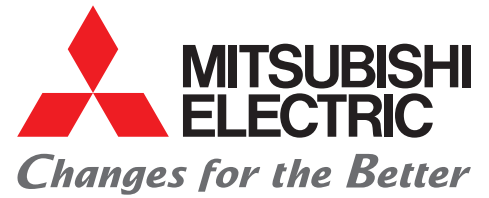




for a greener tomorrow



## Mitsubishi Electric AC Servo System 5 kW and 7 kW Are Newly Released

MITSUBISHI ELECTRIC SERVO SYSTEM  
**MELSERVO-J5**

**MR-J5 Series Servo Amplifiers 5 kW and 7 kW**  
**HK-ST Series Rotary Servo Motors 5 kW and 7 kW**

June 2020

**New Product Release**  
SV2006-3E

**CC-Link I E T S N**

**EtherCAT**



**Releasing 5 kW and 7 kW servo amplifiers and rotary servo motors, MR-J5 series covers a wide range of capacity from 50 W to 7 kW.**

### Product Lines

- **Servo amplifier**  
200 V class  
MR-J5-500G, MR-J5-700G, MR-J5-500A,  
MR-J5-700A
- **HK-ST series rotary servo motor**  
HK-ST\_W: HK-ST502W, HK-ST702W  
HK-ST\_4\_W: HK-ST7024W

### Features

- **Easy wiring and improved maintenance**  
The servo amplifiers use connectors for easy wiring and are equipped with a replaceable cooling fan unit. The rotary servo motors use the one-touch lock system which enables to mount connectors without tightening screws for the motor power, encoder, and electromagnetic brake cables.

# Mitsubishi Electric AC Servo System MELSERVO-J5

## Product List

### Servo amplifiers

Item		Model	Rated output	Main circuit power supply
Servo amplifier MR-J5-G	200 V	MR-J5-500G(-N1)	5 kW	3-phase 200 V AC to 240 V AC
	class	MR-J5-700G(-N1)	7 kW	283 V DC to 340 V DC
Servo amplifier MR-J5-G-RJ	200 V	MR-J5-500G-RJ(N1)	5 kW	3-phase 200 V AC to 240 V AC
	class	MR-J5-700G-RJ(N1)	7 kW	283 V DC to 340 V DC
Servo amplifier MR-J5-A	200 V	MR-J5-500A	5 kW	3-phase 200 V AC to 240 V AC
	class	MR-J5-700A	7 kW	283 V DC to 340 V DC
Servo amplifier MR-J5-A-RJ	200 V	MR-J5-500A-RJ	5 kW	3-phase 200 V AC to 240 V AC
	class	MR-J5-700A-RJ	7 kW	283 V DC to 340 V DC

### Rotary servo motors

Item		Flange size	Model	Rated output	Rated speed
HK-ST series B: With an electromagnetic brake	HK-ST_W	176 × 176	HK-ST502W(B)	5.0 kW	2000 r/min
			HK-ST702W(B)	7.0 kW	2000 r/min
	HK-ST_4_W	176 × 176	HK-ST7024W(B)	4.2 kW <sup>(Note 1)</sup>	1000 r/min <sup>(Note 1)</sup>

Notes: 1. This value is applicable when the servo motor is combined with a 200 V servo amplifier.

### Regenerative options

Contact your local sales office for regenerative options.

## Combinations of Rotary Servo Motors and Servo Amplifiers

○: Standard torque ◎: Torque increased

Rotary servo motor			Servo amplifier MR-J5_ (200 V)	
			MR-J5-500G, MR-J5-500A	MR-J5-700G, MR-J5-700A
HK-ST_W	176 × 176	HK-ST502W	○	◎ <sup>(Note 2)</sup>
		HK-ST702W	-	○
HK-ST_4_W	176 × 176	HK-ST7024W	○	○

Notes: 2. The rated speed is 1650 r/min when the torque is increased.

## Relevant Information

MELSERVO-J5 catalog (L(NA)03179ENG) is scheduled to be revised in August.

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### TRADEMARKS

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### SAFETY WARNING

To ensure proper use of the products listed in this document, please be sure to read the instruction manual prior to use.