

NEW!

Advanced Automation with AMS Servo Systems

HeiMotion Brushless AC Servo Motors with the New H Drive

Allied Motion's new AMS (Allied Motion System) servo packages mate our HeiMotion brushless AC servo motors with our new H Drive servo drive module to provide outstanding servo motion performance for robot, medical, industrial and automation applications.

The ranges of rated performance available with the AMS packages is impressive:

- Rated shaft power from 110 up to 1950 W
- Rated (S1) torque from 0.1 up to 5.5 Nm
- Rated speed from 2000 up to 9000 RPM

AMS servo system packages offer the right performance ranges to more than cover the sweet spot of modern servo system applications.



Flexibility for the design engineer is built into the AMS line-up. There are drive interface and communication options from traditional ± 10 V analog to CANopen over EtherCAT, and a complement of 13 drive I/O is standard.

There are options for motor feedback, including resolver, encoder and Hiperface DSL. And there are additional motor configuration options like holding brakes and connector choices that enable engineers to quickly and easily define exactly the servo system they need from standard selections.

Need a custom AMS version? Or a version with a gearbox. That's not an issue. Contact Allied's application team today, and we'll help you select the right motion solution that will change the game.

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HeiMotion + H-Drive – Performance

H Drive	HDA-208-17
Mains	230VAC, 3-Phase

HeiMotion Motor	Rated (Nominal) Power (W)	Rated (Nominal) Torque (Nm, S1)	Peak Torque (Nm, 2 sec)	Rated (Nominal) Speed (RPM)	Motor Inertia (kg-cm ²)
AMS-HMD06-005-320-30	150	0.5	1.3	3000	1.48E-01
AMS-HMD06-005-320-60	250	0.4	1.3	6000	1.48E-01
AMS-HMD06-010-320-30	225	0.7	2.5	3000	2.00E-01
AMS-HMD06-010-320-60	350	0.6	2.5	6000	2.00E-01
AMS-HMD06-015-320-30	400	1.3	3.8	3000	3.10E-01
AMS-HMD06-015-320-60	550	1.0	3.8	6000	3.10E-01
AMS-HMD06-020-320-30	550	1.8	5.0	3000	4.50E-01
AMS-HMD06-020-320-60	800	1.4	5.0	6000	4.50E-01
AMS-HMD08-020-320-30	500	1.6	5.0	3000	6.63E-01
AMS-HMD08-020-320-55	750	1.3	5.0	5500	6.63E-01
AMS-HMD08-028-320-30	750	2.4	7.0	3000	9.30E-01
AMS-HMD08-028-320-55	1000	1.7	7.0	5500	9.30E-01
AMS-HMD08-035-320-30	1000	3.2	8.8	3000	1.20E+00
AMS-HMD08-035-320-55	1200	2.1	8.8	5500	1.20E+00
AMS-HMD08-050-320-30	1500	4.8	12.5	3000	1.73E+00
AMS-HMD08-050-320-55	1650	2.9	12.5	5500	1.73E+00
AMS-HMD08-060-320-30	1750	5.5	15.0	3000	2.25E+00
AMS-HMD08-060-320-55	1950	3.4	15.0	5500	2.25E+00
AMS-HMP04-002-320-90	110	0.1	0.7	9000	3.00E-02
AMS-HMP04-004-320-90	200	0.2	1.4	9000	5.40E-02
AMS-HMP06-007-320-30	200	0.6	2.8	3000	2.20E-01
AMS-HMP06-007-320-60	325	0.5	2.8	6000	2.20E-01
AMS-HMP06-015-320-30	400	1.2	6.0	3000	4.13E-01
AMS-HMP06-015-320-60	550	0.9	6.0	6000	4.13E-01
AMS-HMP08-028-320-30	750	2.4	11.2	3000	1.40E+00
AMS-HMP08-028-320-55	1000	1.7	11.2	5500	1.40E+00
AMS-HMP08-035-320-30	1000	3.2	14.0	3000	1.93E+00
AMS-HMP08-035-320-55	1200	2.1	14.0	5500	1.93E+00
AMS-HMP13-055-320-20	1000	4.8	22.0	2000	9.82E+00
AMS-HMP13-055-320-36	1500	4.0	22.0	3600	9.82E+00

North America

Allied Motion Technologies NASC
 495 Commerce Drive, Ste 3
 Amherst, NY 14228 USA
 +1 (716) 242-7535
 inquiry@alliedmotion.com

Europe

Allied Motion Technologies EUSC
 Ekbacksvägen 26, PO Box 11198
 S-161 11 Bromma, Sweden
 +46 (8) 546 111 00
 inquiry@alliedmotion.com

Asia

Allied Motion Technologies ASC
 Bldg. 19, Guozhan Electrical &
 Mechanical Industrial Park
 538 Hehai West Road, Xinbei District
 Changzhou 213125 China
 +852 2607 4038
 inquiry@alliedmotion.com