

Allen-Bradley Kinetix MPL low-inertia servo motors catalog number list

59 base catalog numbers for Allen-Bradley Kinetix MPL (MP-Series low-inertia) permanent magnet servo motors, 200 V-class (MPL-A) and 400 V-class (MPL-B), 63 to 300 mm frames. The base number gives the voltage class (A = 200 V, B = 400 V), frame size, magnet stack length and rated speed letter; the full catalog number adds feedback, enclosure and shaft key, connector, brake, mounting flange and factory options, for example MPL-B4540F-MJ72AA (M = 1024 sin/cos absolute multi-turn Hiperface encoder, J = shaft key with no shaft seal, 7 = SpeedTec DIN connector, 2 = no brake or 4 = 24 V DC holding brake, A = IEC metric flange, A = standard). Ask us for availability, lead time and price for any motor below.

Kinetix MPL 200 V-class (MPL-A)

ORDER NUMBER	DESCRIPTION	
MPL - A1510V	200 V-class low-inertia servo motor, 63 mm frame; rated speed 8000 rpm (max 8000 rpm), continuous stall torque 0.26 N·m, peak stall torque 0.77 N·m, rated output 0.16 kW	Request a Quote
MPL - A1520U	200 V-class low-inertia servo motor, 63 mm frame; rated speed 7000 rpm (max 7000 rpm), continuous stall torque 0.49 N·m, peak stall torque 1.58 N·m, rated output 0.27 kW	Request a Quote
MPL - A1530U	200 V-class low-inertia servo motor, 63 mm frame; rated speed 7000 rpm (max 7000 rpm), continuous stall torque 0.90 N·m, peak stall torque 2.80 N·m, rated output 0.39 kW	Request a Quote
MPL - A210V	200 V-class low-inertia servo motor, 75 mm frame; rated speed 8000 rpm (max 8000 rpm), continuous stall torque 0.55 N·m, peak stall torque 1.50 N·m, rated output 0.37 kW	Request a Quote
MPL - A220T	200 V-class low-inertia servo motor, 75 mm frame; rated speed 6000 rpm (max 6000 rpm), continuous stall torque 1.61 N·m, peak stall torque 4.74 N·m, rated output 0.62 kW	Request a Quote
MPL - A230P	200 V-class low-inertia servo motor, 75 mm frame; rated speed 5000 rpm (max 5000 rpm), continuous stall torque 2.10 N·m, peak stall torque 8.20 N·m, rated output 0.86 kW	Request a Quote
MPL - A310P	200 V-class low-inertia servo motor, 100 mm frame; rated speed 4750 rpm (max 5000 rpm), continuous stall torque 1.58 N·m, peak stall torque 3.61 N·m, rated output 0.73 kW	Request a Quote
MPL - A310F	200 V-class low-inertia servo motor, 100 mm frame; rated speed 3000 rpm (max 3000 rpm), continuous stall torque 1.58 N·m, peak stall torque 3.61 N·m, rated output 0.46 kW	Request a Quote
MPL - A320P	200 V-class low-inertia servo motor, 100 mm frame; rated speed 4750 rpm (max 5000 rpm), continuous stall torque 3.05 N·m, peak stall torque 7.91 N·m, rated output 1.3 kW	Request a Quote
MPL - A320H	200 V-class low-inertia servo motor, 100 mm frame; rated speed 3350 rpm (max 3500 rpm), continuous stall torque 3.05 N·m, peak stall torque 7.91 N·m, rated output 1.0 kW	Request a Quote

ORDER NUMBER	DESCRIPTION	
MPL - A330P	200 V-class low-inertia servo motor, 100 mm frame; rated speed 5000 rpm (max 5000 rpm), continuous stall torque 4.18 N·m, peak stall torque 11.1 N·m, rated output 1.8 kW	Request a Quote
MPL - A420P	200 V-class low-inertia servo motor, 115 mm frame; rated speed 5000 rpm (max 5000 rpm), continuous stall torque 4.74 N·m, peak stall torque 10.2 N·m, rated output 2.0 kW	Request a Quote
MPL - A430P	200 V-class low-inertia servo motor, 115 mm frame; rated speed 5000 rpm (max 5000 rpm), continuous stall torque 5.99 N·m, peak stall torque 19.8 N·m, rated output 2.2 kW	Request a Quote
MPL - A430H	200 V-class low-inertia servo motor, 115 mm frame; rated speed 3500 rpm (max 3500 rpm), continuous stall torque 6.21 N·m, peak stall torque 19.8 N·m, rated output 1.8 kW	Request a Quote
MPL - A4530K	200 V-class low-inertia servo motor, 130 mm frame; rated speed 4000 rpm (max 4000 rpm), continuous stall torque 8.13 N·m, peak stall torque 20.3 N·m, rated output 2.5 kW	Request a Quote
MPL - A4530F	200 V-class low-inertia servo motor, 130 mm frame; rated speed 2800 rpm (max 2800 rpm), continuous stall torque 8.36 N·m, peak stall torque 20.3 N·m, rated output 1.9 kW	Request a Quote
MPL - A4540C	200 V-class low-inertia servo motor, 130 mm frame; rated speed 1500 rpm (max 1500 rpm), continuous stall torque 10.2 N·m, peak stall torque 27.1 N·m, rated output 1.5 kW	Request a Quote
MPL - A4540F	200 V-class low-inertia servo motor, 130 mm frame; rated speed 3000 rpm (max 3000 rpm), continuous stall torque 10.2 N·m, peak stall torque 27.1 N·m, rated output 2.6 kW	Request a Quote
MPL - A4560F	200 V-class low-inertia servo motor, 130 mm frame; rated speed 3000 rpm (max 3000 rpm), continuous stall torque 14.1 N·m, peak stall torque 34.4 N·m, rated output 3.0 kW	Request a Quote
MPL - A520K	200 V-class low-inertia servo motor, 165 mm frame; rated speed 3500 rpm (max 4000 rpm), continuous stall torque 10.7 N·m, peak stall torque 24.3 N·m, rated output 3.5 kW	Request a Quote
MPL - A540K	200 V-class low-inertia servo motor, 165 mm frame; rated speed 4000 rpm (max 4000 rpm), continuous stall torque 19.4 N·m, peak stall torque 48.6 N·m, rated output 5.5 kW	Request a Quote
MPL - A560F	200 V-class low-inertia servo motor, 165 mm frame; rated speed 3000 rpm (max 3000 rpm), continuous stall torque 26.8 N·m, peak stall torque 61.0 N·m, rated output 5.3 kW	Request a Quote
MPL - A660D	200 V-class low-inertia servo motor, 215 mm frame; rated speed 3000 rpm (max 2250 rpm), continuous stall torque 48.0 N·m, peak stall torque 113.0 N·m, rated output 6.15 kW	Request a Quote

Kinetix MPL 400 V-class (MPL-B)

ORDER NUMBER	DESCRIPTION	
MPL - B1510V	400 V-class low-inertia servo motor, 63 mm frame; rated speed 8000 rpm (max 8000 rpm), continuous stall torque 0.26 N·m, peak stall torque 0.77 N·m, rated output 0.16 kW	Request a Quote

ORDER NUMBER	DESCRIPTION	
MPL - B1520U	400 V-class low-inertia servo motor, 63 mm frame; rated speed 7000 rpm (max 7000 rpm), continuous stall torque 0.49 N·m, peak stall torque 1.58 N·m, rated output 0.27 kW	Request a Quote
MPL - B1530U	400 V-class low-inertia servo motor, 63 mm frame; rated speed 7000 rpm (max 7000 rpm), continuous stall torque 0.90 N·m, peak stall torque 2.80 N·m, rated output 0.39 kW	Request a Quote
MPL - B210V	400 V-class low-inertia servo motor, 75 mm frame; rated speed 8000 rpm (max 8000 rpm), continuous stall torque 0.55 N·m, peak stall torque 1.50 N·m, rated output 0.37 kW	Request a Quote
MPL - B220T	400 V-class low-inertia servo motor, 75 mm frame; rated speed 6000 rpm (max 6000 rpm), continuous stall torque 1.61 N·m, peak stall torque 4.74 N·m, rated output 0.62 kW	Request a Quote
MPL - B230P	400 V-class low-inertia servo motor, 75 mm frame; rated speed 5000 rpm (max 5000 rpm), continuous stall torque 2.10 N·m, peak stall torque 8.20 N·m, rated output 0.86 kW	Request a Quote
MPL - B310P	400 V-class low-inertia servo motor, 100 mm frame; rated speed 5000 rpm (max 5000 rpm), continuous stall torque 1.58 N·m, peak stall torque 3.61 N·m, rated output 0.77 kW	Request a Quote
MPL - B320P	400 V-class low-inertia servo motor, 100 mm frame; rated speed 5000 rpm (max 5000 rpm), continuous stall torque 3.05 N·m, peak stall torque 7.91 N·m, rated output 1.5 kW	Request a Quote
MPL - B330P	400 V-class low-inertia servo motor, 100 mm frame; rated speed 5000 rpm (max 5000 rpm), continuous stall torque 4.18 N·m, peak stall torque 11.1 N·m, rated output 1.8 kW	Request a Quote
MPL - B420P	400 V-class low-inertia servo motor, 115 mm frame; rated speed 5000 rpm (max 5000 rpm), continuous stall torque 4.74 N·m, peak stall torque 13.5 N·m, rated output 1.9 kW	Request a Quote
MPL - B430P	400 V-class low-inertia servo motor, 115 mm frame; rated speed 5000 rpm (max 5000 rpm), continuous stall torque 6.55 N·m, peak stall torque 19.8 N·m, rated output 2.2 kW	Request a Quote
MPL - B4530F	400 V-class low-inertia servo motor, 130 mm frame; rated speed 3000 rpm (max 3000 rpm), continuous stall torque 8.25 N·m, peak stall torque 20.3 N·m, rated output 2.1 kW	Request a Quote
MPL - B4530K	400 V-class low-inertia servo motor, 130 mm frame; rated speed 4000 rpm (max 4000 rpm), continuous stall torque 8.25 N·m, peak stall torque 20.3 N·m, rated output 2.6 kW	Request a Quote
MPL - B4540F	400 V-class low-inertia servo motor, 130 mm frame; rated speed 3000 rpm (max 3000 rpm), continuous stall torque 10.2 N·m, peak stall torque 27.1 N·m, rated output 2.6 kW	Request a Quote
MPL - B4560F	400 V-class low-inertia servo motor, 130 mm frame; rated speed 3000 rpm (max 3000 rpm), continuous stall torque 14.1 N·m, peak stall torque 34.4 N·m, rated output 3.2 kW	Request a Quote
MPL - B520K	400 V-class low-inertia servo motor, 165 mm frame; rated speed 3500 rpm (max 4000 rpm), continuous stall torque 10.7 N·m, peak stall torque 23.2 N·m, rated output 3.5 kW	Request a Quote

ORDER NUMBER	DESCRIPTION	
MPL - B540D	400 V-class low-inertia servo motor, 165 mm frame; rated speed 2000 rpm (max 2000 rpm), continuous stall torque 19.4 N·m, peak stall torque 41.0 N·m, rated output 3.4 kW	Request a Quote
MPL - B540K	400 V-class low-inertia servo motor, 165 mm frame; rated speed 4000 rpm (max 4000 rpm), continuous stall torque 19.4 N·m, peak stall torque 48.6 N·m, rated output 5.4 kW	Request a Quote
MPL - B560F	400 V-class low-inertia servo motor, 165 mm frame; rated speed 3000 rpm (max 3000 rpm), continuous stall torque 26.8 N·m, peak stall torque 67.8 N·m, rated output 5.5 kW	Request a Quote
MPL - B580F	400 V-class low-inertia servo motor, 165 mm frame; rated speed 3000 rpm (max 3000 rpm), continuous stall torque 34.0 N·m, peak stall torque 87.0 N·m, rated output 7.1 kW	Request a Quote
MPL - B580J	400 V-class low-inertia servo motor, 165 mm frame; rated speed 3800 rpm (max 3800 rpm), continuous stall torque 34.0 N·m, peak stall torque 81.0 N·m, rated output 7.9 kW	Request a Quote
MPL - B640F	400 V-class low-inertia servo motor, 215 mm frame; rated speed 2000 rpm (max 3000 rpm), continuous stall torque 36.7 N·m, peak stall torque 72.3 N·m, rated output 6.11 kW	Request a Quote
MPL - B660F	400 V-class low-inertia servo motor, 215 mm frame; rated speed 2000 rpm (max 3000 rpm), continuous stall torque 48.0 N·m, peak stall torque 101.1 N·m, rated output 6.15 kW	Request a Quote
MPL - B680D	400 V-class low-inertia servo motor, 215 mm frame; rated speed 2000 rpm (max 2000 rpm), continuous stall torque 62.8 N·m, peak stall torque 154.2 N·m, rated output 9.3 kW	Request a Quote
MPL - B680F	400 V-class low-inertia servo motor, 215 mm frame; rated speed 2000 rpm (max 3000 rpm), continuous stall torque 60.0 N·m, peak stall torque 108.5 N·m, rated output 7.5 kW	Request a Quote
MPL - B680H	400 V-class low-inertia servo motor, 215 mm frame; rated speed 2000 rpm (max 3500 rpm), continuous stall torque 60.0 N·m, peak stall torque 146.9 N·m, rated output 7.5 kW	Request a Quote
MPL - B860D	400 V-class low-inertia servo motor, 265 mm frame; rated speed 2000 rpm (max 2000 rpm), continuous stall torque 83.0 N·m, peak stall torque 152.5 N·m, rated output 12.5 kW	Request a Quote
MPL - B880C	400 V-class low-inertia servo motor, 265 mm frame; rated speed 1500 rpm (max 1500 rpm), continuous stall torque 110.0 N·m, peak stall torque 203 N·m, rated output 12.6 kW	Request a Quote
MPL - B880D	400 V-class low-inertia servo motor, 265 mm frame; rated speed 2000 rpm (max 2000 rpm), continuous stall torque 110.0 N·m, peak stall torque 147 N·m, rated output 12.6 kW	Request a Quote
MPL - B960B	400 V-class low-inertia servo motor, 300 mm frame; rated speed 1200 rpm (max 1200 rpm), continuous stall torque 130.0 N·m, peak stall torque 231 N·m, rated output 12.7 kW	Request a Quote
MPL - B960C	400 V-class low-inertia servo motor, 300 mm frame; rated speed 1500 rpm (max 1500 rpm), continuous stall torque 124.3 N·m, peak stall torque 226 N·m, rated output 14.8 kW	Request a Quote

ORDER NUMBER	DESCRIPTION	
MPL - B960D	400 V-class low-inertia servo motor, 300 mm frame; rated speed 2000 rpm (max 2000 rpm), continuous stall torque 124.3 N·m, peak stall torque 226 N·m, rated output 15.0 kW	Request a Quote
MPL - B980B	400 V-class low-inertia servo motor, 300 mm frame; rated speed 1000 rpm (max 1000 rpm), continuous stall torque 162.7 N·m, peak stall torque 278 N·m, rated output 15.2 kW	Request a Quote
MPL - B980C	400 V-class low-inertia servo motor, 300 mm frame; rated speed 1500 rpm (max 1500 rpm), continuous stall torque 158.2 N·m, peak stall torque 271 N·m, rated output 16.8 kW	Request a Quote
MPL - B980D	400 V-class low-inertia servo motor, 300 mm frame; rated speed 2000 rpm (max 2000 rpm), continuous stall torque 158.2 N·m, peak stall torque 260 N·m, rated output 18.6 kW	Request a Quote
MPL - B980E	400 V-class low-inertia servo motor, 300 mm frame; rated speed 1500 rpm (max 2750 rpm), continuous stall torque 141.0 N·m, peak stall torque 237 N·m, rated output 13.0 kW	Request a Quote

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