

2. DAILY MAINTENANCE

2.1 MAINTENANCE TOOLS

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See the Maintenance Manual of MR-S11.

2.2 REPLACING BATTERY

With the absolute position detection system, data are retained using the battery.

Battery is installed on the RF332 card.

Method of replacement is explained in the Maintenance Manual of MR-S11.

3. INSTALLATION AND ADJUSTMENT PROCEDURE

3.1 ENVIRONMENTAL CONDITIONS

See the Maintenance Manual of MR-S11.

3.2 INPUT POWER

- (1) Input voltage
AC200/220V +10%
-15%
- (2) Frequency: 50/60 Hz, 3 phase
- (3) Power consumption

Servo amplifier	Motor		Input kVA (1) at 100% output	Input A(2) at 170V, 100% output
	L axis	M axis(Note 1)		
MR-S12-13A	HA053/13	EA053/13	0.8	2.8
MR-S12-33A	HA23/33	EA23/33	1.2	4.2
MR-S12-40A	HA40/43	EA40/43	2.0	7.0
MR-S12-80B	HA80/43	EA40/43	2.6	9.1
MR-S12-80A	HA80/83	EA80/83	3.2	11
MR-S12-100B	HA100	EA80/83	4.3	15
MR-S12-100A	HA100	EA100	5.4	19

Note 1) The above table (1) will satisfy the thermal kVA capacity at the power supply. However, since the 2 to 3 times momentary power is required during acceleration of the motor, it should be of a small power fluctuation, which can ensure 170V to 242V at the terminals of the servo amplifier.

- 2) Current capacity of power supply must be in compliance with the above table (2).
- 3) When multiple axes are employed, add the power supply capacity per each additional axis.

[Example] Simultaneous 3 axes of HA80 + HA100 + HA300 → 10.2kVA 34.6A

- 4) For the selection of no-fuse breaker, refer to the explanation of specifications.

Input transformer

When the power supply voltage does not meet the above specifications, use the power supply transformer at the input side.