

SANMOTION R

AC SERVO SYSTEMS

**ADVANCED
MODEL**

Multi-Axis AC Servo Amplifier with EtherCAT Interface

■ Applications

Injection molding machines, conveying machinery, and other devices



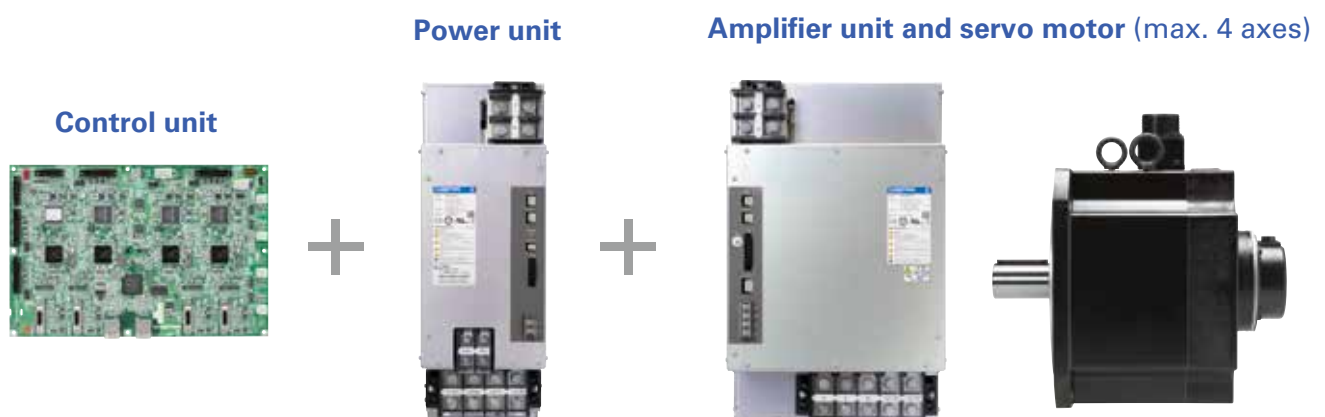
EtherCAT®

High-Speed Field-Bus EtherCAT Interface

EtherCAT is a field-bus system that allows 100Mbps high-speed and highly reliable communication.

Flexible System Configuration Saves Space

The multi-axis servo amplifier controls servo motors on up to 4 axes. Power and amplifier units can be selected to match the control unit and motor capacity to be used. To save space, choose the flexible arrangement that suits your equipment.



Energy-savings

Motor regenerative power can be used to power other motors. This conserves system energy.

Control Unit



Model no.	RM2C4H4
No. of axes	Up to 4 (EtherCAT Interface)
Device profile	CAN application protocol over EtherCAT (CoE)
Applicable encoder	Battery-less absolute / Single-turn absolute
Safety function	Safe torque-off function
Synchronization function	Each axes' encoder signal is fed back within the Control Unit for synchronous control of servo motors.
Dimensions (mm)	W285 × H190 × D17

Power Unit



Enclosure



Open Frame

Input power	Control power	Single-phase: 200 to 230 VAC (+10, -15%), 50/60 Hz (±3 Hz)
	Main circuit power	3-Phase: 200 to 230 VAC (+10, -15%), 50/60 Hz (±3 Hz)

Model no.	RM2PAA7R8	RM2PAA120	RM2PAA160
Input power capacity	13 kVA	20 kVA	27 kVA
Rated output	7.8 kW	12 kW	16 kW
Applicable amplifier unit	50 to 150 A	50 to 300 A	50 to 300 A
Shapes	Open Frame	Open Frame	Open Frame
Dimensions (mm)	W154 × H460 × D140	W154 × H460 × D140	W154 × H460 × D140

Model no.	RM2PAA270
Input power capacity	46 kVA
Rated output	30 kW
Applicable amplifier unit	50 to 600 A
Shapes	Enclosure
Dimensions (mm)	W150 × H460 × D295

Amplifier Unit



Enclosure



Open Frame

Input power	Control power	240 to 358 VDC
	Main circuit power	240 to 358 VDC

Model no.	RM2DAA050	RM2DAA100	RM2DAA150
Amplifier unit capacity	50 A	100 A	150 A
Applicable motor capacity	to 2.5 kW	to 5.0 kW	to 7.0 kW
Shapes	Open Frame	Open Frame	Open Frame
Dimensions (mm)	W154 × H460 × D171	W154 × H460 × D184	W154 × H460 × D184

Model no.	RM2DAA300	RM2DAB600
Amplifier unit capacity	300 A	600 A
Applicable motor capacity	to 15 kW	to 30 kW
Shapes	Open Frame	Enclosure
Dimensions (mm)	W164 × H460 × D186	W260 × H460 × D294