

400V SERVO MOTOR AND AMPLIFIER LINEUP

SANYO DENKI's SANMOTION Servo Systems, designed for precision control, operate efficiently at 400V input, offering diverse kW ranges, frame sizes, Safe Torque Off (STO), and a standard control voltage of 24VDC.



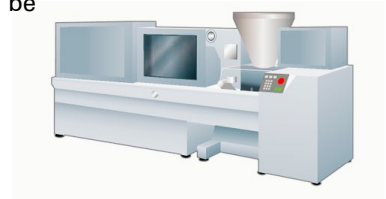
KEY SPECIFICATIONS

- Rated Power Range: 550W ~ 55kW
- Frame size: 100mm sq. ~ 320mm sq.
- Safe Torque Off (STO)
- Control Voltage: 24VDC
- Main voltage: 380 ~ 480VAC input / 3 ϕ
- Current Range: 25 ~ 800A
- On-board 5-digit LED Display
- EtherCAT Connectivity Optional

TARGET APPLICATIONS

With the high-precision and accurate positioning features, SANMOTION R 400V is suitable to be used in various industrial applications.

- Injection Molding Machine
- Machine Tools
- Machining Centers
- Semiconductor Equipment
- Water Jet Cutting Machines, etc.



Injection molding machine

SERVO AMPLIFIERS

SANMOTION R 3E Model

Analog/Pulse Input Type

This is a highly responsive AC servo amplifier that optimizes performance, energy efficiency, and ease of use.

Lineup: 25, 50, 100, 150, 300, 800 A



EtherCAT Interface Type

With a 62.5 μ s minimum communication cycle, the high-speed EtherCAT fieldbus subdivides position commands, realizing smoother operation of devices. It can be used together with our controller SANMOTION C EtherCAT Interface type.

Lineup: 25, 50, 100, 150, 300, 800 A



Built-in Positioning Function (Parallel or Serial) Type

The need for a positioning control unit is eliminated, simplifying the system.

Lineup: 25, 50, 100, 150, 300, 800 A



Functional Safety Type (with functional safety module)

Analog/Pulse **EtherCAT** **Built-in Positioning**

With the functional safety expansion, this amplifier can be used with confidence for equipment and robots to facilitate a safer operation and maintenance procedures.

Functional safety functions defined in IEC/EN 61800-5-2:2016: STO (Safe Torque Off), SS1 (Safe Stop 1), SS2 (Safe Stop 2), SOS (Safe Operating Stop), SLS (Safely-Limited Speed), SBC (Safe Brake Control), and SSM (Safe Speed Monitor).



SERVO MOTORS

R2 Servo Motor: Medium inertia

100mm sq. 130mm sq. 180mm sq. 220mm sq.
275mm sq. 320mm sq.

Ideal for robots, injection molding machine, and general industrial machines, where inertia matching is critical for heavier loads.



R1 Servo Motor: Low inertia

100mm sq. 130mm sq. 180mm sq. 220mm sq.

Low inertia servo motor features high-acceleration drive and high torque with high-rotational speed. Ideal for injection molding machine and general industrial machines that requires high throughput.



SANMOTION R 400V LINEUP CATALOG



Contact Us



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