

## MP-Series Low Inertia Motor (400V-class) Performance Specifications

Motor Cat. No.	Rated Speed rpm	Speed, max rpm	Continuous Stall Torque N·m (lb·in)	Peak Stall Torque N·m (lb·in)	Motor Rated Output kW	Rotor Inertia <sup>(1)</sup> kg·m <sup>2</sup> (lb·in·s <sup>2</sup> )	Motor Weight, approx <sup>(1)</sup> kg (lb)
MPL-B1510V	8000	8000	0.26 (2.3)	0.77 (6.8)	0.16	0.0000074 (0.000065)	1.0 (2.2)
MPL-B1520U	7000	7000	0.49 (4.3)	1.58 (14)	0.27	0.000013 (0.00012)	1.2 (2.6)
MPL-B1530U	7000	7000	0.90 (8.0)	2.80 (25)	0.39	0.000023 (0.00020)	1.6 (3.4)
MPL-B210V	8000	8000	0.55 (4.9)	1.50 (13.5)	0.37	0.000015 (0.00013)	1.4 (3.1)
MPL-B220T	6000	6000	1.61 (14.2)	4.74 (42)	0.62	0.000039 (0.00035)	2.0 (4.4)
MPL-B230P	5000	5000	2.10 (18.6)	8.20 (73)	0.86	0.000063 (0.00056)	2.6 (5.7)
MPL-B310P	5000	5000	1.58 (14)	3.61 (32)	0.77	0.000044 (0.00039) <sup>(2)</sup>	2.7 (5.8)
MPL-B320P	5000	5000	3.05 (27)	7.91 (70)	1.5	0.000078 (0.00069) <sup>(2)</sup>	3.7 (8.0)
MPL-B330P	5000	5000	4.18 (37)	11.1 (98)	1.8	0.00012 (0.0010) <sup>(2)</sup>	4.6 (10)
MPL-B420P	5000	5000	4.74 (42)	13.5 (120)	1.9	0.00026 (0.0023) <sup>(2)</sup>	4.3 (9.4)
MPL-B430P	5000	5000	6.55 (58)	19.8 (175)	2.2	0.00038 (0.0033) <sup>(2)</sup>	5.5 (12)
MPL-B4530F	3000	3000	8.25 (73)	20.3 (180)	2.1	0.00040 (0.0036) <sup>(2)</sup>	7.3 (16)
MPL-B4530K	4000	4000	8.25 (73)	20.3 (180)	2.6		
MPL-B4540F	3000	3000	10.2 (90)	27.1 (240)	2.6	0.00052 (0.0046) <sup>(2)</sup>	8.6 (19)
MPL-B4560F	3000	3000	14.1 (125)	34.4 (305)	3.2	0.00078 (0.0067) <sup>(2)</sup>	11.82 (26)
MPL-B520K	3500	4000	10.7 (95)	23.2 (205)	3.5	0.000783 (0.0069)	9.8 (21.5)
MPL-B540D	2000	2000	19.4 (172)	41.0 (362)	3.4	0.00147 (0.013)	15 (33)
MPL-B540K	4000	4000	19.4 (172)	48.6 (430)	5.4	0.00147 (0.013)	
MPL-B560F	3000	3000	26.8 (237)	67.8 (600)	5.5	0.00213 (0.019)	20.2 (44.5)
MPL-B580F	3000	3000	34.0 (301)	87.0 (770)	7.1	0.00289 (0.023)	25.4 (56)
MPL-B580J	3800	3800	34.0 (301)	81.0 (716)	7.9		
MPL-B640F	2000	3000	36.7 (325)	72.3 (640)	6.11	0.004 (0.0354)	26.8 (59)
MPL-B660F	2000	3000	48.0 (425)	101.1 (895)	6.15	0.0058 (0.051)	35.0 (77)
MPL-B680D	2000	2000	62.8 (556)	154.2 (1365)	9.3	0.00775 (0.0685)	40.4 (89)
MPL-B680F	2000	3000	60.0 (531)	108.5 (960)	7.5		
MPL-B680H	2000	3500	60.0 (531)	146.9 (1300)	7.5		
MPL-B860D	2000	2000	83.0 (735)	152.5 (1350)	12.5	0.0169 (0.150)	57.3 (126)
MPL-B880C	1500	1500	110.0 (973)	203 (1800)	12.6	0.0224 (0.198)	72.7 (160)
MPL-B880D	2000	2000	110.0 (973)	147 (1300)	12.6		
MPL-B960B	1200	1200	130.0 (1150)	231 (2050)	12.7	0.0273 (0.242)	76.0 (167)
MPL-B960C	1500	1500	124.3 (1100)	226 (2000)	14.8		
MPL-B960D	2000	2000	124.3 (1100)	226 (2000)	15.0		
MPL-B980B	1000	1000	162.7 (1440)	278 (2460)	15.2	0.0354 (0.313)	94.5 (208)
MPL-B980C	1500	1500	158.2 (1400)	271 (2400)	16.8		
MPL-B980D	2000	2000	158.2 (1400)	260 (2300)	18.6		
MPL-B980E	1500	2750	141.0 (1250)	237 (2100)	13.0		

(1) Refer to MP-Series Low Inertia Motor Brake Specifications on [page 80](#) for brake rotor inertia and brake motor weight.

(2) Rotor inertia can vary slightly depending on feedback.