

The ideal servo family for motion control

# W-SERIES

for decentralised solutions



Advanced Industrial Automation

**OMRON**



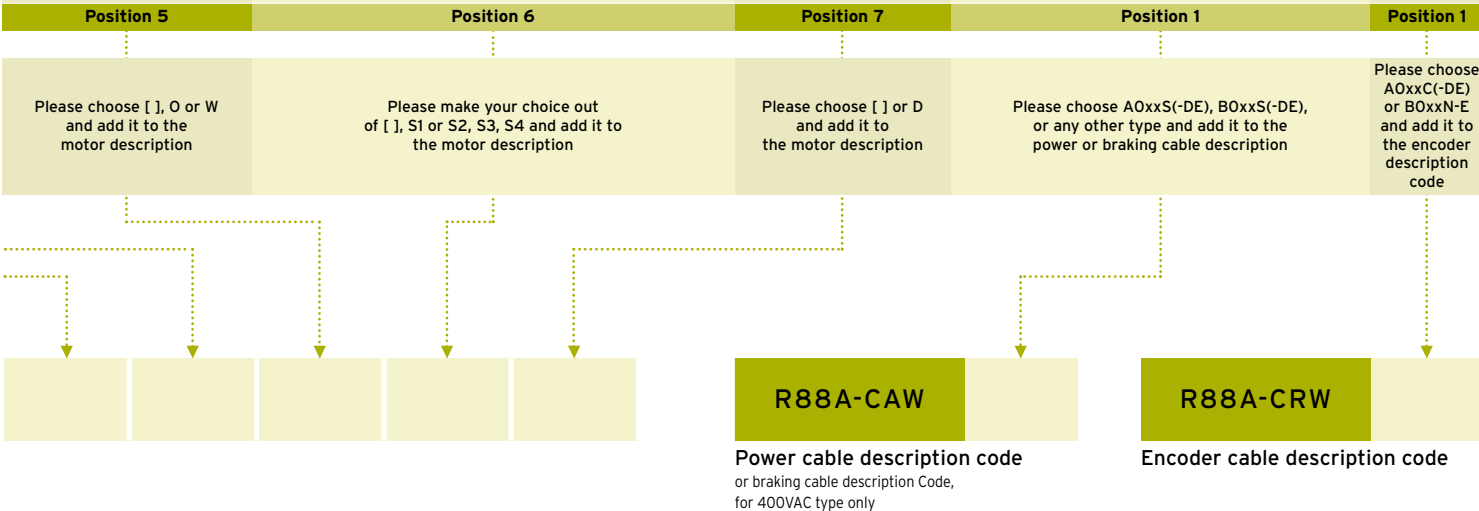
Omron's W-series of servo systems is designed to provide superior motion control for both the speed and position of your machine's moving parts. Based around a 32-bit RISC processor, each servo system features fast current and speed regulation and an on-line auto-tuning function. This constantly adapts the control parameters to changing load conditions during operation to provide unprecedented dynamic performance. With these features Omron's servo systems meet the most demanding requirements of today's precision industrial applications, including packaging systems, tool making machines, semiconductor pick-and-place installations and PCB drilling machines and routers.

## Omron's W-series When reliability and size matters



With the W-series you can choose from a comprehensive range of servo motors, from 230V single- and three-phase to 400V three-phase; from 1000 rpm's to 6000 rpm's, and in power ratings from 30W - 15kW. In addition, Omron offers a wide range of power cables, drivers and filters for optimum operation. All W-series models conform to CE, UL, cUL and other standards for international use.





Please note that xx= 03, 05, 10, 15 or 20 (referring to the cable length in metres)

The R88A-CAWxxxx-DE and R88A-CRWxxxx-DE types are used in combination with the R88M-Wxxxxxx-D types

These -DE cables (manufactured by Hypertac/Interconnectron) have IP67 connectors and flexible cable which can be used for example for cable carrier systems

The -DE' type cables and belonging motors will be standard stock items

# Drivers and filters

| CODE                                                     | MAXIMUM MOTOR WATTAGE | HIGH SPEC DRIVER | SINGLE PHASE 230VAC                                             | THREE PHASE 400VAC | FILTER TYPE SINGLE PHASE 230VAC                                                                                                    | FILTER TYPE THREE PHASE 400VAC |
|----------------------------------------------------------|-----------------------|------------------|-----------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| A3                                                       | 30W                   | H                | [ ]                                                             | -                  | 104-E                                                                                                                              | -                              |
| A5                                                       | 50W                   | H                | [ ]                                                             | -                  | 104-E                                                                                                                              | -                              |
| 01                                                       | 100W                  | H                | [ ]                                                             | -                  | 104-E                                                                                                                              | -                              |
| 02                                                       | 200W                  | H                | [ ]                                                             | -                  | 104-E                                                                                                                              | -                              |
| 04                                                       | 400W                  | H                | [ ]                                                             | -                  | 107-E                                                                                                                              | -                              |
| 05                                                       | 500W                  | H                | -                                                               | F                  | -                                                                                                                                  | 4006-E                         |
| 08                                                       | 750W                  | H                | H                                                               | -                  | 115-E                                                                                                                              | -                              |
| 10                                                       | 1000W                 | H                | -                                                               | F                  | -                                                                                                                                  | 4006-E                         |
| 15                                                       | 1500W                 | H                | H                                                               | F                  | 125-E                                                                                                                              | 4006-E                         |
| 20                                                       | 2000W                 | H                | -                                                               | F                  | -                                                                                                                                  | 4010-E                         |
| 30                                                       | 3000W                 | H                | -                                                               | F                  | -                                                                                                                                  | 4010-E                         |
| 50                                                       | 5000W                 | H                | -                                                               | F                  | -                                                                                                                                  | 4020-SE                        |
| 60                                                       | 6000W                 | H                | -                                                               | F                  | -                                                                                                                                  | 4030-SE                        |
| 75                                                       | 7500W                 | H                | -                                                               | F                  | -                                                                                                                                  | 4030-SE                        |
| 110                                                      | 11000W                | H                | -                                                               | F                  | -                                                                                                                                  | 4055-SE                        |
| 150                                                      | 15000W                | H                | -                                                               | F                  | -                                                                                                                                  | 4055-SE                        |
| Code 1                                                   |                       | Code 2           | Code 3                                                          |                    | Code 1                                                                                                                             |                                |
| Please choose A3, A5 or any other out of the colon CODE1 |                       | Please choose H  | Please choose [ ] , H or F and add it to the driver description |                    | Please choose 104-E, 107-E, 115-E, 125-E, 4006-E or 4010-E, 4020-SE, 4030-SE or 4055-SE and add it to the noise filter description |                                |

R88D-WT

## Driver description rule

- not applicable  
[ ] blank in description

R88A-FIW

## Noise filter description rule

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