

ELECTRIC LINEAR SERVO ACTUATION SOLUTION



Moog's Electric Linear Servo actuation solution employ Moog's innovative, state of the art servo drives, MG servo actuators and the necessary accessories. All of the products are optimized to work together to provide the highest level of performance and accuracy.

Moog's depth of motion control expertise provides you with a solution unique to your machine needs. The majority of the work has been engineered in advance so that with minimal effort the system can be easily implemented in your application.

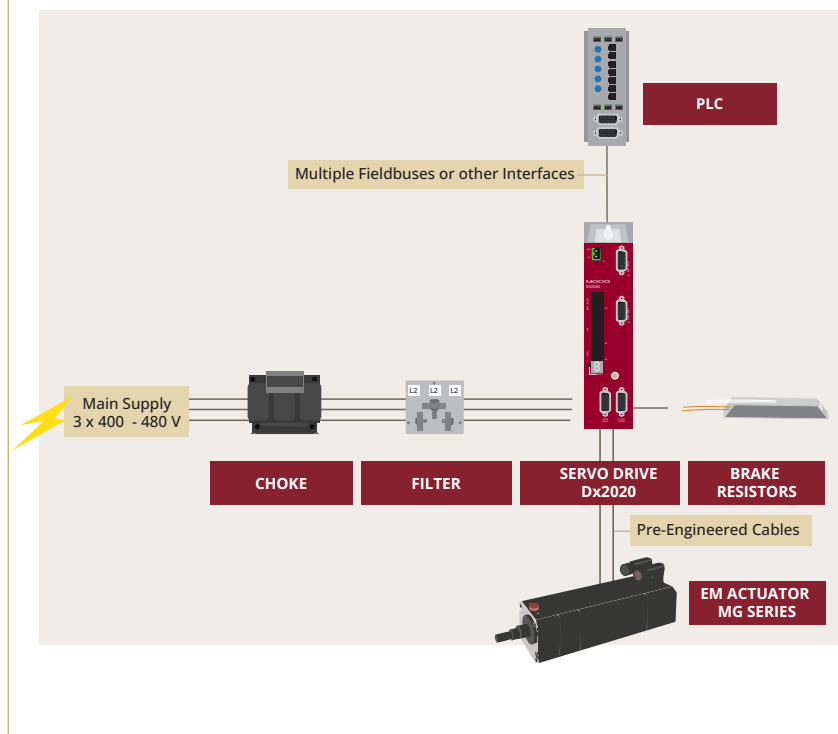
We deliver highly reliable solutions to a variety of applications ensuring high level of reliability, flexibility and accuracy in demanding environment.

MG SERIES SERVO ACTUATORS

The MG Series servo actuators deliver smooth and accurate movement and long operational life even with high payloads and peak forces. By redesigning the MG Series actuator's mechanics, Moog is delivering higher maximum overload forces while keeping the same compact dimensions.



ELECTRIC LINEAR SERVO ACTUATION SOLUTION



SINGLE-AXIS DRIVES DS2020 SERIES

Ultra Compact Single-Axis Servo Drive

Standalone servo drive with integrated power supply, Specifically designed with extremely compact dimensions for space saving.



MULTI-AXIS DRIVES DM2020 SERIES

Digital Multi-Axis Servo Drive

Modular design drive platform, single and double axis modules, with shared power supply. About 50% more compact than a comparable standalone configuration.



SPECIFICATIONS

SOLUTION PACKAGE FOR CONTINUOUS OPERATION

Actuator Model	Stroke [mm]	Maximum speed @ no load [mm/s]	F ₀ [N]	I ₀ current [A _{rms}]	DS2020	DM2020 lcont/lpk	Accessories	
							Power cable	Filter
MG404F	80	333	1,370	1.84	CH1-02-Tx-A-00	02/04	CVMPxx 2020 21	AT6065
MG406G	115		2,260	3.06	CH1-04-Tx-A-00	04/08		
MG408H	140		3,620	3.66				
MG504G	130	213	6,290	6.12	CH1-06-Tx-A-00	08/16	CVMPxx 2030 31	AT6065 AT6066
MG506K	175		9,470	6.57				
MG508V	220		12,400	7.56	CH1-08-Tx-A-00	08/16		
MG633I	95	250	8,480	6.78	CH1-12-Tx-A-00	16/32	CVMPxx 2030 41	AT6066
MG635L	145		15,830	9.87				
MG638L	220		26,200	16.30				
MG904I	300	333	21,090	29.10	CH1-32-Tx-A-00	32/64	CVMPxx 3030 51	AT6067
MG906L	375		33,310	32.80			CVMPxx 3030 61	AT6067
MG908N	425		39,750	32.20				AT6069
MG1004R	260	254	17,910	11.20	CH1-12-Tx-A-00	16/32	CVMPxx 3030 31	AT6066
MG10090	385		45,710	38.50	CH1-48-Tx-A-00	48/96	CVMPxx 3030 61	AT6069

SOLUTION PACKAGE FOR PEAK OPERATION

Actuator Model	Stroke [mm]	Maximum speed @ no load [mm/s]	F _{max} [N]	I _{max} current [A _{rms}]	DS2020	DM2020 lcont/lpk	Accessories	
							Power cable	Filter
MG404F	80	333	5,990	8.45	CH1-04-Tx-A-00	04/08	CVMPxx 2020 21	AT6065
MG406G	115		11,400	14.10	CH1-08-Tx-A-00	08/16		
MG408H	140		14,500	15.90				
MG504G	130	213	28,560	34.00	CH1-16-Tx-A-00	16/32	CVMPxx 2030 31	AT6066
MG506K	175		34,000	26.00				
MG508V	220		34,000	21.50	CH1-12-Tx-A-00	16/32		
MG633I	95	250	37,700	35.60	CH1-24-Tx-A-00	24/48	CVMPxx 2030 31	AT6066
MG635L	145		50,000	32.70	CH1-16-Tx-A-00	16/32	CVMPxx 2030 41	AT6066
MG638L	220		50,000	31.50				
MG904I	300	333	59,380	120.00	CH1-70-Tx-A-00	64/128	CVMPxx 3030 51	AT6070
MG906L	375		86,000	96.40	CH1-48-Tx-A-00	48/96	CVMPxx 3030 61	AT6069
MG908N	425		86,000	74.10				
MG1004R	260	254	71,630	57.50	CH1-32-Tx-A-00	32/64	CVMPxx 3030 31	AT6067
MG10090	385		170,000	167.00	CH1-70-Tx-A-00	96/192	CVMPxx 3030 61	AT6070

Notes:

Chokes/brake resistor is application dependent. Please contact Moog application team for support.

Feedback device cables - resolver cable: CVM Sxx 4040 07, encoder cable: CVM-Sxx-5030-03.

Power supply for DM2020 according to sizing.

Connector kits need to be order separately according to the drive catalog. Please contact Moog application team for support.

For more information visit www.moog.com
or email us em-motioncontrol@moog.com

Moog is a registered trademark of Moog Inc. and its subsidiaries. All trademarks as indicated herein are the property of Moog Inc. and its subsidiaries.
©2023 Moog Inc. All rights reserved. All changes are reserved.

Moog Linear Servo Actuators Solution Leaflet
MCM/Rev-, November 2023, Id CDL67687-en

This technical data is based on current available information and is subject to change at any time. Specifications for specific systems or applications may vary.