

H9A11 Marquee Cabinet Service Access - Certified Integration Partner (CIP) Advisory

EK-H9A11-CN. A01

Purpose of this CIP Advisory

The purpose of this document is to provide CIP users of the DIGITAL H9A11 MARQUEE cabinets with important information regarding methods of stabilizing the cabinet, and proper electrical connection.

Marquee Cabinets - Approved Options List

H9A11 MARQUEE cabinets are approved for service access only. Skilled service persons are required to extend stabilizer legs prior to extending any system box or other slide-mounted equipment, to know the proper disconnect procedures and to assure proper grounding is maintained in the presence of high leakage currents. Caution labels appear on the product to remind the service person of these requirements. Table 1 lists System Box, Storage Shelf, Peripherals and Accessories

Table 1 System Box, Storage Shelf, Raid Array 3000 and Tape Library Information

System Boxes:	AS800
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Location:	System boxes are typically mounted from the bottom up. See drawings B-IB-H9A11-2-0 at http://www.digital.com/alphaserver/products/m-series.html
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Storage Shelf	Typically BA356-SB/-SE, but any storage shelf using the BA35X-HH, 180W power supply (30-41819-xx) can be used. Only "Listed Accessories approved for use with 300 Series Storage Shelves" are permitted to appear within the shelf. Each device will have wording to this effect on its label.
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DS-SWXRA-GH, -GK, Raid Array 3000, consisting of Listed Accessory 70-33523-01, approved for use with UPS unit manufactured by Exide Electronics Inc., model PRC-1000a, or Listed Accessory, 70-33523-02, approved for use with the UPS unit manufactured by Exide, model PRC-1000i. UPS units are intended for this option and up to four storage shelves, as supported by this option. They do not replace H7600-xx

Location:	Storage shelves are typically mounted from the top of the cabinet down. They may be mounted back-to-back but only in accordance with drawings B-IB-H9A11-2-0. Storage shelves may also be mounted between system boxes (chimney blocks), but only with horizontal flushing fan assemblies mounted in every other rear position. See http://www.digital.com/alphaserver/products/m-series.html
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Table 1 System Box, Storage Shelf, Raid Array 3000 and Tape Library Information (cont.)

Peripherals	
Model	Location
DS-TL891	Tape Library may be mounted in any available position, but can not be counted as a system box for ballast purposes.
Accessories	
Model	Description
BA35C-AA/-BA	Single/Split Bus Storage Shelf (Blue)
BA35C-AA/-BA	Single/Split Bus Storage Shelf (Gray)
H3401-AB/-BB	Filler Panel, Rear, 1U, (Gray/Blue)
H3401-AC/-BC	Filler Panel, Rear, 2U, (Gray/Blue)
H3401-AD/-BD	Filler Panel, Rear, 3U, (Gray/Blue)
H3401-AE/-BE	Filler Panel, Rear, 4U, (Gray/Blue)
H3401-AF/-BF	Filler Panel, Rear, 5U, (Gray/Blue)
H3401-AG/-BG	Filler Panel, Rear, 6U, (Gray/Blue)
H9C11-EA	Cab Front Door Kit (Gray)
H9C11-EB	Cab Front Door Kit (Blue)
H9C11-MC	Ballast Weight Kit
2T-SW8XF-ER	Rear Panel Fan (240V)
2T-SW8XF-SR	Rear Panel Fan (120V)
3X-H7601-AA	6 Outlet Power Strip (120V)
3X-H76091-AB	6 Outlet Power Strip (240V)

MARQUEE Cabinet Requirements for Ballast Weight Kits

- The number of ballast kits required is determined by the number of system boxes.
- No substitutions allowed, except as noted within this document.
- Ballast kits are to be installed from the bottom up.
- See B-IB-H9A11-2-0 for details.
- On the Internet, see <http://www.digital.com/alphaserver/products/m-series.html> for details and installation.
- Refer to Table 2.

Table 2 Model H9A11 Cabinet Requirements for Ballast Weight Kits

The following table shows the type of system box and number of Ballast Kits required.

Model H9A11	Number of Ballast Kits Required
Number of System Boxes	AS800
1	1
2	None
3	None

Note: There is no mechanical interlock (to assure only one drawer is extended at a time) for H9A11. With the stabilizer legs fully extended, multiple drawers may be extended without incident.

Marquee Cabinet - AC Input Rules

H9A11 Marquee series cabinets come with a single H7600-AA (120V~) or a single H7600-DB (240V~) power distribution unit (PDU).

The H7600-AA is segmented into two circuits, each protected by a 15A circuit breaker.

J1, J2, J3 are one circuit and J4, J5 are another. Two AS800 system boxes can be plugged into the same segment, but only if nothing else is in that segment. (Note: AS800 is rated at 7A, but actually draws less).

The H7600-DB has all twelve outlets as a single circuit protected by a 16A circuit breaker.

Storage shelves with two power supplies should have both plugged into the same H7600-AA segment (for H7600-DB there's only one circuit).

RA3000 (DS-SWXRA-Gx) comes with its own UPS unit. Its controller shelf and each storage shelf have two power supplies. One supply should plug directly into the H7600-xx while the other plugs into the UPS. Nothing other than an RA3000 controller and (up to four) storage shelves should ever be plugged into this UPS. The UPS plugs into the H7600-xx. For H7600-AA, the UPS should plug into the same segment as the other RA3000 Power Supplies, leaving the other segment free for system boxes. Again, the H7600-DB has a single circuit, so where you plug things into it won't matter.

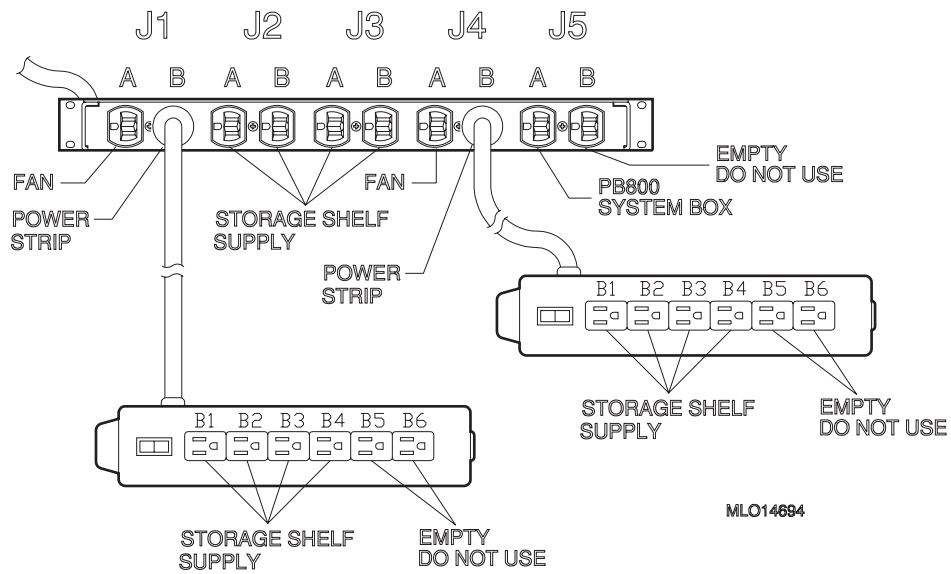
Table 3 AC Input Rules for the H9A11Marquee Cabinets

Model	VAC	Hz	Power Cord Amp
H9A11-MA,-MC w/H7600-AA	100-120VAC	50-60Hz	24A each power cord
H9A11-MB,-MD w/H7600-DB	220-240VAC	50-60Hz	12A each power cord

Marquee Cabinets - Maximum Plug Configurations

Refer to Figure 1 (H7600-AA, 100-120Vac) and Figure 2 (H7600-DB, 220-240Vac) for information on maximum plug configurations using power strips to support 2ea PB800 plus 12ea storage shelves, each with redundant (2) power supplies. Power supplies from the same shelf should be plugged in adjacent to each other (in pairs).

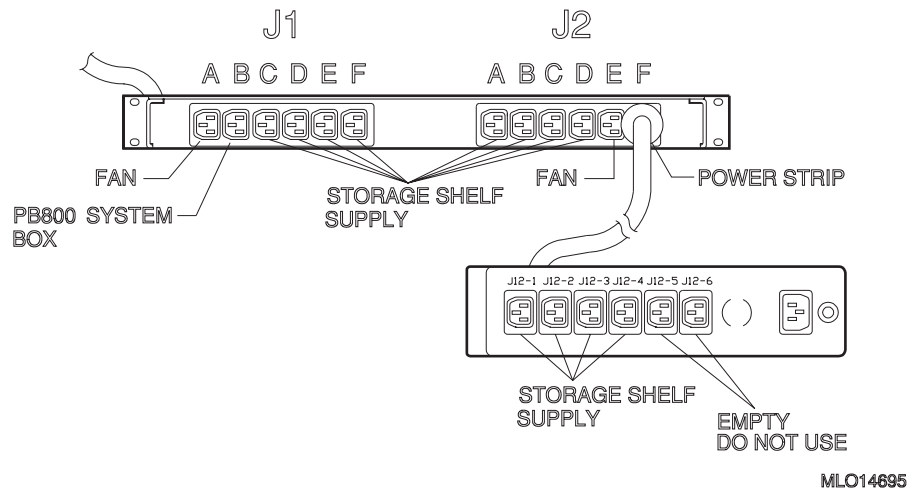
Figure 1 H7600-AA Plug Configurations



MLO14694

H7600-AA (100-120 Vac) w/H7601-AA Power Strip Assembly

Figure 2 H7600-DB Plug Configurations



H7600-DB (220-240 Vac) w/H7601-AB Power Strip Assembly

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