

Profile

PRODUCT

W-Series Stainless Steel Washdown Brushless Servo Motors

Overview

W-Series stainless steel washdown brushless servo motors provide low inertias for fast acceleration and a rugged design especially suited for food processing environments. Available in two frame sizes, the W-Series motors range in continuous torque capability from 1.7 to 7.2 N-m (15 to 64 lb-in) and speeds up to 3000 rpm. These motors are compatible with all 230V Ultra products including the Ultra3000, Ultra5000 and ULTRA 100/200.

Features

W-Series motor features:

- ◆ All exposed motor parts are 300 series stainless steel with Teflon® or Viton® seals for compliance with most food industry standards.
- ◆ Neodymium-iron-boron permanent magnet rotors provide low inertias for fast accelerations.
- ◆ Internal thermal switch indicates overheating.
- ◆ Motor mounted optical encoder includes 2000 quadrature pulses and index pulse.
- ◆ Economical, compact design for harsh or high hygiene environments.

Typical Applications

- ◆ Food processing or food handling
- ◆ Corrosive chemical environment
- ◆ Hygiene or washdown applications



Catalog
Numbers

W-xxxx-P-H00AA	Above Food Line, Teflon Shaft Seal
W-xxxx-P-H00AB	Below Food Line, Viton Shaft Seal
W-xxxx-M-H00AA	Above Food Line, Teflon Shaft Seal
W-xxxx-M-H00AB	Below Food Line, Viton Shaft Seal



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Specifications

Catalog Number	Rotor Inertia kg-m ²	Continuous Stall Torque Nm (lb-in.)	Peak Torque Nm (lb-in.)	Rated Speed rpm
W-3016-N-H00AA	0.00080	1.7 (15.0)	6.8 (60.0)	3000
W-3016-N-H00AB	0.00080	1.7 (15.0)	6.8 (60.0)	3000
W-4030-M-H00AA	0.00025	2.8 (25.0)	6.8 (60.0)	3000
W-4030-M-H00AB	0.00025	2.8 (25.0)	6.8 (60.0)	3000
W-4030-P-H00AA	0.00025	2.8 (25.0)	8.3 (73.0)	3000
W-4030-P-H00AB	0.00025	2.8 (25.0)	8.3 (73.0)	3000
W-4050-P-H00AA	0.00046	5.4 (48.0)	21.5 (190.0)	3000
W-4050-P-H00AB	0.00046	5.4 (48.0)	21.5 (190.0)	3000
W-4075-R-H00AA	0.00068	7.2 (64.0)	30.5 (270.0)	3000
W-4075-R-H00AB	0.00068	7.2 (64.0)	30.5 (270.0)	3000

For more information refer to our web site: www.ab.com/motion

www.rockwellautomation.com

Corporate Headquarters

Rockwell Automation, 777 East Wisconsin Avenue, Suite 1400, Milwaukee, WI, 53202-5302 USA, Tel: (1) 414.212.5200, Fax: (1) 414.212.5201

Headquarters for Allen-Bradley Products, Rockwell Software Products and Global Manufacturing Solutions

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe: Rockwell Automation SA/NV, Vorstlaan/Boulevard du Souverain 36-BP 3A/B, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, 27/F Citicorp Centre, 18 Whitfield Road, Causeway Bay, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Headquarters for Dodge and Reliance Electric Products

Americas: Rockwell Automation, 6040 Ponders Court, Greenville, SC 29615-4617 USA, Tel: (1) 864.297.4800, Fax: (1) 864.281.2433

Europe: Rockwell Automation, Brühlstraße 22, D-74834 Elztal-Dallau, Germany, Tel: (49) 6261 9410, Fax: (49) 6261 17741

Asia Pacific: Rockwell Automation, 55 Newton Road, #11-01/02 Revenue House, Singapore 307987, Tel: (65) 351 6723, Fax: (65) 355 1733