

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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- Inverter drives
- Motion control

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- Programmable relays
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- Power supplies
- Temperature & process controllers
- Solid-state relays
- Panel indicators
- Level controllers

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- Photoelectric sensors
- Proximity sensors
- Rotary encoders
- Vision systems
- RFID systems
- Safety switches
- Safety relays
- Safety sensors

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