SANMOTION R
AC SERVO SYSTEMS

400 VAC Multi-Axis Servo Amplifier

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

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
Power supply unit
Amplifier unit, servo motor (4 max.)

EtherCAT (4-axis) + Analog (1-axis) + 16 kW + 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.

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### Power supply unit

<table>
<thead>
<tr>
<th>Model no.</th>
<th>RM2PCA160</th>
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</table>
| **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) |

### Cautions

- **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.

### Amplifier unit

<table>
<thead>
<tr>
<th>Model no.</th>
<th>RM2DCA025</th>
<th>RM2DCA050</th>
<th>RM2DCA075</th>
<th>RM2DCA150</th>
</tr>
</thead>
</table>
| **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) |