Specifications and Standard Wiring Diagram

Servo-amp specifications

Servo-amp model MR-J2S-			10B	20B	40B	60B	70B	100B	200B	350B	500B (Note 4)	700B (Note 4)	10B1	20B1	40B1
Servo-amp	Power- supply	Voltage/frequency (Note 1)	3- or 1-	3-phase 200 to 230V AC 50/60Hz or 1-phase 230V AC 50/60Hz (Note 2) 3-pha				3-phas	hase 200 to 230V AC 50/60Hz (Note 2)				1-phase 100 to 120V AC 50/60Hz		
		Permissible voltage fluctuation	3-phase 170 to 253V AC 50/60Hz or 1-phase 207 to 253V AC 50/60Hz 3-				3-p	3-phase 170 to 253V AC 50/60Hz				1-phase 85 to 127V AC 50/60Hz			
		Permissible frequency fluctuation	±5% max.												
	Control system		Sine-wave PWM control/current control system												
	Dynamic brake		Built-in (Note 3)												
	Speed frequency response		550Hz or more												
	Safety features		Overcurrent shutdown, regeneration overvoltage shutdown, overload shutdown (electronic thermal), servomotor overheat protection, encoder fault protection, regeneration fault protection, undervoltage/sudden power outage protection, overspeed protection, excess error protection												
	Maximum command input at the position control		Approximately 10M pps												
	Structure	Self-cooling, open (IP00)					Fan cooling, open (IP00)				Self-cooling, open (IP00)				
	Environ- ment	Ambient temperature	0 to 55°C (32 to 131°F) (non freezing), storage: -20 to 65°C (-4 to 149°F) (non freezing)												
		Ambient humidity	90% RH max. (non condensing), storage: 90% RH max. (non condensing)												
		Atmosphere	Inside control panel; no corrosive gas, inflammable gas, oil mist, or dust												
		Elevation	1000 meters or less above sea level												
		Oscillation	5.9 m/s² max.												
	Weight kg (lb)		0.7 (1.5)	0.7 (1.5)	1.1 (2.4)	1.1 (2.4)	1.7 (3.7)	1.7 (3.7)	2.0 (4.4)	2.0 (4.4)	(No	te 4)	0.7 (1.5)	0.7 (1.5)	1.1 (2.4)

Note: 1. Rated output capacity and rated speed of the servomotor used in combination with the servo-amp are as indicated when using the power-supply voltage and frequency listed The output capacity and speed of the servoritor used in combinator with the servor and are as indicated with using The output capacity and speed cannot be guaranteed when the power-supply voltage is less than specified. 2. When combined with a servomotor, torque characteristics are those in the case of 3-Phase 200–230V AC or 1-Phase 230V AC. 3. For products without a dynamic brake (MR-J2S-_B-ED and MR- J2S-_B1-ED), special compliance is possible.

4. Consult Mitsubishi for availability.

Standard wiring diagram

