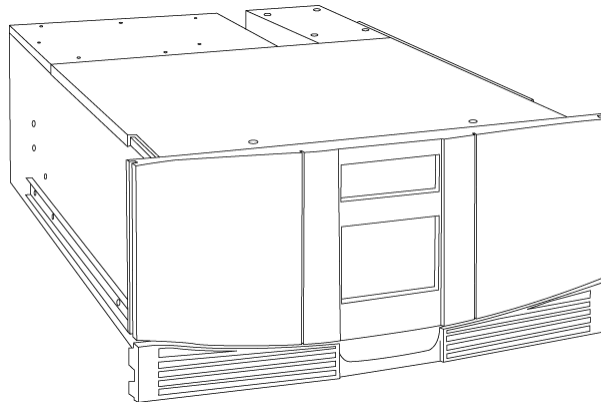


Overview



HP StorageWorks MSL5030 Tape Library

Introduction

The HP StorageWorks MSL5030 Tape Library provides growth opportunities and investment protection for your rapidly growing storage needs. Designed for flexibility, HP's midrange system library (MSL) can be scaled with additional MSL libraries. This feature allows a single library to grow dynamically with capacity and technology needs (up to 16 drives and 240 slots). In addition, the MSL5000 libraries are easily managed through an intuitive GUI control panel and integrated remote Web management.

Product Highlights

HP StorageWorks MSL5030 Tape Library

The HP StorageWorks MSL5030 Tape Library comes with 30 media slots (including one mail slot) and one or two HP StorageWorks LTO Ultrium 230 Tape Drives (number of drives determined by SKU chosen)

MSL5030, 0 DRV, RM Library	301897-B21
MSL5030, 1 DRV, LTO Ultrium 230, RM Library	301897-B22
MSL5030, 2 DRV, LTO Ultrium 230, RM Library	301897-B23
MSL5030, 1 DRV, LTO Ultrium 230, embedded Fibre, RM Library	301897-B24
MSL 5030, 2 DRV, LTO Ultrium 230, embedded Fibre, RM Library	301897-B25
MSL5030, 1 DRV, LTO Ultrium 230, TT Library	301898-B21
MSL5030, 2 DRV, LTO Ultrium 230, TT Library	301898-B22
MSL5000 LTO Ultrium 230 upgrade drive in hot plug canister	301901-B21
MSL Ultrium 460 upgrade drive in hot plug canister	330729-B21

Each library installation will require, (1) library system, (1) geographically specific power cord, (1) SCSI cable for each drive pair, and up to 30 pieces of LTO Ultrium media with bar code labels for each MSL5030. Multiple configurations will require additional pass-through kits.

The minimum orderable configuration consists of a single library system (for instances where the customer already has the necessary SCSI cables, power cord, and media).

Installation services may also be ordered for customers who want to have a certified HP engineer perform an on-site library installation.

MSL5030 Library Customer benefits

- Multi-unit scalability permits future growth and provides investment protection
- Web-based remote management permits monitoring and managing the unit from across the room or across the world
- User-friendly intuitive front panel Graphical User Interface (GUI) makes operation fast and easy as well as minimizes future training costs
- Removable magazines for easy off-site backup storage
- Hot-plug drives help to minimize downtime
- Reliable, cost effective backup, restoration and archival solution that fits a growing company's storage needs
- Efficient 5U form-factor provides 3 TB of storage with out consuming much valuable rack space
- Compatible with a wide variety of operating systems, software applications, and server platforms, the MSL5030 will fit in your environment

Key Features

- Multi-unit modular scalability – any combination of MSL5030 and MSL5060s up to 40U high
- Web-based remote management system
- Touch screen GUI panel for easy library operation
- Two 15-slot magazines
- Thirty data slots for a native capacity of 3.0 TB, giving the highest density in a 5U form factor in the mainstream segment (including one mail slot for quick load/unload and removable magazine)
- Hot plug drives for on line repair and capacity expansion, without interrupting library operations for minimum downtime
- One or two LTO Ultrium 230 drives, with a throughput of 15 MB/s (native) per drive for a backup performance of up to 108 GB/hr for a single unit
- Ultra 2 LVD SCSI Interface or Embedded Fibre (2Gb)
- Two cPCI slots for added functionality through add-on cards in future
- Available as either a rackmount or tabletop configuration
- Qualified on a broad range of operating systems, ISV packages and hardware platforms (see Product Highlights for details)

Multi-unit Modular Scalability

The HP StorageWorks MSL 5030 Tape Library has the capability for multi-unit scalability; up to eight libraries can be scaled together into a single library. The first two modules are linked using the MSL5000 pass-through mechanism, which has the elevator mechanism for tape movement. Additions of subsequent modules require the MSL5000 5U pass-through extender (one for each additional module).

Product Highlights

High Availability and Hot Pluggable Drives As data becomes more mission critical, and downtime becomes more costly, customers are requiring high availability features on tape automation devices. The HP StorageWorks MSL5030 Tape Library uses hot pluggable drive carriers, allowing drive replacement without interrupting backup and restore functions. These hot pluggable drive trays allow for easy scalability of performance, as well as provide an easy upgrade path towards future drive technologies.

NOTE: The MSL5030 accepts only library ready drives specifically modified for use in the MSL5030 library.

Remote Management Interface Web-based management is included to allow monitoring and managing the library from across the room or across the globe. Many of the functions that are available on the front panel are included in the remote management interface. These include, but are not limited to, library and drive status, moving media, load/unload tape drives, access to diagnostics, library configuration, library statistics, inventory check, and security settings.

Manageability The HP StorageWorks MSL5030 Tape Library configurations are fully supported through Insight Manager 7.0, providing information to administrators for robotic status, tape status changes and fault status. HP TSMC (tape storage management console) and HP Library and Tape Tools (L&TT) provide diagnostics and easy firmware upgrade capabilities.

Investment Protection The HP StorageWorks MSL5030 Tape Library can be upgraded to HP StorageWorks Ultrium 460 Tape Drives simply by removing the existing tape drives and replacing them with the new tape drives. When doing this, the library **MUST** be configured with one (1) drive per SCSI bus.

Proven Reliability Using LTO Ultrium tape drives, and proven library robotics with a rating of 2,000,000 robot load/unload cycles, the MSL5030 provides the necessary high reliability for today's demanding environment.

LTO Ultrium Technology LTO Ultrium Tape Drives use best of breed technology. By taking the best features from other tape technologies and combining them into a single new technology Ultrium tape drives are in a league of their own. Inclusion of innovative features such as Adaptive Tape Speed (ATS) ensure that Ultrium drives can meet the performance and reliability demands of a library environment, whether it is direct attach SCSI (DAS) or a Storage Area Network (SAN). Linear Tape Open (LTO) technology is an industry open-standard format; thus data written on HP StorageWorks Ultrium Tape Drives can be interchanged directly with other Ultrium tape drives from other vendors.

Product Highlights

Server Support

NOTE: Some servers may no longer be available for purchase.

ProLiant DL760	HP Ixr8500
ProLiant ML750	HP lh6000
ProLiant DL580 G2	HP lh6000r
ProLiant ML570 G2	HP lt6000r
ProLiant ML530 G2	HP tc4100
ProLiant ML330 G2	HP tc3100
ProLiant DL380 G2	HP lh3000
ProLiant ML370	HP lc2000r
ProLiant ML350	HP lp2000r
ProLiant DL360	HP lp1000r
ProLiant DL320	HP e200
Superdome	HP e800
rp8400	Dell PowerEdge
rp7400 (N class)	IBM Netfinity
rp5400 series (L Class)	IBM RS6000
rp2400 series (A class)	Sun Sparc
K class	
D Class	

Application Support

Automation and Network Utilities

HP Tape Storage Management Console (v2.3 for NT 2000, 2.0 for NetWare)
MRU (media robot utility) v1.4 (Windows/NT 2000 only)
HP StorageWorks Library and Tape Tools v2.9
Insight Manager v7.0

ISV/OS Support

For the most up-to-date ISV & OS support please consult the Enterprise Backup Solutions Compatibility Matrix at <http://www.hp.com/go/ebs>.

Media Partitioning Support

Media partitioning is the capability to create logical pools or partitions in a tape library. The MSL tape libraries media partitioning capability supports multiple drives types within a single library or in a multi-unit stack. For current software supported, please consult the Enterprise Backup Solutions Compatibility Matrix at <http://www.hp.com/go/ebs>.

Service and Support, HP Care Pack and Warranty Information

HP Installation and HP Care Pack Information

Hewlett-Packard provides a one year, limited warranty, together with phone support for the duration of the warranty. In order to provide ease of installation, maximize uptime and ROI, Hewlett Packard provides a range of upgradeable service options.

Description	Band For MSL5030 1/2 drive library	Band For Drive upgrade kits	Installation Band	Part Number
Initial Tape Library Installation	463	N/A	5DR	HA113A1
Initial Tape Library Implementation Into SAN	463	N/A	5DR	HA114A1
Subsequent Tape Installation	N/A	8G5	5DU	HA113A1
HW, "3-year", "next-day", "on-site"	463	8G5	N/A	HA101A3
HW, "3-year", "4-hour", "13 x 5", "on-site"	463	8G5	N/A	HA103A3
HW, "3-year", "4-hour", "24 x 7", "on-site"	463	8G5	N/A	HA104A3
Support plus, "3-year"*	463	8G5	N/A	HA109A3
Support plus 24, "3-year"*	463	8G5	N/A	HA110A3

Hewlett Packard also offers 1-year options for the services quoted above.

* [Support Plus](#) covers [Hardware support only](#).

Due to the complexities involved with the initial installation of an enterprise Library into a SAN environment, Hewlett Packard recommends that customers take advantage of the SAN Implementation Service (HA114A1). This service covers pre-installation preparation activities, installation and configuration of the library and router, configuration of hosts and switches, verification testing and customer orientation.

In order to maximize ROI and product uptime, and minimize the cost of ownership, Hewlett-Packard recommends the 3-year, 24 x 7 service options. These offerings will ensure that any product issue can be tackled when they occur (most back up issues will occur outside standard business hours) and that the service coverage regarding period, covers the minimum expected life of the host system.

Auto Power On

Auto-power-on is a feature that allows the library to reboot in the event of a power failure without operator intervention. This feature must be installed by an authorized service technician.

Description	Band	Product Number
Auto-Power-On for MSL5026/5030	5AU	HA124A1

Related Options

		UPC Code	Part Number
MSL5030 Library System	MSL5030, 0 DRV, RM Library	613326560655	301897-B21
	MSL5030, 1 DRV, LTO Ultrium 230, RM Library	613326560679	301897-B22
	MSL5030, 2 DRV, LTO Ultrium 230, RM Library	613326560693	301897-B23
	MSL5030, 1 DRV, LTO Ultrium 230, Embedded Fibre, RM Library	613326560716	301897-B24
	MSL5030, 2 DRV, LTO Ultrium 230, Embedded Fibre, RM Library	613326560730	301897-B25
	MSL5030, 1 DRV, LTO Ultrium 230, TT Library	613326560754	301898-B21
	MSL5030, 2 DRV, LTO Ultrium 230, TT Library	613326560631	301898-B22

Supplied with each Library Unit

- Library Unit (pre-configured with drives, fibre card as applicable)
- One HP LTO Ultrium 100 GB (native) Data Cartridge
- One HP Ultrium Universal Cleaning Cartridge
- Bar Code Labels (35 Labels)
- SCSI Terminator(s) (1 per drive)
- SCSI Jumper Cable(s) VHDCI .5m (1 per drive)
- Diagnostic Cable (RJ11-DB9 for PC attach)
- MSL5000 and MSL6000 Series Documentation
- Driver CD – Media Robot utility CD
- MSL Utility floppy diskettes (2 disks)
- Warranty Card
- Safety Warnings Document
- ISS Safety Guide-HP
- 5U/10U Rack Template Poster (RM only)

Power Cord (Pair Required)	Power Cord, US/Canada/Mexico (shipped with all units)	720591673581	227099-001
	Power Cord, (Australia/China/New Zealand)	720591673567	227098-011
	Power Cord, (South East Asia/India)		157220-AR1
	Power Cord, (Central Europe)		157215-021
	Power Cord, (United Kingdom/Hong Kong)	720591547288	157216-031
	Power Cord, (Switzerland)	743172633156	157219-111
	Power Cord, (Italy)		157217-061
	Power Cord, (Denmark)		157218-081
	Power Cord, (Japan)		139867-006

NOTE: (Shipped with all units.) Order Local power cords separately.

Auto-Power-On Auto-Power-On allows the library to automatically reboot in the event of a power failure. For details on ordering this option, please visit the "Installation and HP Care Pack Services" section of this document.

Pass-through Mechanism	MSL5000, universal pass-through mechanism (includes elevator mechanism and router, required to connect first two units in a stack) (capable of handling both SDLT and LTO media)	613326628447	304825-B21
	MSL5000, 5U pass-through extender (required one for each unit connected to the stack, for third and additional units)	720591730079	231824-B22

Drive, capacity, and memory upgrade kits	MSL5000 LTO Ultrium 230 Upgrade Drive	613326560594	301901-B21
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Related Options

Interface Cards	Network Storage Router E1200 - 160 MSL embedded fibre option kit – graphite		330728-B21
Media and Bar Code Labels	MSL5000 Dual Magazine LTO (2 x 15 slot magazines, left and right) LTO Ultrium Media HP LTO Ultrium Data Cartridge HP LTO Ultrium Universal Cleaning Cartridge HP Ultrium 1 bar code label pack HP Ultrium 200GB Pre-Labeled Data Cartridge	613326560617	301902-B21 C7971A C7978A Q2001A C7971AL
SCSI Cables	SCSI Cable, VHDCI/VHDCI, 6 feet SCSI Cable, VHDCI/VHDCI, 12 feet SCSI Cable, VHDCI/Wide, 6 feet SCSI Cable, VHDCI/Wide, 12 feet SCSI Cable, VHDCI/Wide, 10 meter	743172660817 743172660824 743172660831 743172660848 720591469108	341174-B21 341175-B21 341176-B21 341177-B21 201160-B21
	NOTE: Check the cable-adapter matrix for tape libraries on: ftp://ftp.compaq.com/pub/products/storageworks/tape-and-optical-storage/adapter-cable-matrix.pdf		
FC Host Bus Adapters	HSC-eff Tachlite Fibre Channel Adapter HSC Tachlite Fibre Channel Adapter PCI 4X 2Gbps single port Fibre Channel Adapter		A6684A A6685A A6795A
SCSI Host Bus Adapters	ProLiant/NetServer 64-bit 66 MHz PCI Dual Channel Wide Ultra3 SCSI adapter Ultra3 LVD, single channel controller HP-UX Ultra 2 LVD single port Ultra 2 LVD dual port Ultra 3 LVD single port Ultra 3 LVD dual port LVD single port	743172876379 743172991447	129803-B21 154457-B21 A5149A A5150A A6828 A6829 A4999A
Rackmounting Kits	MSL5000 system RM kit (HP racks) MSL5026 TT-RM KIT, ProLiant Rack MSL5026 TT-RM KIT, Alpha/HP Rack Alpha Rail Kit	613326628423 720591734336 720591734312 720591166243	304826-B21 231894-B22 231894-B21 254795-001

Related Options

HP Openview Omniback Software	Omniback 4.1	
	Starter Packs	
	Cell Manager	B6961AA/ B6951AA
	Required once as starter pack; includes license-to-use, unlimited number of disk agents and media agents, one drive extension, libraries with up to 60 slots, CD-ROM media, manuals, and more; for Windows NT, 2000, XP/HP-UX	
	Drive Extensions	
	Drive License	B963AA
	License-to-use for one concurrently used backup drive; for Windows NT, 2000, XP/Novell NetWare/Linux	
	Drive License	B6953AA
	License-to-use for one concurrently used backup drive; for UNIX®, NAS, SAN	
	For the most up-to-date information, visit: http://openview.hp.com/products/omniback/specifications/	

Configuration Information

(for rackmount units only)

Step 1 – Select a Configuration

The list below is not intended to show all possible configurations, but to show some of the most common. In some cases, it is advantageous to utilize MSL5060 libraries in the scaled stack. Please refer to the HP StorageWorks MSL5060 Tape Library QuickSpecs for more details. The Ultrium MSL5000 series of libraries is scalable to 40U resulting in 16 drives and 240 slots.

IMPORTANT NOTE: Each library unit comes with a rack kit specially designed for HP 9000 & 10000 racks. If the unit is going to be installed into a HP Surestore System\E rack or an Alpha rack, then 1 rack mount kit per library unit must be purchased. Please utilize "STEP 2" of the configuration information

Common Scaled Configurations for MSL5000 Libraries

Direct Attach SCSI

Slots	Drives	Interface	Qty	Description	Product Number
60	2	SCSI	1	MSL5060L1 2-drive RM	301899-B22
			1	Rack kits	See step 2 for details
60	3	SCSI	1	MSL5060L1 2-drive RM	301899-B22
			1	MSL5000 Ultrium 230 add-on drives	301901-B21
			1	Rack kits	See step 2 for details
60	4	SCSI	1	MSL5060L1 2-drive RM	301899-B22
			2	MSL5000 Ultrium 230 add-on drives	301901-B21
			1	Rack kits	See step 2 for details
90	2	SCSI	1	MSL5030L1 2-drive RM	301897-B23
			1	MSL5060L1 0-drive RM	301899-B21
			1	Universal pass-thru mechanism	304825-B21
			1	5U pass-thru extender kit	231824-B22
			2	Rack kits	See step 2 for details
90	3	SCSI	1	MSL5030L1 1-drive RM	301897-B22
			1	MSL5060L1 2-drive RM	301899-B22
			1	Universal pass-thru mechanism	304825-B21
			1	5U pass-thru extender kit	231824-B22
			2	Rack kits	See step 2 for details
90	4	SCSI	1	MSL5030L1 2-drive RM	301897-B23
			1	MSL5060L1 2-drive RM	301899-B22
			1	Universal pass-thru mechanism	304825-B21
			1	5U pass-thru extender kit	231824-B22
			2	Rack kits	See step 2 for details
90	6	SCSI	1	MSL5030L1 2-drive RM	301897-B23
			1	MSL5060L1 2-drive RM	301899-B22
			2	MSL5000 Ultrium 230 add-on drives	301901-B21
			1	Universal pass-thru mechanism	304825-B21
			1	5U pass-thru extender kit	231824-B22
			2	Rack kits	See step 2 for details

Configuration Information

120	4	SCSI	2	MSL5060L1 2-drive RM	301899-B22
			1	Universal pass-thru mechanism	304825-B21
			1	10U pass-thru extender kit	231824-B22
			2	Rack kits	See step 2 for details
120	6	SCSI	2	MSL5060L1 2-drive RM	301899-B22
			2	MSL5000 Ultrium 230 add-on drives	301901-B21
			1	Universal pass-thru mechanism	304825-B21
			1	10U pass-thru extender kit	231824-B22
			2	Rack kits	See step 2 for details
120	8	SCSI	2	MSL5060L1 2-drive RM	301899-B22
			4	MSL5000 Ultrium 230 add-on drives	301901-B21
			1	Universal pass-thru mechanism	304825-B21
			1	10U pass-thru extender kit	231824-B22
			2	Rack kits	See step 2 for details

Common Scaled Configurations for MSL5000 Libraries

SAN or Direct Attach Fibre

Slots	Drives	Interface	Qty	Description	Product Number
60	2	Fibre Channel	1	MSL5060L1FC 2-drive RM	301899-B23
			1	Rack kits	See step 2 for details
60	3	Fibre Channel	1	MSL5060L1FC 2-drive RM	301899-B23
			1	MSL5000 Ultrium 230 add-on drives	301901-B21
			1	Rack kits	See step 2 for details
60	4	Fibre Channel	2	MSL5060L1FC 2-drive RM	301899-B23
			1	MSL5000 Ultrium 230 add-on drives	301901-B21
			2	Rack kits	See step 2 for details
90	2	Fibre Channel	1	MSL5030L1FC 2-drive RM	301897-B25
			1	MSL5060L1 0-drive RM	301899-B21
			1	Universal pass-thru mechanism	304825-B21
			1	5U pass-thru extender kit	231824-B22
			2	Rack kits	See step 2 for details
90	3	Fibre Channel	1	MSL5060L1FC 2-drive RM	301899-B23
			1	MSL5030L1FC 1-drive RM	301897-B24
			1	Universal pass-thru mechanism	304825-B21
			1	5U pass-thru extender kit	231824-B22
			2	Rack kits	See step 2 for details

Configuration Information

90	4	Fibre Channel	1	MSL5060L1FC 2-drive RM	301899-B23
			1	MSL5030L1FC 2-drive RM	301897-B25
			1	Universal pass-thru mechanism	304825-B21
			1	5U pass-thru extender kit	231824-B22
			2	Rack kits	See step 2 for details
90	6	Fibre Channel	1	MSL5060L1FC 2-drive RM	301899-B23
			1	MSL5030L1FC 2-drive RM	301897-B25
			1	Universal pass-thru mechanism	304825-B21
			1	5U pass-thru extender kit	231824-B22
			2	Rack kits	See step 2 for details
120	4	Fibre Channel	2	MSL5060L1FC 2-drive RM	301899-B23
			1	Universal pass-thru mechanism	304825-B21
			1	10U pass-thru extender kit	231824-B23
			2	Rack kits	See step 2 for details
120	6	Fibre Channel	2	MSL5060L1FC 2-drive RM	301899-B23
			2	MSL5000 Ultrium 230 add-on drives	301901-B21
			1	Universal pass-thru mechanism	304825-B21
			1	10U pass-thru extender kit	231824-B23
			2	Rack kits	See step 2 for details
120	8	Fibre Channel	2	MSL5060L1FC 2-drive RM	301899-B23
			4	MSL5000 Ultrium 230 add-on drives	301901-B21
			1	Universal pass-thru mechanism	304825-B21
			1	10U pass-thru extender kit	231824-B23
			2	Rack kits	See step 2 for details

Step 2 – Select the Appropriate Rack

Depending on the environment, different rack kits are required. Each rackmounted version of HP StorageWorks MSL5000 libraries includes a rack kit designed for HP/Compaq 9000, 10000 and millennium racks. If installing into these racks no additional kits are needed. If the environment is different, one of the following kits is necessary (one for each library in a stack)

Rackmounting Kits		UPC Code	Part Number
MSL5000 system/e RM kit (HP racks)		613326628423	254795-001

Technical Specifications

Control Panel	Library and Drive Status Move tape cartridges Load/Unload tape drives Maintenance (diagnostics) Library Configuration Statistics Inventory Check Security level set: operator, user, service Mail slot access Offline/Online Status Magazine removal/replacement
SCSI Interface	Ultra2 LVD SCSI, VHDCI interconnect
Form Factor	5U Rackmount Tabletop

Shipping Dimensions -

Product Only	Height – in (cm)	Width – in (cm)	Depth – in (cm)	Weight – lb (kg)
MSL5030 0 Drive, RM	8.75 (22.2)	17.00 (43.2)	30.00 (76.2)	43.0 (19.5)
MSL5030 1 Drive, RM	8.75 (22.2)	17.00 (43.2)	31.50 (80.0)	52.0 (23.6)
MSL5030 2 Drive, RM	8.75 (22.2)	17.00 (43.2)	31.50 (80.0)	61.0 (27.7)
MSL5030 1 Drive, TT	10.00 (25.4)	19.00 (48.3)	31.50 (80.0)	60.0 (27.2)
MSL5030 2 Drive, TT	10.00 (25.4)	19.00 (48.3)	31.50 (80.0)	69.0 (31.3)

Packaged

MSL5030 0 Drive, RM	15.25 (38.7)	23.00 (58.4)	38.25 (97.2)	75.0 (34.0)
MSL5030 1 Drive, RM	15.25 (38.7)	23.00 (58.4)	38.25 (97.2)	84.0 (38.1)
MSL5030 2 Drive, RM	15.25 (38.7)	23.00 (58.4)	38.25 (97.2)	93.0 (42.2)
MSL5030 1 Drive, TT	15.75 (40.0)	25.25 (64.1)	40.00 (101.6)	90.0 (40.8)
MSL5030 2 Drive, TT	15.75 (40.0)	25.25 (64.1)	40.00 (101.6)	99.0 (44.9)

Capacity (native)	MSL5030 base unit	3.0 TB
Performance (native)	15 MB/s per drive	
	MSL5030 base unit	Supports 1 or 2 LTO Ultrium 230 drives for native transfer rates up to 108 GB/hr
	Maximum configuration (8 modules with multi-unit scalability)	Supports up to 16 LTO Ultrium 230 drives for native transfer rates up to 864 GB/hr
Storage Capacity (compressed @ 2:1)	200 GB per cartridge	
	MSL5030 base unit	30 slots (including one mail slot), for compressed (2:1) capacity up to 6.0 TB
	Maximum configuration (8 modules with multi-unit scalability)	8 * 30 slots, for compressed (2:1) capacity up to 48 TB
Power Consumption	MSL5030 base unit	90 to 140V AC @47 to 63 Hz 176 to 259V AC @47 to 63 Hz
	Power requirement	180 Watts (typical) 200 Watts (maximum) 612 BTU's/hour (typical) 671 BTU's/hour (maximum)
Acoustic Noise	Noise Power Emission Level	8 bels, maximum
	Average sound pressure level	52 dBA

Technical Specifications

Robotics Performance	Initialization time	100 sec
	Inventory time	60 sec
	Cartridge swap (drive to slot)	15 sec average
Reliability	MTBF	250,000 hours (100% duty cycle) (excludes drives)
	MSBF	2,000,000 robot load/unload cycles
Product Safety Requirements and Approvals	Safety EN60950/IEC950, UL, CSA/cUL, CE, VDE/TUV, GOST, BSMI EMI, Class A FCC, C.I.S.P.R., ICES-003, CE, VCCI	
	Warranty	One-year warranty, one-year onsite next day service. Additional warranty protection can be purchased for all MSL5030 SDLT library products. NOTE: Certain restrictions and exclusions apply. Consult the Hewlett-Packard Customer Support Center for details.

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