

Elwood High Performance Motors

SX Series (Hazardous Location Rated Servo Motors) Cross-Reference to Rockwell Automation MPL Series Servo Motors

Please consider the following cross-reference for guidance only. The information below does not consider application specific requirements. Every application and axis should be carefully reviewed by qualified personnel against specifications for performance, reliability, safety, and compliance to applicable laws and regulations.

Mounting dimensions often differ between servo motor series and manufacturers. This cross-reference does not consider mechanical dimensions of the motors. While the cross-referenced motors are similar, physical size and mounting dimensions are likely different and must be considered when using an SX series motor as a replacement for another motor.

In addition to the information below, Elwood's SX Series motors are available for sizing in [Rockwell Automation's Motion Analyzer](http://www.rockwellautomation.com/motion/analyzer) software. Please refer to our website, www.elwood.com/gettys_sx.shtml, or contact Elwood Corporation with any questions.

MPL Model	Rated Speed (RPM)	Continuous Stall Torque (Nm)	Peak Torque (Nm)	Rotor Inertia (kg-m ²)	Continuous Stall Current (0-pk)	Elwood SX Model	Rated Speed (RPM)	Continuous Stall Torque (Nm)	Peak Torque (Nm)	Rotor Inertia (kg-m ²)	Continuous Stall Current (0-pk)
230V Motors											
MPL-A1510V	8000	0.3	0.8	0.000007	1.1	M431-N	5500	1.2	3.5	0.00007	3.9
MPL-A1520U	7000	0.5	1.6	0.000013	1.8	M431-N	5500	1.2	3.5	0.00007	3.9
MPL-A1530U	7000	0.9	2.8	0.000023	2.8	M431-N	5500	1.2	3.5	0.00007	3.9
MPL-A210V	8000	0.6	1.5	0.000015	3.1	M431-N	5500	1.2	3.5	0.00007	3.9
MPL-A220T	6000	1.6	4.7	0.000039	4.5	M432-N	5200	2.4	7.1	0.00012	7.4
MPL-A230P	5000	2.1	8.2	0.000063	5.4	M432-N	5200	2.4	7.1	0.00012	7.4
MPL-A310P	5000	1.6	3.6	0.000044	4.9	M432-N	5200	2.4	7.1	0.00012	7.4
MPL-A310F	3000	1.6	3.6	0.000044	3.2	M432-N	5200	2.4	7.1	0.00012	7.4
MPL-A320P	5000	3.1	7.9	0.000078	9.0	M433-M	5000	3.2	9.5	0.00017	10.5
MPL-A320H	3500	3.1	7.9	0.000078	6.1	M433-H	3000	3.2	9.5	0.00017	6.4
MPL-A330P	5000	4.2	11.1	0.000120	12.0	M443-K	4500	4.7	14.1	0.00051	13.6
MPL-A420P	5000	4.7	10.2	0.000260	12.7	M443-K	4500	4.7	14.1	0.00051	13.6
MPL-A430P	5000	6.0	19.8	0.000380	16.8	M444-H	3500	6.6	19.8	0.00063	13.2
MPL-A430H	3500	6.2	19.8	0.000380	12.2	M444-H	3500	6.6	19.8	0.00063	13.2
MPL-A4530F	2800	8.4	20.3	0.000400	13.4	M462-G	3000	10.4	31.1	0.00200	19.0
MPL-A4530K	4000	8.1	20.3	0.000400	19.5	M462-G	3000	10.4	31.1	0.00200	19.0
MPL-A4540C	1500	10.2	27.1	0.000520	9.4	M462-G	3000	10.4	31.1	0.00200	19.0
MPL-A4540F	3000	10.2	27.1	0.000520	18.4	M462-G	3000	10.4	31.1	0.00200	19.0
MPL-A520K	4000	10.7	24.3	0.000783	23.0	M462-G	3000	10.4	31.1	0.00200	19.0
MPL-A540K	4000	19.4	48.6	0.001470	41.5	M465-G	2500	21.1	63.4	0.00440	36.8
MPL-A560F	3000	26.8	61.0	0.002130	42.0	M476-C	1700	31.5	94.5	0.01030	32.7
460V Motors											
MPL-B1510V	8000	0.3	0.8	0.000007	0.9	M431-N	5500	1.1	3.3	0.00007	1.8
MPL-B1520U	7000	0.5	1.6	0.000013	1.8	M431-N	5500	1.1	3.3	0.00007	1.8
MPL-B1530U	7000	0.9	2.8	0.000023	2.0	M431-N	5500	1.1	3.3	0.00007	1.8
MPL-B210V	8000	0.6	1.5	0.000015	1.8	M431-N	5500	1.1	3.3	0.00007	1.8
MPL-B220T	6000	1.6	4.7	0.000039	3.3	M432-N	5200	2.2	6.6	0.00012	3.5
MPL-B230P	5000	2.1	8.2	0.000063	2.6	M432-N	5200	2.2	6.6	0.00012	3.5
MPL-B310P	5000	1.6	3.6	0.000044	2.4	M432-N	5200	2.2	6.6	0.00012	3.5
MPL-B320P	5000	3.1	7.9	0.000078	4.5	M433-M	5000	3.0	8.9	0.00017	5.1
MPL-B330P	5000	4.2	11.1	0.000120	6.1	M443-K	4500	4.4	13.2	0.00051	6.5
MPL-B420P	5000	4.7	10.2	0.000260	6.4	M443-K	4500	4.4	13.2	0.00051	6.5
MPL-B430P	5000	6.6	19.8	0.000380	9.2	M444-H	3500	6.2	18.6	0.00063	6.2
MPL-B4530F	3000	8.3	20.3	0.000400	7.0	M462-G	3000	9.8	29.3	0.00200	8.1
MPL-B4530K	4000	8.3	20.3	0.000400	11.0	M462-G	3000	9.8	29.3	0.00200	8.1
MPL-B4540F	3000	10.2	27.1	0.000520	9.1	M462-G	3000	9.8	29.3	0.00200	8.1
MPL-B4560F	3000	14.1	34.4	0.000780	11.8	M463-K	3500	13.5	40.1	0.00280	16.8
MPL-B520K	4000	10.7	23.2	0.000783	11.5	M462-G	3000	9.8	29.3	0.00200	8.1
MPL-B540D	2000	19.4	41.0	0.001470	10.5	M465-G	2500	19.9	59.6	0.00440	16.7
MPL-B540K	4000	19.4	48.6	0.001470	20.5	M465-G	2500	19.9	59.6	0.00440	16.7
MPL-B560F	3000	26.8	67.8	0.002130	20.6	M476-C	1750	29.6	88.9	0.01030	14.9
MPL-B580F	3000	34.0	87.0	0.002890	26.0	M477-C	1500	32.5	97.6	0.01200	16.8
MPL-B580J	3800	34.0	87.0	0.002890	32.0	M477-C	1500	32.5	97.6	0.01200	16.8

Consult Engineering for Larger Motors

Yellow indicates specifications with potential mis-match. Verify these are acceptable.