

hp StorageWorks

ESL9000 series tape library
pre-installation site survey

Part Number: 243494-005

Fifth Edition (August 2002)



i n v e n t

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Site Survey

The following pre-installation site survey is required for installing an HP StorageWorks ESL9000 Series Tape Library for the following reasons:

- Advance planning is necessary to ensure that the library can be received, unpacked, moved to the installation site, and installed.
- ESL9198: When crated, the library weighs approximately 1220 pounds (553 kg) when fully populated with 8 tape drives. It occupies a footprint of 48 x 48 inches (122 cm x 122 cm) and is 80 inches (203 cm) tall.
- ESL9322: When crated, the library weighs approximately 1307 pounds (593 kg) when fully populated with 8 tape drives. It occupies a footprint of 48 x 52 inches (122 cm x 133 cm) and is 80 inches (203 cm) tall.
- ESL9326: When crated, the library weighs approximately 1650 pounds (748 kg) when fully populated with 16 tape drives. It occupies a footprint of 48 x 68 inches (122 cm x 173 cm) and is 80 inches (203 cm) tall.
- ESL9595: When crated, the library weighs approximately 1822 pounds (826 kg) when fully populated with 16 tape drives. It occupies a footprint of 48 x 71 inches (122 cm x 181 cm) and is 80 inches (203 cm) tall.
- The library is rated for 90-264 VAC~, 47-63 Hz, 16 A-8 A, 1600 W service (1200 W for the ESL9198).
- A dedicated outlet (Figure 1) and a 20 A circuit breaker must provide power to the library only. It is necessary to use a harmonized 3 x 1.5 mm² power cord that is approved by the associated country of use, and to install the appropriate wall outlet. For important safety information about hp products and power cords, refer to the *Important Safety Information* booklet.

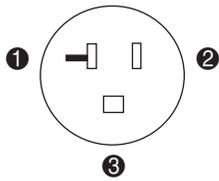


Figure 1. Wall outlet requirements for North America

- ① Neutral
- ② Line
- ③ Ground

NOTE: Wall outlet is a NEMA 5-20R rated 125 VAC 20 A. All ESL9000 libraries contain redundant power supplies. As a result, two wall outlets are required.

Site Information

Site Name: _____

Site Address: _____

Date: _____

Sales Reference #: _____

VAR: _____

Contacts

Contact	Name	Phone #	eMail
Customer 1:	_____	_____	_____
Customer 2:	_____	_____	_____
VAR SR:	_____	_____	_____
VAR FSE:	_____	_____	_____
HP SSR:	_____	_____	_____
HP Acct. Mgr.:	_____	_____	_____
HP FSE:	_____	_____	_____

Host System Information

Host system make and model: _____

Host system application software
and revision: _____

Host SCSI controller: _____

Type of data is to be stored
(database, video, exchange mail, etc.): _____

Type of industry that identifies the company
(financial, manufacturing, software, etc.): _____

Country in which the library to be operated: _____

Power cord that is required: _____

Receiving the Library (Physical Requirements)

NOTE: Refer to the *hp StorageWorks ESL9000 Series Tape Library Reference Guide* for related information that might be needed to answer the following questions.

	Site Ready	
	Yes	No
1. Is there a loading dock that is accessible by tractor-trailer?	<input type="checkbox"/>	<input type="checkbox"/>
2. Are a minimum of two people available to help uncrate the library?	<input type="checkbox"/>	<input type="checkbox"/>
3. Is there a location to store crating/packaging material for future use?	<input type="checkbox"/>	<input type="checkbox"/>
4. Are pallet jacks or moving dollies available?	<input type="checkbox"/>	<input type="checkbox"/>
5. Is there adequate space to uncrate the library?	<input type="checkbox"/>	<input type="checkbox"/>
6. Are tools for uncrating the library available?	<input type="checkbox"/>	<input type="checkbox"/>

Installation Route Requirements (Receiving Dock to Installation Site)

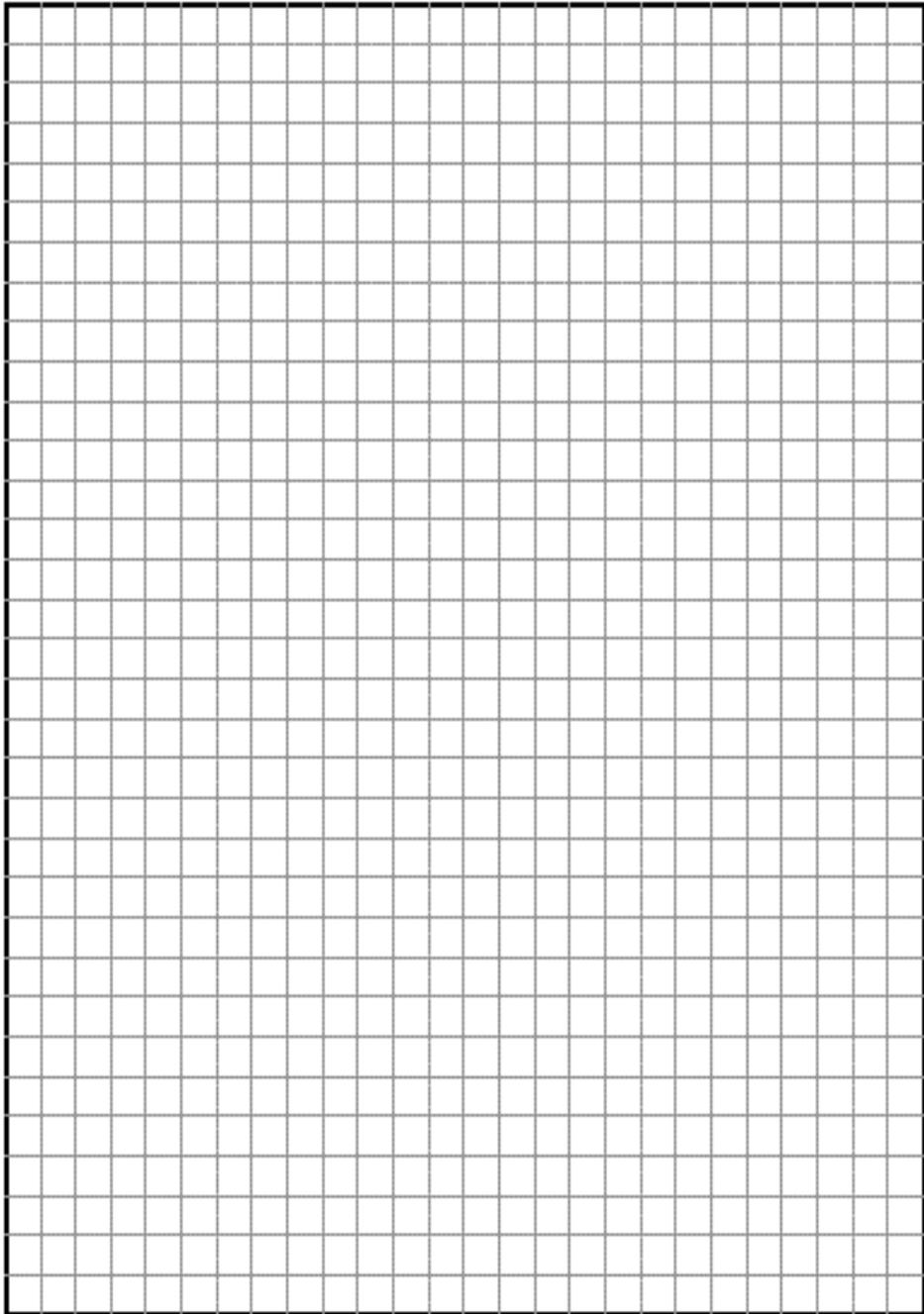
	Site Ready	
	Yes	No
1. Are the clearances of all doorways and elevators on the route adequate [must be greater than 80 inches (203.2 cm)]?	<input type="checkbox"/>	<input type="checkbox"/>
2. Is the route free of steps (no steps should exist along route)?	<input type="checkbox"/>	<input type="checkbox"/>
3. Will all flooring (route and installation site) support 250 lb/ft ² (1221 kg/m ²)?	<input type="checkbox"/>	<input type="checkbox"/>
4. Is the route free of carpet or obstacles that would impede caster movement?	<input type="checkbox"/>	<input type="checkbox"/>

Installation Requirements

	Site Ready	
	Yes	No
1. Are the correct number of dedicated host SCSI controllers available or on order (typical installation is one SCSI controller for every two tape drives)?	<input type="checkbox"/>	<input type="checkbox"/>
2. Has the SCSI ID scheme been reviewed with the customer?	<input type="checkbox"/>	<input type="checkbox"/>
3. Has the equipment location/arrangement been planned (power source/host/library/cabling)?	<input type="checkbox"/>	<input type="checkbox"/>
4. Is service and traffic clearance provided (ceiling height/sprinkler heads/cable racks)?	<input type="checkbox"/>	<input type="checkbox"/>
5. Has flooring tile cutout (for cabling, if required) been arranged?	<input type="checkbox"/>	<input type="checkbox"/>
6. Are SCSI cables available or on order?	<input type="checkbox"/>	<input type="checkbox"/>
7. Are SCSI connection kits for forward connectivity available or on order?	<input type="checkbox"/>	<input type="checkbox"/>

	Site Ready	
	Yes	No
8. Are all SCSI cables of the proper length (for HVD 65.6 feet (20M) or less, for LVD 32.8 feet (10M) or less without a SCSI extender module)?	<input type="checkbox"/>	<input type="checkbox"/>
9. Is a dedicated power source with the correct outlet available?	<input type="checkbox"/>	<input type="checkbox"/>
10. The library contains a redundant power supply. Are there two dedicated power sources with correct outlets available?	<input type="checkbox"/>	<input type="checkbox"/>
11. Is a bypass switch planned (Note: Only BBM type is approved for use with the library)?	<input type="checkbox"/>	<input type="checkbox"/>
12. Is emergency power-off capability provided?	<input type="checkbox"/>	<input type="checkbox"/>
13. Is the power disconnect (breaker panel or bypass switch) located within sight of the library (This is a National Electric Code requirement)?	<input type="checkbox"/>	<input type="checkbox"/>
14. Is the power source backed up by a generator UPS?	<input type="checkbox"/>	<input type="checkbox"/>
15. Are the temperature and humidity at the installation site controlled?	<input type="checkbox"/>	<input type="checkbox"/>
16. Has qualified application backup software been installed on the hosts?	<input type="checkbox"/>	<input type="checkbox"/>
17. If spares have been ordered, is spares storage space available?	<input type="checkbox"/>	<input type="checkbox"/>
18. Has access to the customer site been provided to complete this survey?	<input type="checkbox"/>	<input type="checkbox"/>

Using the grid on the following page, draw a map on the following page of the route the library will follow from the receiving dock to the installation site. Note any potential obstacles such as steps, ramps, carpet, thresholds, elevator size and weight ratings, raised floor weight ratings, and rough surfaces. Confirm the installation site selection is appropriate for the size and weight of the library.



Unusual Conditions

Note any unusual or detrimental conditions that exist at the installation site.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Contingency Plans

Note the question number and the contingency plan for each item in the survey for which you answered “No” (site not ready).

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

Site Status

1. This site has satisfied the survey requirements and is ready to receive a library.
2. There are [] open items before the requirements of this survey are satisfied.

