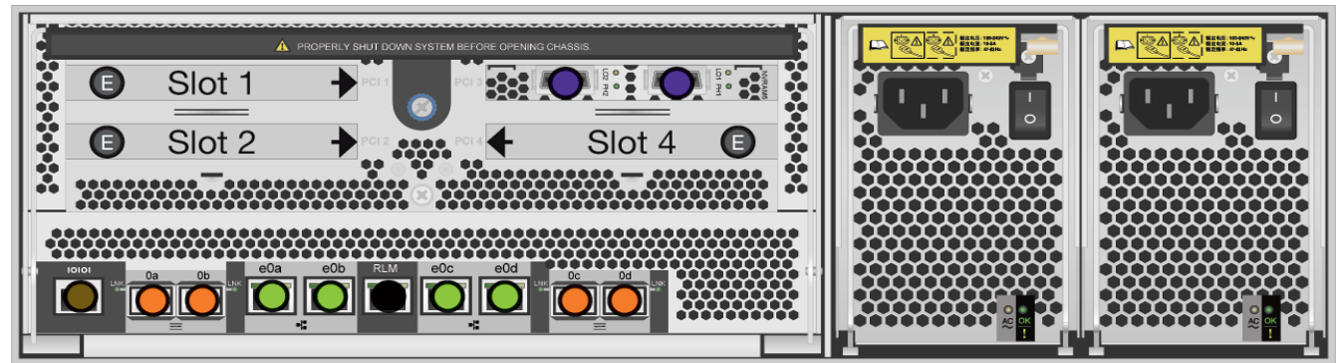
Rear View - FAS3040 (Controller + Controller)



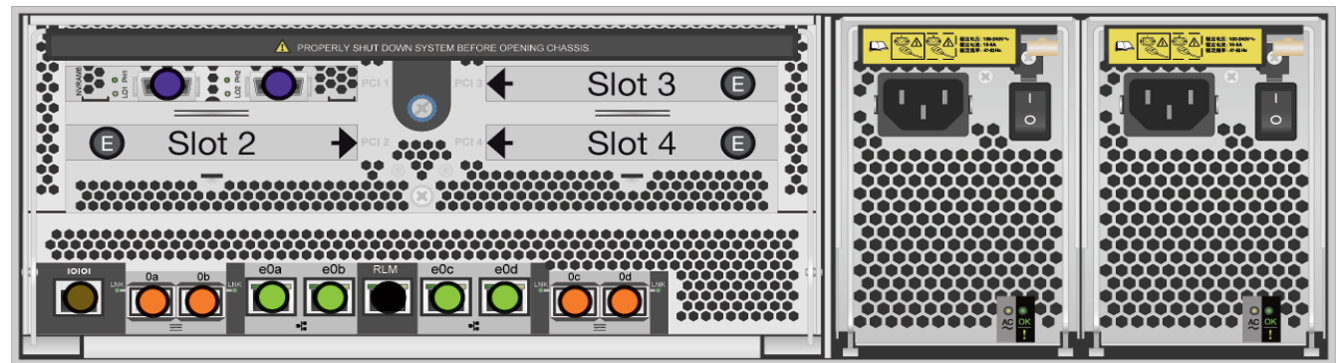
Rear View - FAS3040 (Controller + Blank)



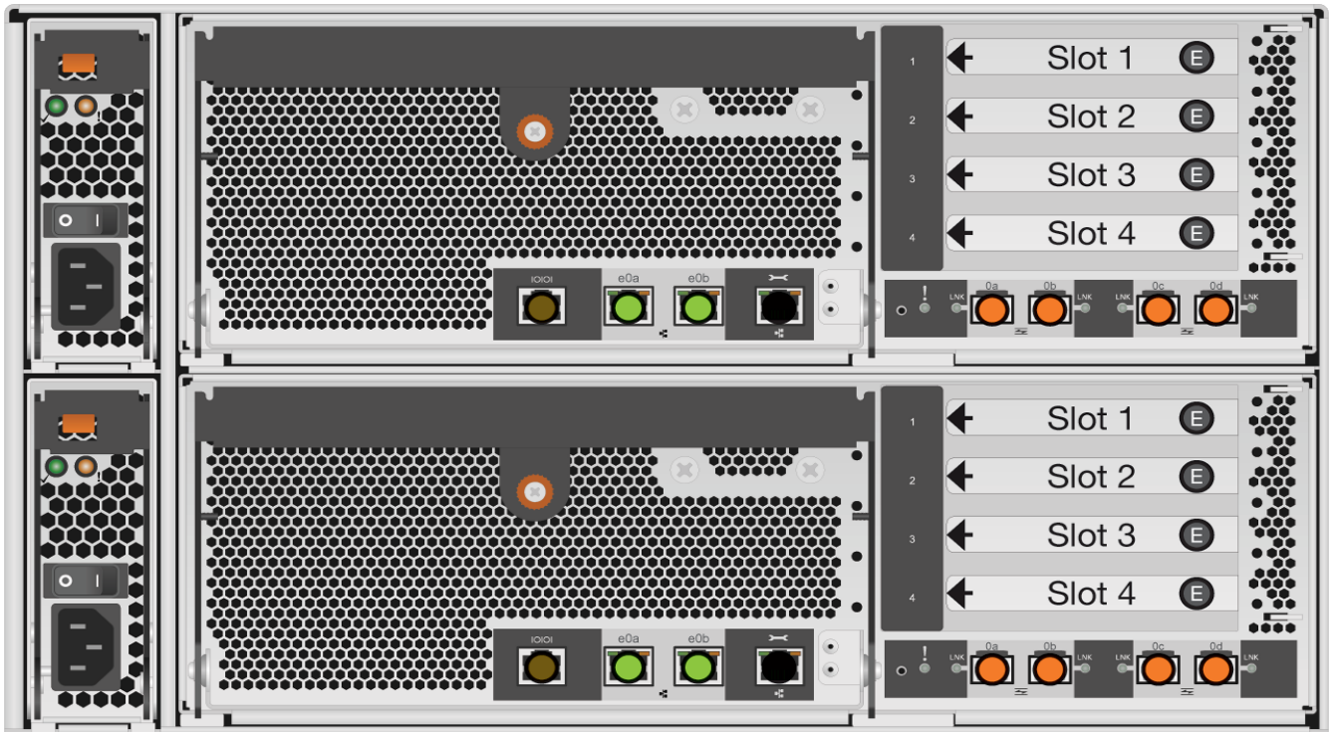
Rear View - FAS3070 (Controller + Controller)



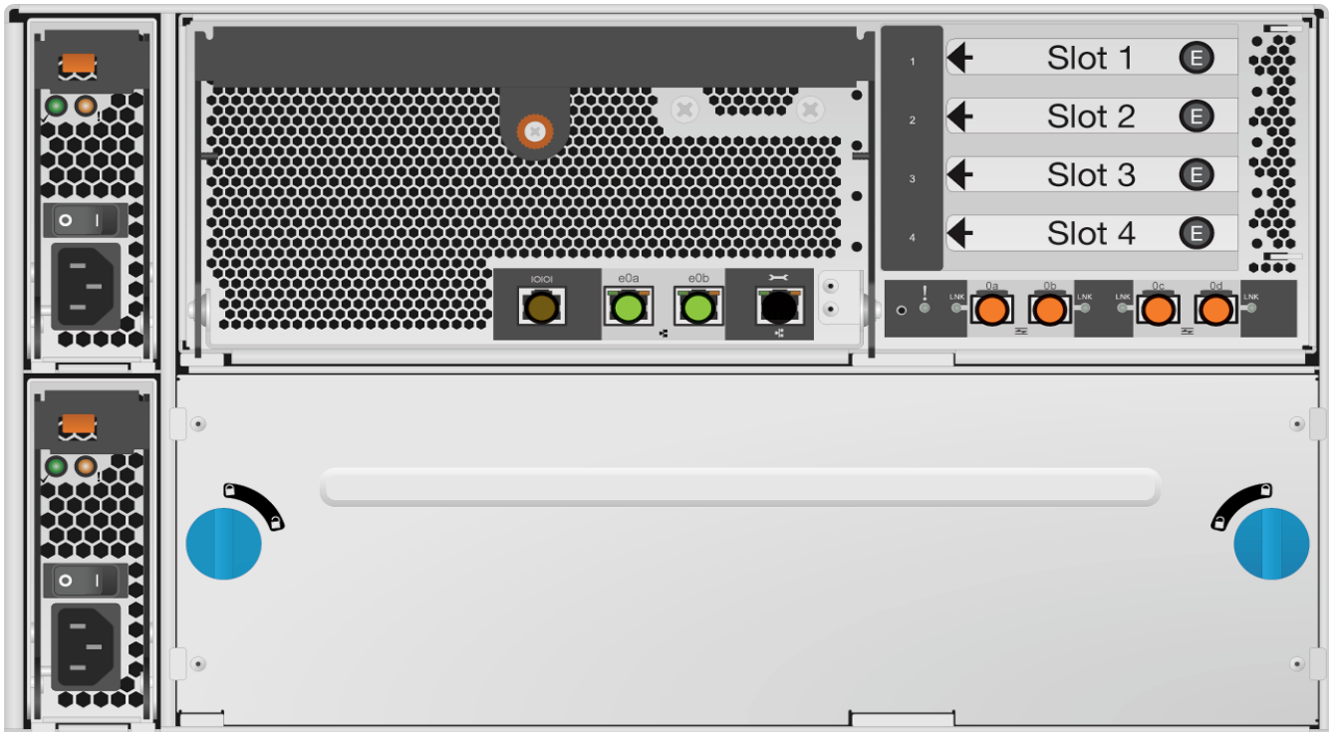
Rear View - FAS3070 (Controller + Blank)



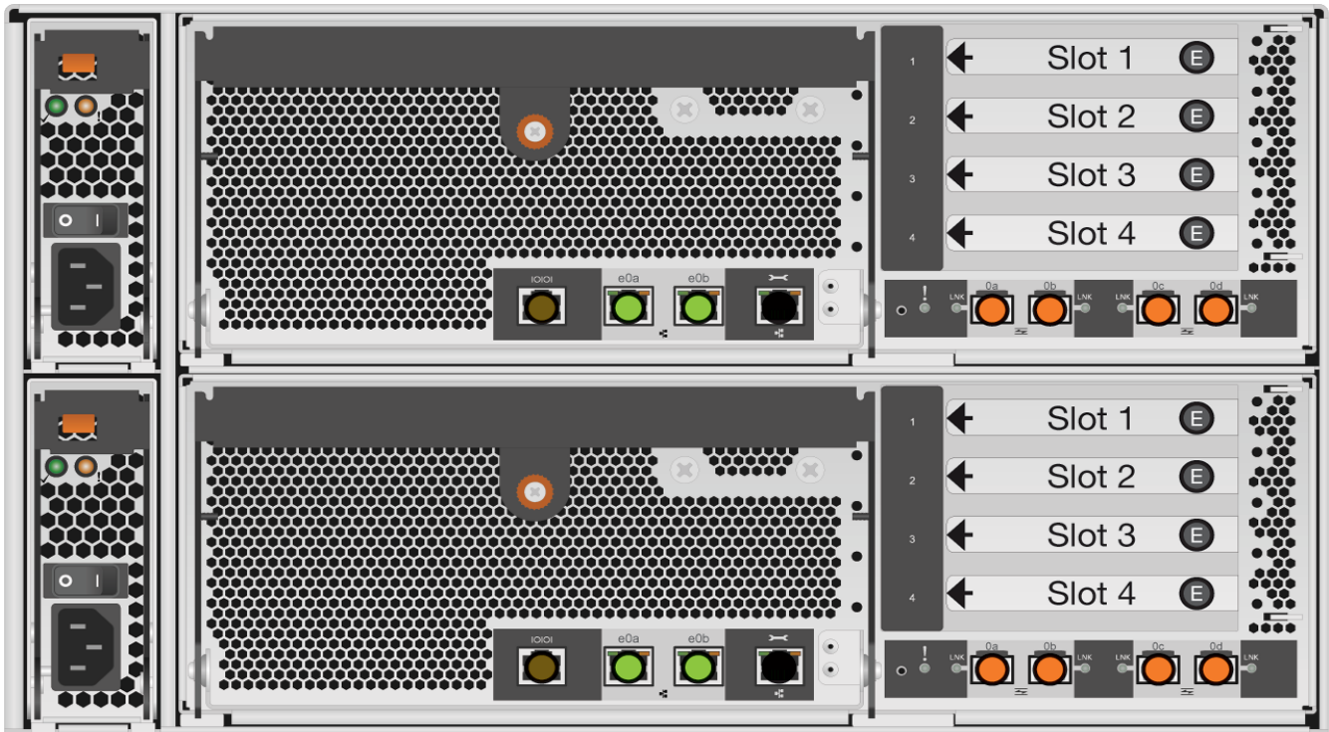
Rear View - FAS3140 (Controller + Controller)



Rear View - FAS3140 (Controller + Blank)



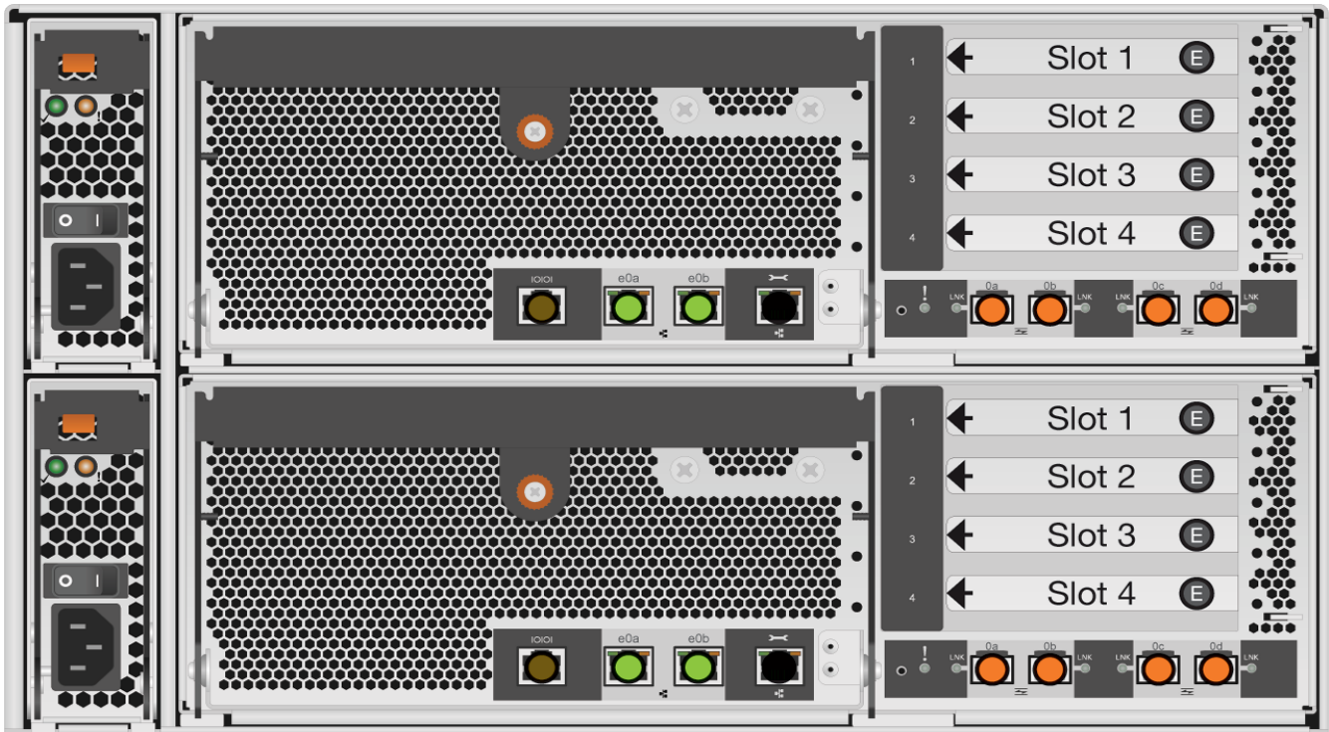
Rear View - FAS3160 (Controller + Controller)



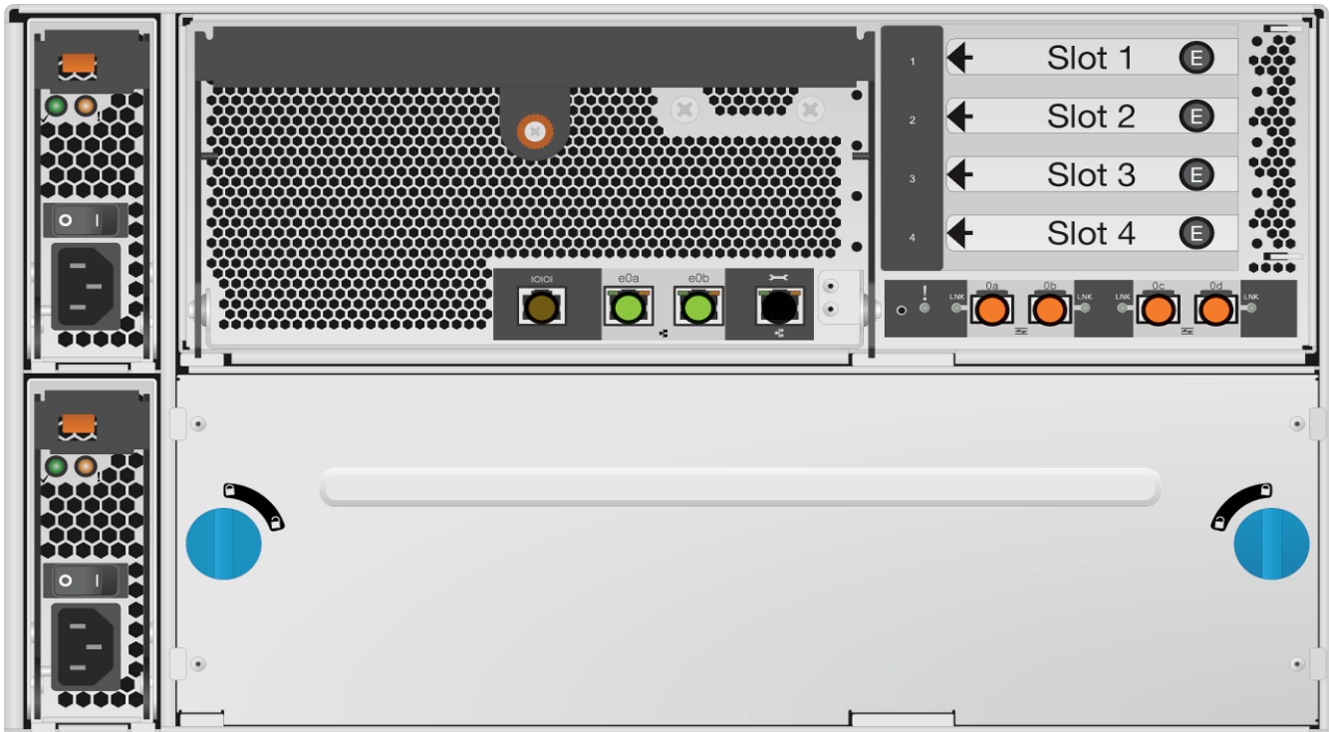
Rear View - FAS3160 (Controller + Blank)



Rear View - FAS3170 (Controller + Controller)



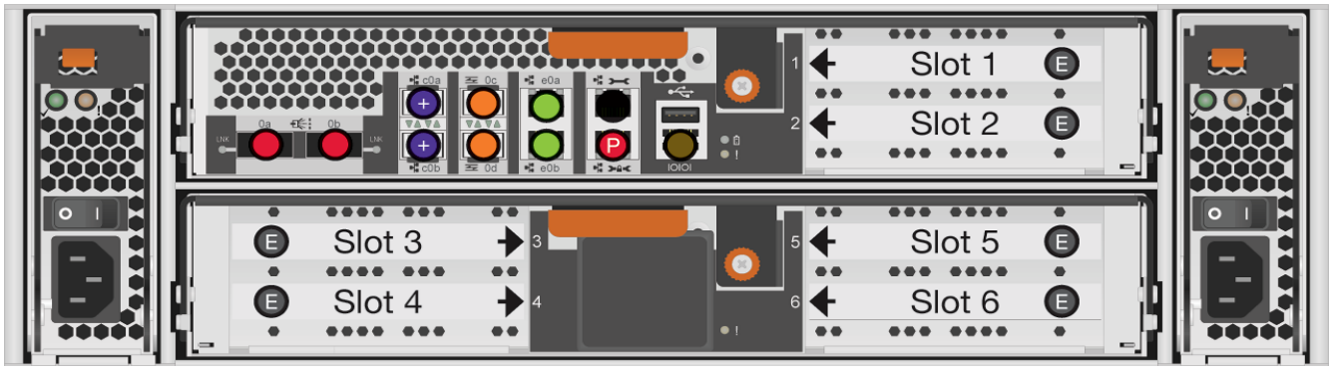
Rear View - FAS3170 (Controller + Blank)



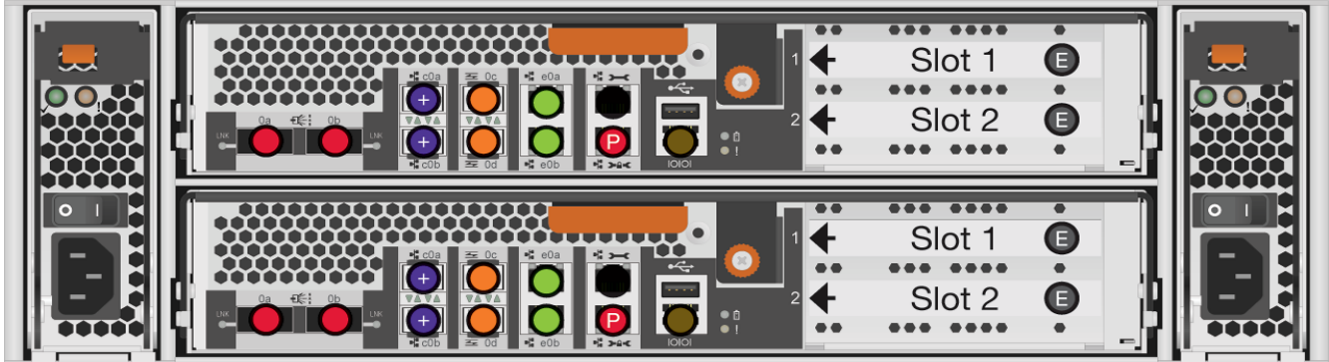
Rear View - FAS3210 (Controller + Controller)

Rear View - FAS3210 (Controller + Blank)

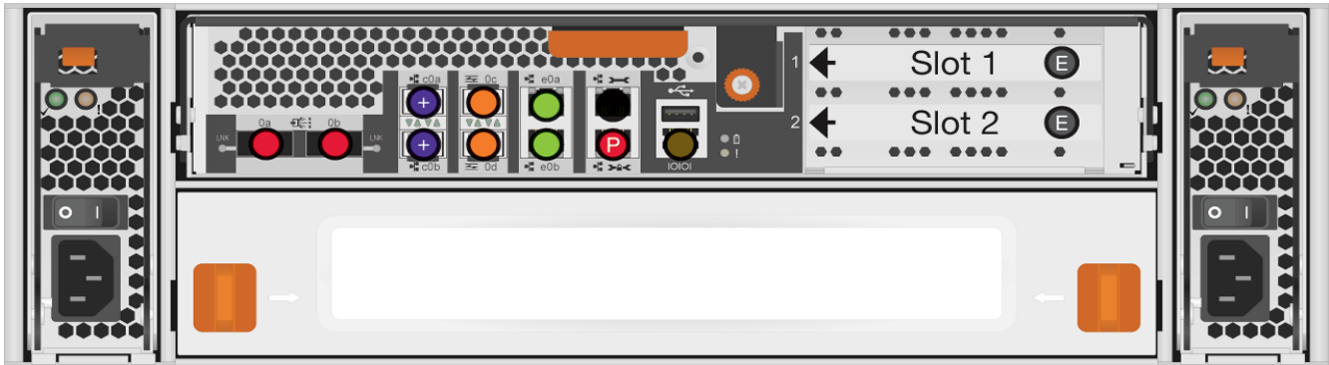
Rear View - FAS3220 (Controller + IOXM)



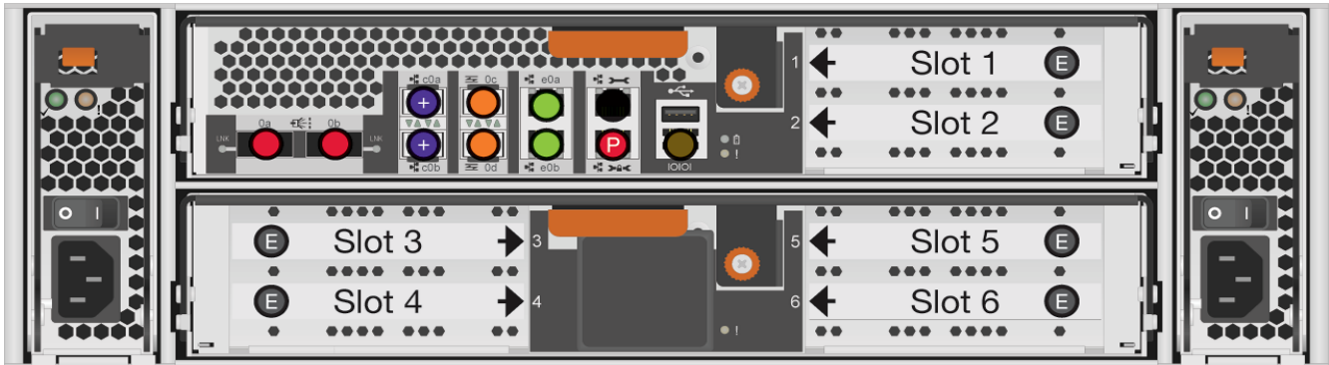
Rear View - FAS3220 (Controller + Controller)



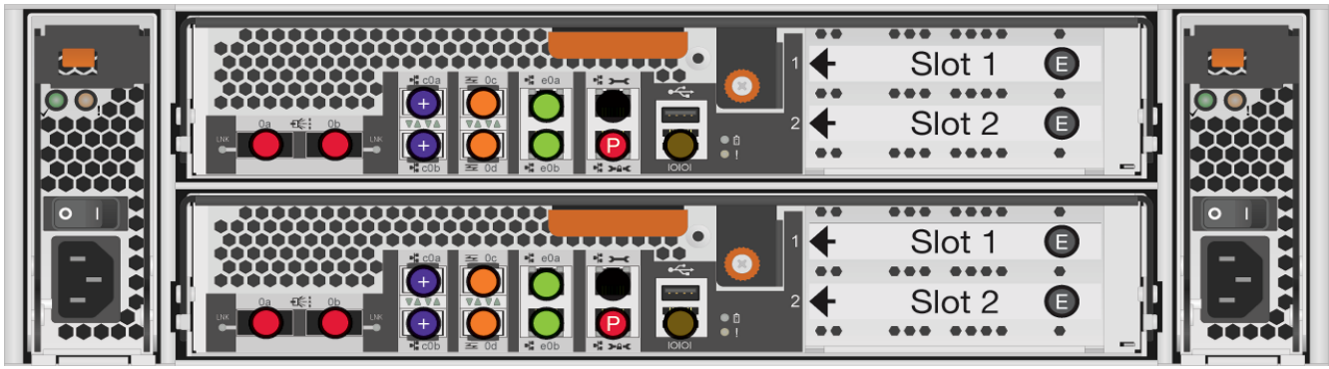
Rear View - FAS3220 (Controller + Blank)



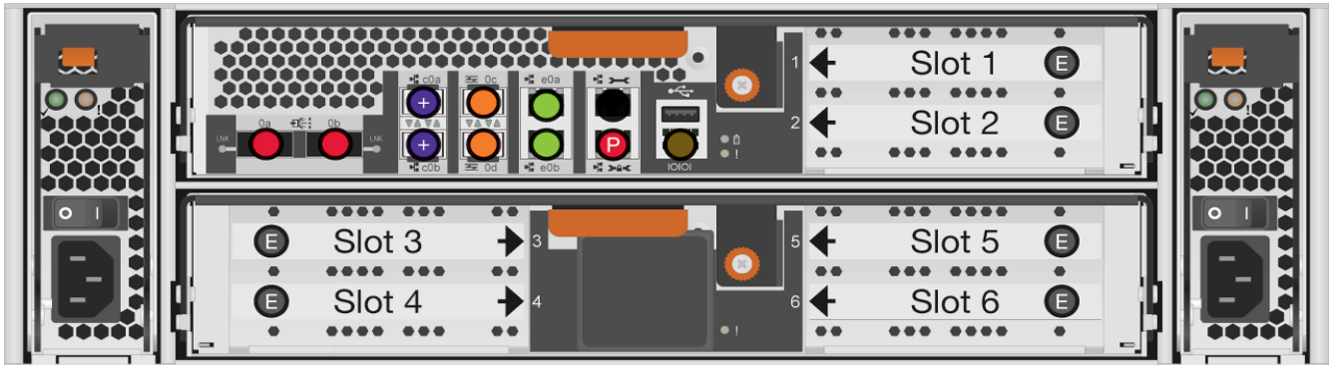
Rear View - FAS3240 (Controller + IOXM)



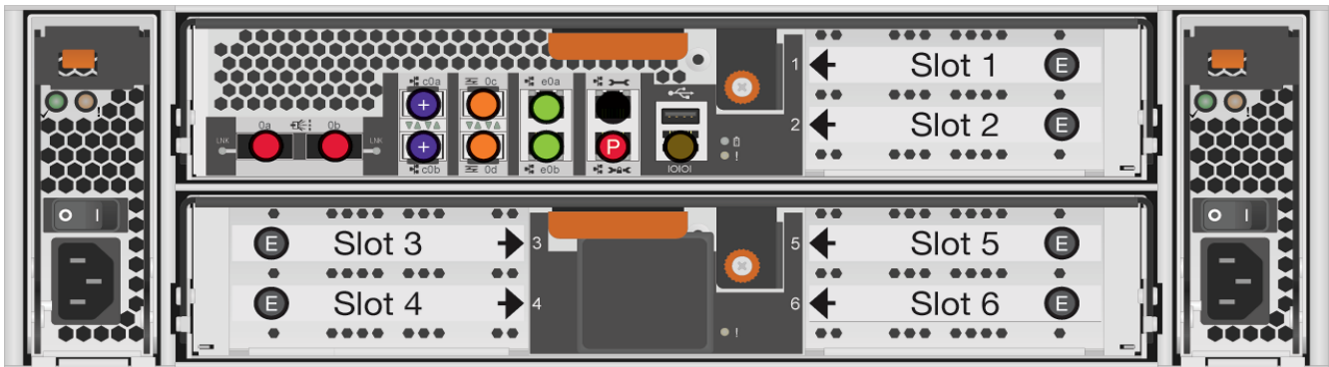
Rear View - FAS3240 (Controller + Controller)



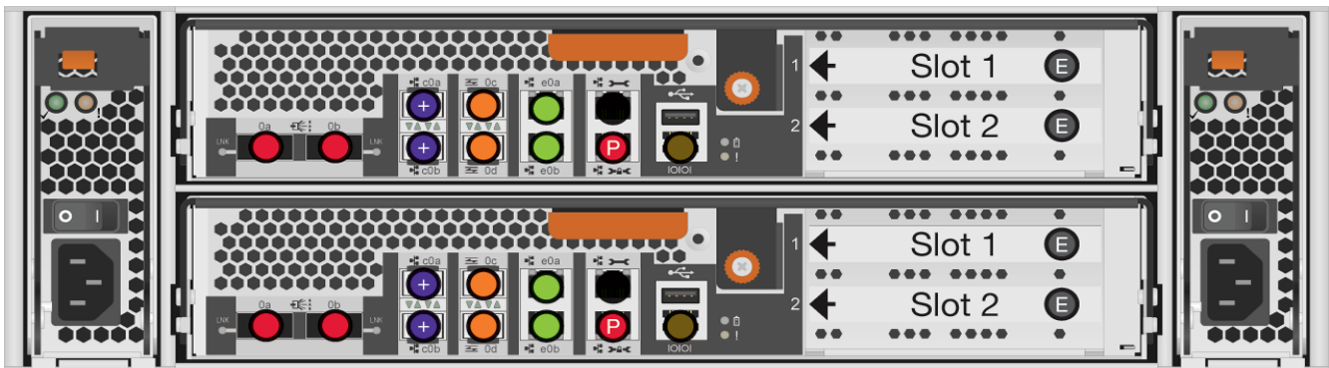
Rear View - FAS3250 (Controller + IOXM)



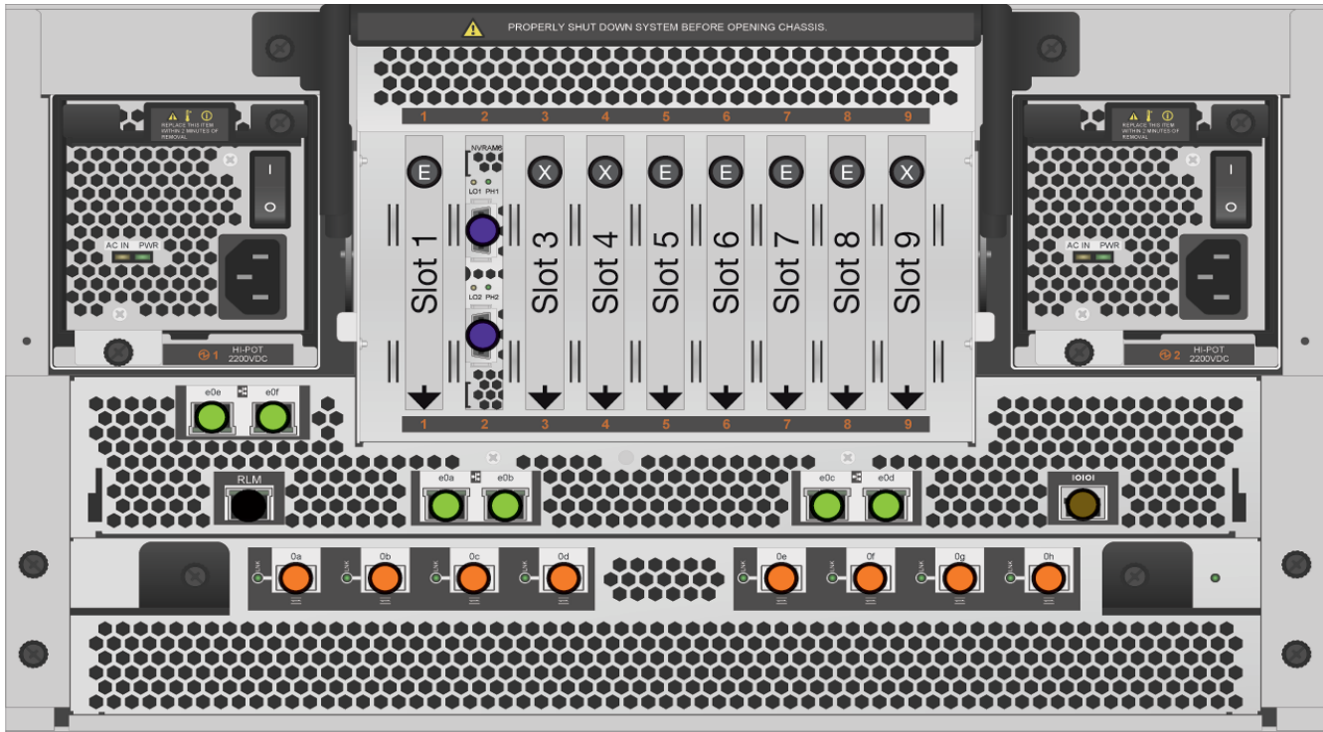
Rear View - FAS3270 (Controller + IOXM)



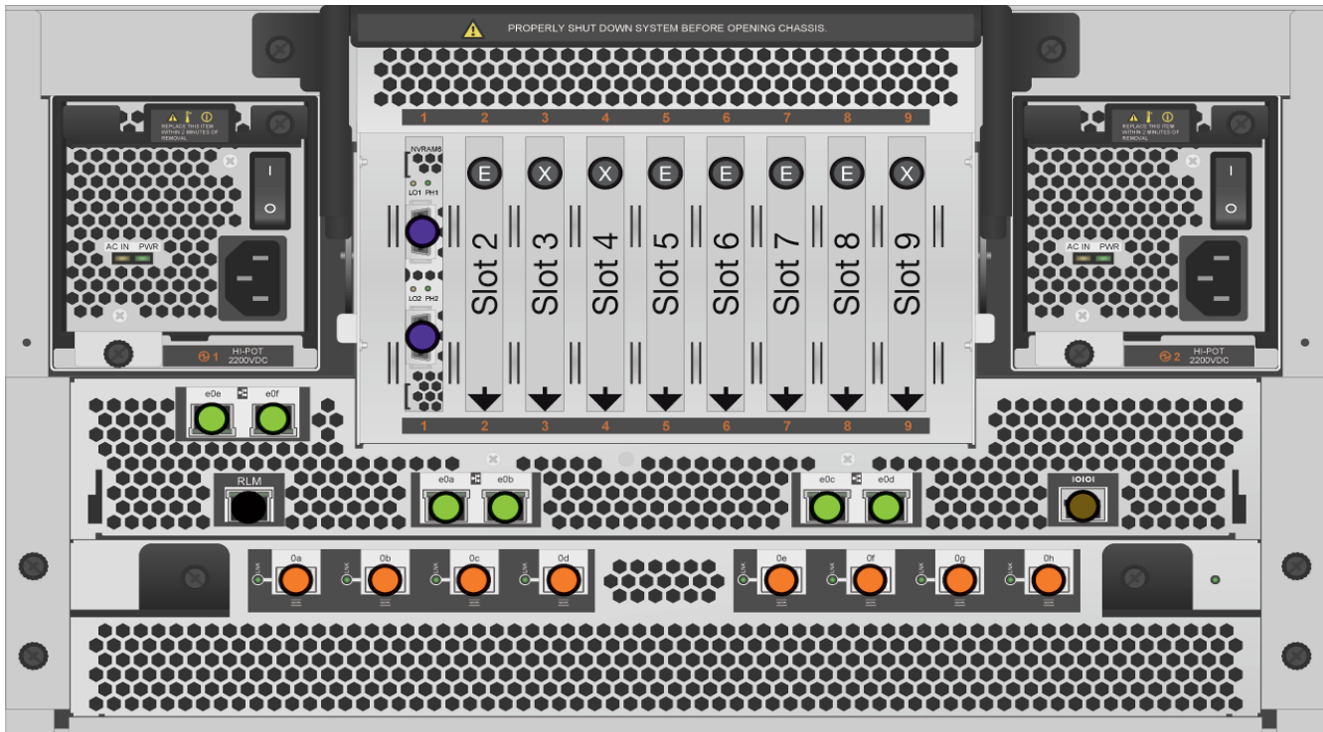
Rear View - FAS3270 (Controller + Controller)



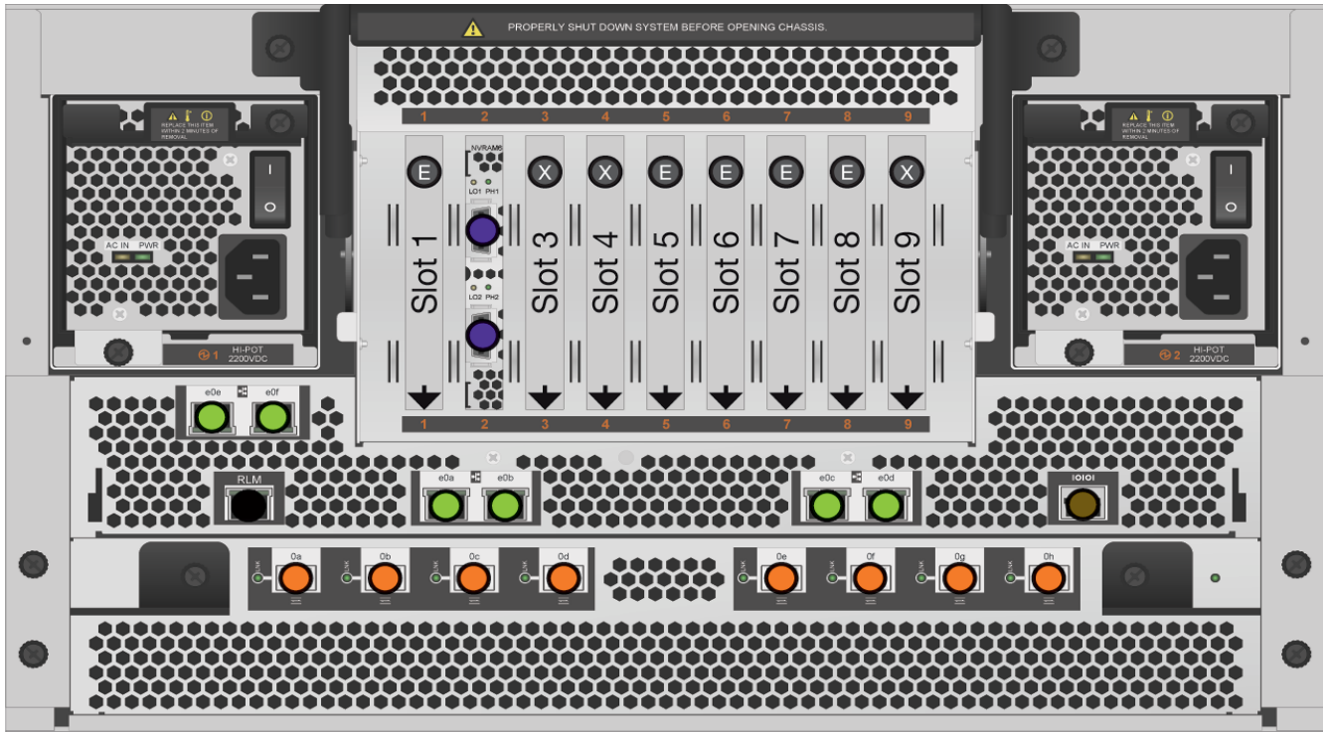
Rear View - FAS6030 (Controller + Controller)



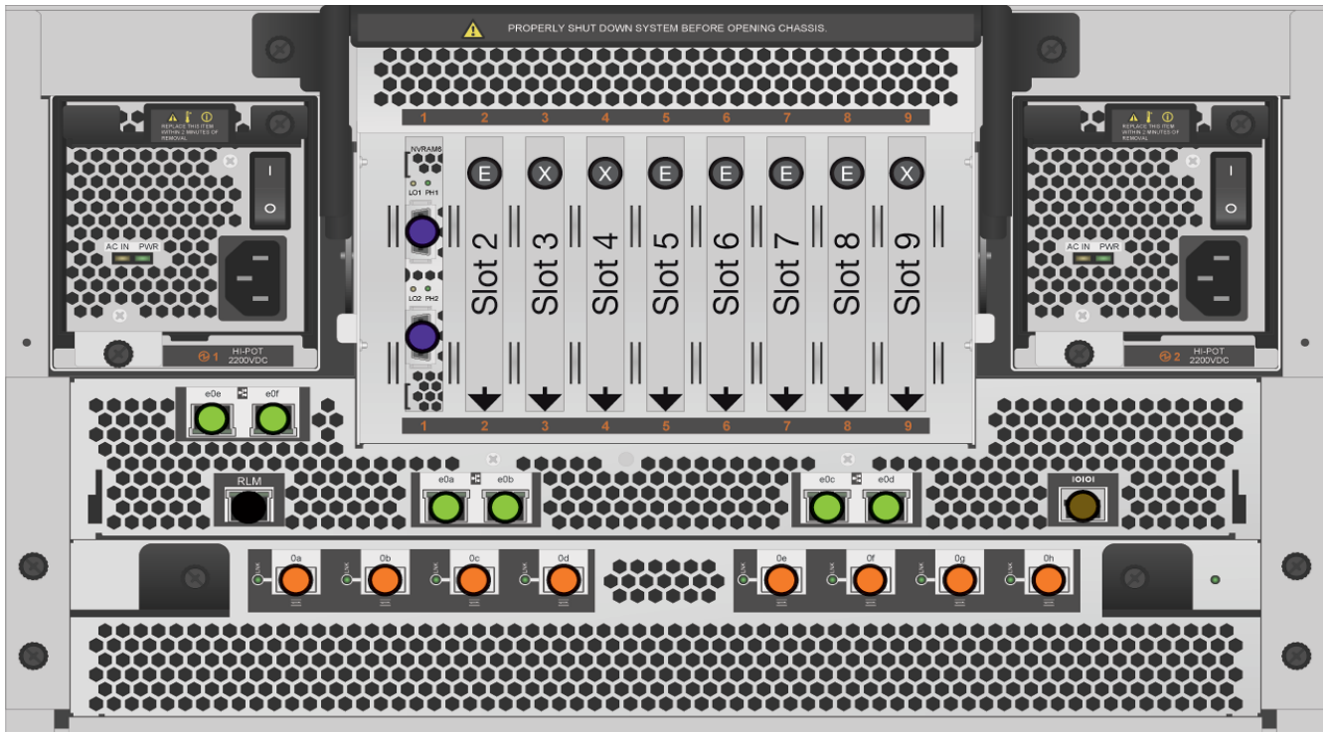
Rear View - FAS6030 (Controller + Blank)



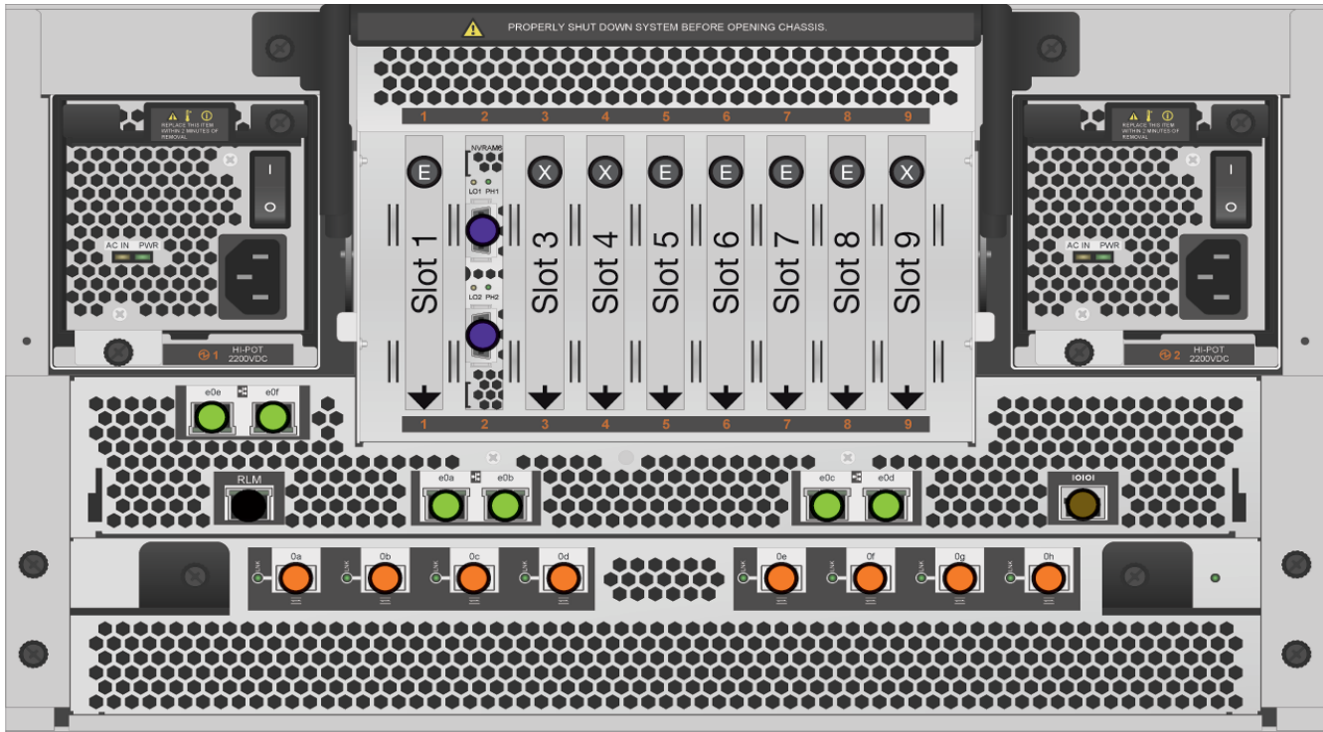
Rear View - FAS6040 (Controller + Controller)



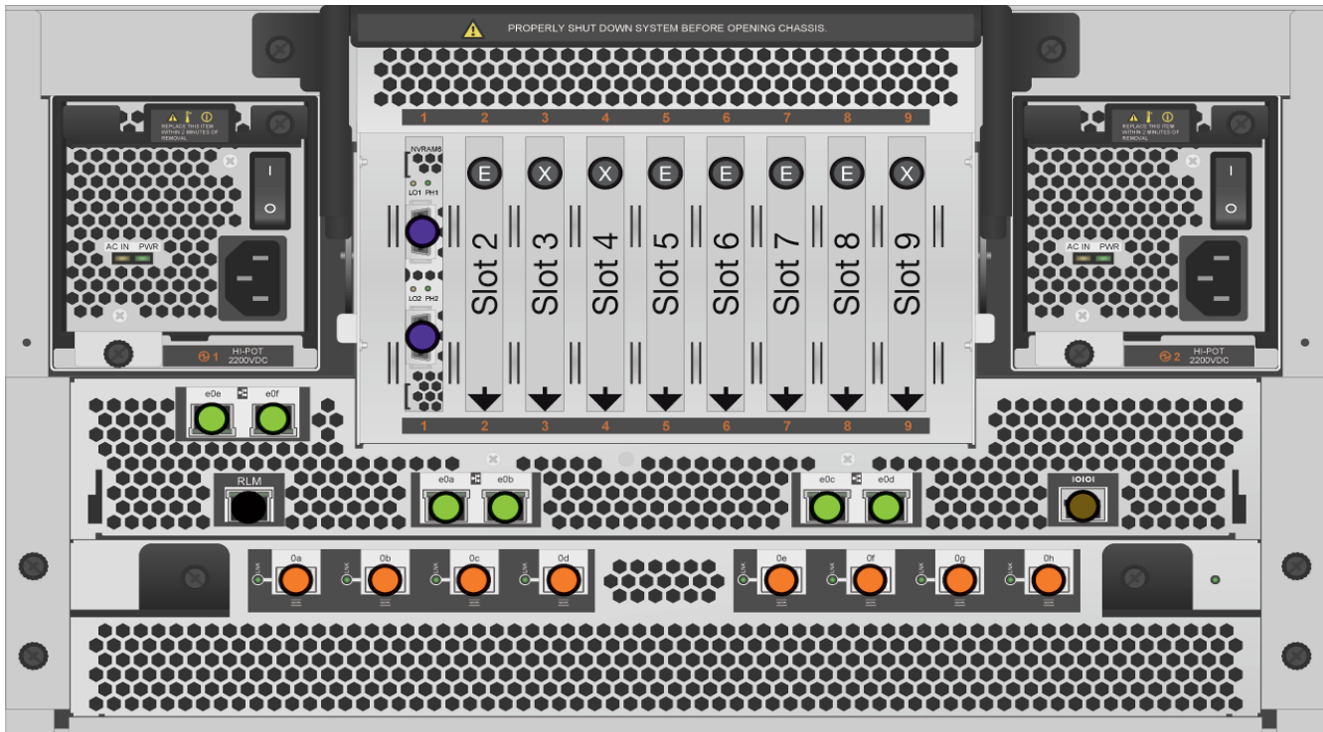
Rear View - FAS6040 (Controller + Blank)



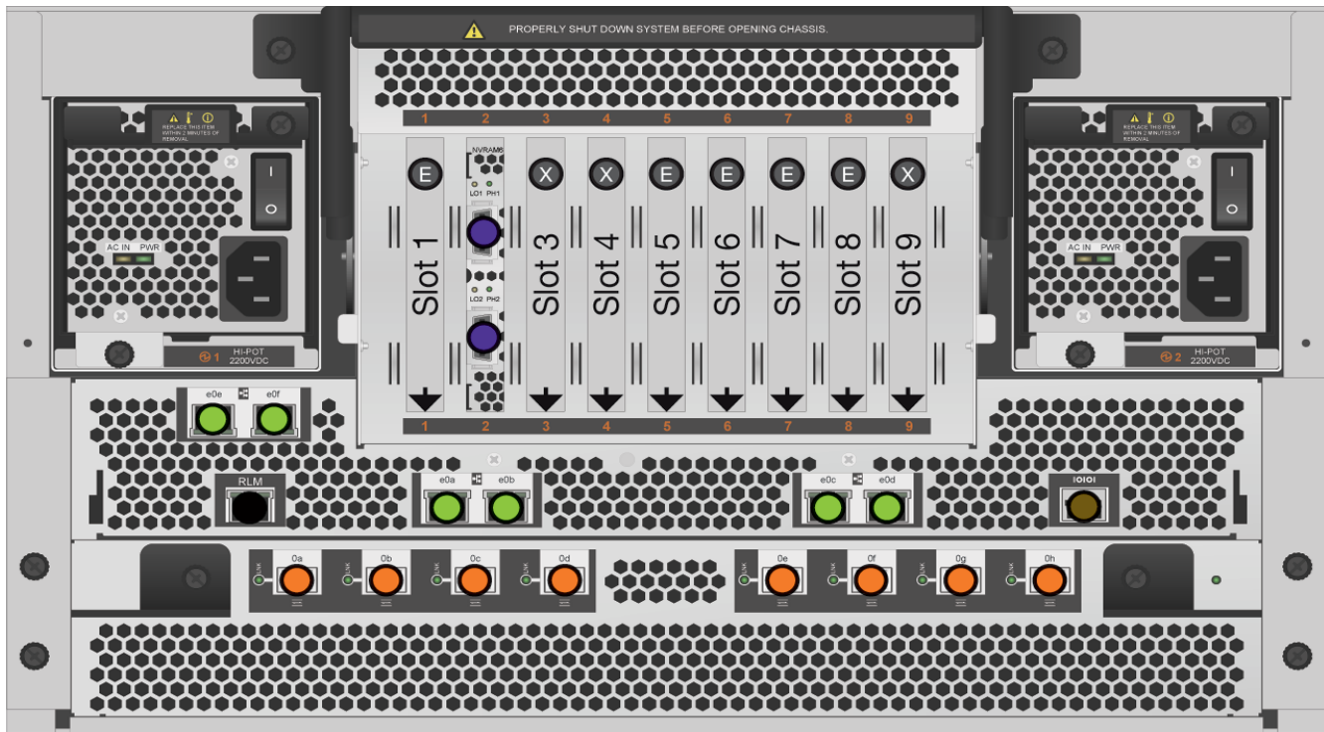
Rear View - FAS6070 (Controller + Controller)



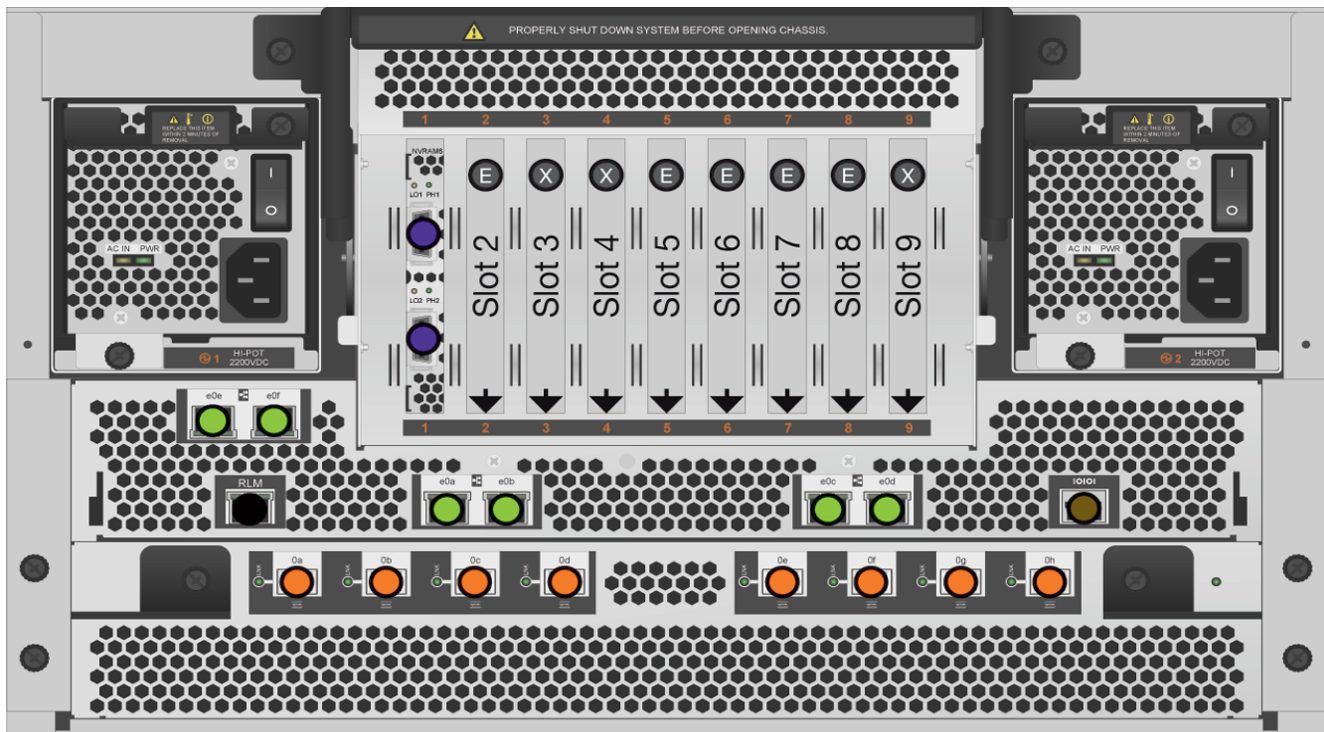
Rear View - FAS6070 (Controller + Blank)



Rear View - FAS6080 (Controller + Controller)



Rear View - FAS6080 (Controller + Blank)



Rear View - FAS6210 (Controller + Controller with FC)

Rear View - FAS6210 (Controller + Controller with SAS)

Rear View - FAS6210 (Controller + Blank with FC)

Rear View - FAS6210 (Controller + Blank with SAS)

Rear View - FAS6220 (Controller + Controller with FC)

Rear View - FAS6220 (Controller + Controller with SAS)

Rear View - FAS6220 (Controller + Blank with FC)

Rear View - FAS6220 (Controller + Blank with SAS)

Rear View - FAS6240 (Controller + IOXM with FC)

Rear View - FAS6240 (Controller + IOXM with SAS)

Rear View - FAS6250 (Controller + IOXM with FC)

Rear View - FAS6250 (Controller + IOXM with SAS)

Rear View - FAS6280 (Controller + IOXM with FC)

Rear View - FAS6280 (Controller + IOXM with SAS)

Rear View - FAS6290 (Controller + IOXM with FC)

Rear View - FAS6290 (Controller + IOXM with SAS)

Expansion Slots		SAS/SCSI Ports		Ethernet Ports		Fibre Channel Ports		HA Ports		Management Ports	
 PCIe	 Install	 MiniSAS HD	 AB Path RJ45	 QSFP+	 RJ45	 UTAJ/CNA SFP+		 MiniSAS HD	 Infiniband 4X	 Remote RJ45	 Console RJ45
 PCI-X		 MiniSAS	 LVD VHDCI	 SFP28		 SFP+		 QSFP		 Host USB A	 Micro-B
 Mezzanine		 QSFP		 SFP+		 SFP		 SFP+		 PS/2	