

SANMOTION R

AC SERVO SYSTEMS

**ADVANCED
MODEL**

400 VAC Multi-Axis
Servo Amplifier

EtherCAT
Conformance tested



Flexible and space-saving system configuration

Multiple amplifier units can be selected for combining with one power supply unit to build a multi-axis servo amplifier.
This flexibility allows you to configure the optimal servo amplifier for your needs while minimizing the footprint.

Control unit



EtherCAT (4-axis)



Analog (1-axis)



Power supply unit



16 kW



Amplifier unit, servo motor (4 max.)



75 A



High-speed EtherCAT fieldbus communication

With a 100 Mbps high-speed and highly reliable communication, the EtherCAT fieldbus* achieves smooth device operation.

It enables the real-time sharing of encoder position information within the control unit, increasing the precision of motor synchronous operation.

It also boosts the output of motors in parallel operation as well.

* Fieldbus is an all-digital, serial communications protocol used for communications among field devices and to the controller.

Eco-efficient

Motor regenerative power can be used to drive other motors, contributing to improving device energy efficiency.

Control unit



EtherCAT 4-axis



Analog 1-axis

Model no.	RM2C4H4	RM2C1A0
No. of controlled axes	Up to 4	1
Interface	EtherCAT interface	Analog interface
Safety function	Safe Torque Off function	None
Dimensions (mm)	285 (W) X 190 (H) X 15 (D)	80 (W) X 180 (H) X 17 (D)

Power supply unit



16 kW

Model no.	RM2PCA160
Input power supply voltage, current	Main circuit power supply: 3-phase 380 to 480 VAC (-15%, +10%), 50/60 ± 3 Hz
	Control circuit power supply: 24 VDC ± 15%, 3.4 A
Rated output capacity	16 kW
Input power capacity	27 kVA
Compatible amplifier unit capacity	25 to 150 A
Frame shape	Open frame
Dimensions (mm)	184 (W) X 380 (H) X 168 (D)

Amplifier unit



75 A



150 A

Model no.	RM2DCA025	RM2DCA050	RM2DCA075	RM2DCA150
Input power supply voltage, current	Main circuit power supply: 457 to 747 VDC			
	Control circuit power supply: 24 VDC ± 15%, 1.3 A			
Amplifier capacity	25 A	50 A	75 A	150 A
Compatible motor output	0.55 to 2 kW	1 to 3.5 kW	3.5 to 5.5 kW	5.5 to 15 kW
Compatible encoder	Battery-less optical absolute encoder			
Frame shape	Open frame			
Dimensions (mm)	154 (W) X 380 (H) X 166 (D)			194 (W) X 380 (H) X 168 (D)

■ Precautions For Adoption



Failure to follow the precautions on the right may cause moderate injury and property damage, or in some circumstances, could lead to a serious accident. Always follow all listed precautions.

⚠ Cautions

- Read the accompanying Instruction Manual carefully prior to using the product.
- If applying to medical devices and other equipment affecting people's lives, please contact us beforehand and take appropriate safety measures.
- If applying to equipment that can have significant effects on society and the general public, please contact us beforehand.
- Do not use this product in an environment where vibration is present, such as in a moving vehicle or shipping vessel.
- Do not perform any retrofitting, re-engineering, or modification to this equipment.
- The products presented in this catalog are meant to be used for general industrial applications. If using for special applications related to aviation and space, nuclear power, electric power, submarine repeaters, etc., please contact us beforehand.

*For any question or inquiry regarding the above, contact our Sales Department.

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