

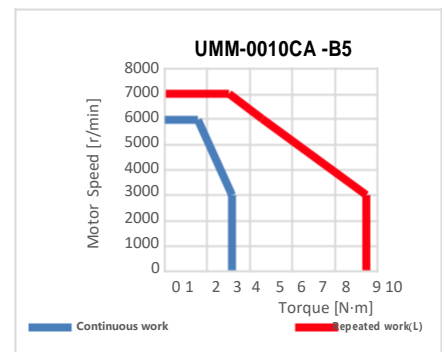
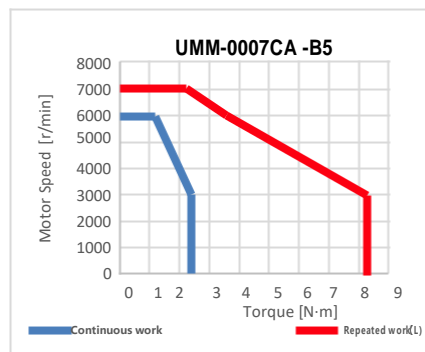
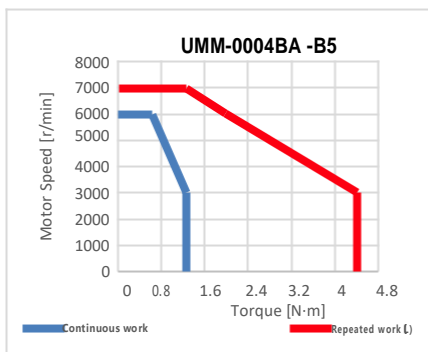
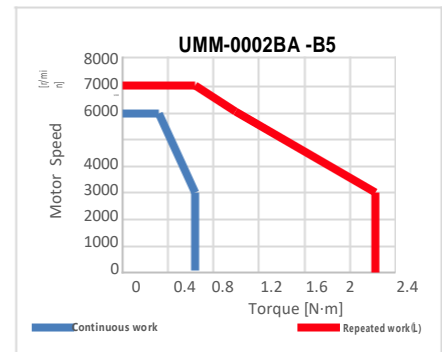
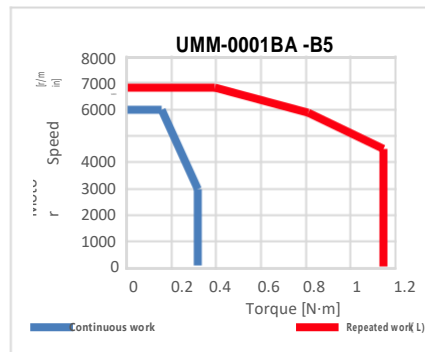
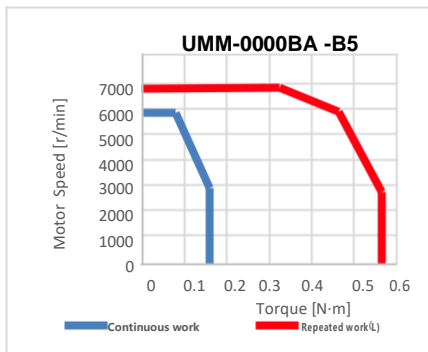
Servo Motor Specification



B5 Series (50W-1kW) 3000/7000rpm 200V - Small Capacity, High Speed, Low Inertia

UMM-	0000BA -B5	0001BA -B5	0002BA -B5	0004BA -B5	0007CA -B5	0010CA -B5
Flange [mm]	40	40	60	60	80	80
Rated power [kW/HP]	0.05/0.06	0.1/0.13	0.2/0.26	0.4/0.53	0.75/1	1/1.34
Rated speed[r/min]	3000	3000	3000	3000	3000	3000
Maximum speed [r/min]	7000	7000	7000	7000	7000	7000
Rated torque [N·m / lb-in]	0.159/1.4	0.318/2.81	0.637/5.63	1.27/11.23	2.39/21.15	3.18/28.14
Peak torque [N·m / lb-in]	0.557/4.92	1.11/9.82	2.23/19.73	4.46/39.47	8.37/74.07	9.54/84.42
Rated current [Arms]	0.9	1.1	1.5	2.9	5.1	6.9
Maximum current [Arms]	3.3	4	5.8	11.5	19.5	21
Motor inertia [kg·m ² ×10 ⁻⁴ /lb·in ²]	0.0230(0.0268)/ 0.0078(0.00915)	0.0428(0.0465)/ 0.01462(0.01588)	0.147(0.179)/ 0.0502(0.0611)	0.244(0.276)/ 0.0833(0.0943)	0.910(1.07)/ 0.3109(0.3656)	1.14(1.30)/ 0.3895(0.4442)
Encoder type (Absolute)	23bit	23bit	23bit	23bit	23bit	23bit
Brake specification	Rated voltage	24VDC	24VDC	24VDC	24VDC	24VDC
	Holding torque[N·m/ lb-in]	≥0.32/2.832	≥0.32/2.832	≥1.5/13.276	≥1.5/13.276	≥3.2/28.32
Weight[kg/lb]	0.4(0.6) / 0.881(1.322)	0.5(0.7) / 1.102(1.543)	0.9(1.3) / 1.984(2.866)	1.3(1.7) / 2.866(3.747)	2.6(3.2) / 5.732(7.054)	3.1(3.8) / 6.834(8.377)
IP Class	IP 67					
Heat resistance class	F					

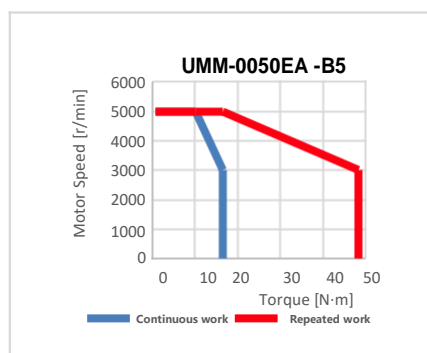
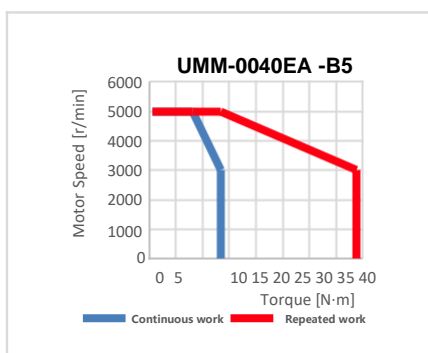
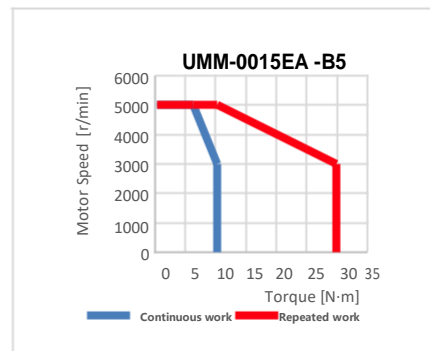
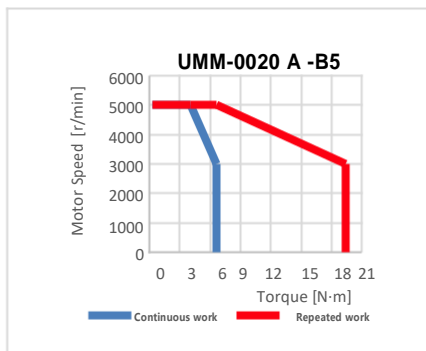
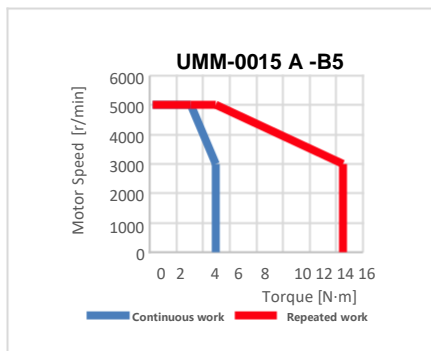
Note: The values in parentheses "()" or "(B)" represent the values of motors with brakes.



B5 Series (1.5-5kW) 3000/5000rpm - Medium Capacity, High Speed, Low Inertia

UMM-	200V		400V				
	0015CA -B5	0020CA -B5	0015EA -B5	0020EA -B5	0030EA -B5	0040EA -B5	0050EA -B5
Flange [mm]	100	100	100	100	130	130	130
Rated power [kW/HP]	1.5/2.01	2/2.68	1.5/2.01	2/2.68	3/4.02	4/5.3	5/6.7
Rated speed[r/min]	3000	3000	3000	3000	3000	3000	3000
Maximum speed [r/min]	5000	5000	5000	5000	5000	5000	5000
Rated torque [N-m / lb-in]	4.78/42.3	6.37/56.3	4.78/42.3	6.37/56.3	9.8/86.73	12.8/113.28	15.9/40.72
Peak torque [N-m / lb-in]	14.3/126.56	19.1/169.04	14.3/126.56	19.1/169.04	29.4/260.21	38.4/339.86	47.7/422.18
Rated current [Arms]	9.5	12.6	4.9	6.4	10.5	13	15.9
Maximum current [Arms]	31.6	42	16.3	20.5	33	40	50
Motor inertia [kg·m ² x10 ⁻⁴ /lb-in ²]	2.33(3.10)/0.7962(1.0593)	2.95(3.72)/1.008(1.2711)	2.33(3.10)/0.7962(1.0593)	2.95(3.72)/1.008(1.2711)	7.72(9)/2.638(3.0754)	10.2(11.6)/3.4855(3.9639)	14(15.4)/4.784(5.2624)
Encoder type (Absolute)	23bit	23bit	23bit	23bit	23bit	23bit	23bit
Brake specification	Rated voltage	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC
	Holding torque[N-m/lb-in]	≥8/70.8	≥8/70.8	≥8/70.8	≥8/70.8	≥20/177.01	≥20/177.01
Weight[kg/lb]	5.1(6.4)/11.24(14.109)	6.1(7.5)/13.448(16.535)	5.1(6.4)/11.24(14.109)	6.1(7.5)/13.448(16.535)	10(12)	12(14)	5.5(17.5)
IP Class	IP 65						
Heat resistance class	F						

Note: The values in parentheses "()" or "(B)" represent the values of motors with brakes.



B6 Series (850W-7.5kW) 1500/3000rpm - Medium Capacity, Medium Speed, Medium Inertia

UMM-		200V			400V						
		0008CA -B6	0013CA -B6	0018CA -B6	0008EA -B6	0013EA -B6	0018EA -B6	0029EA -B6	0044EA -B6	0055EA -B6	0075EA -B6
Flange [mm]		130	130	130	130	130	130	180	180	180	180
Rated power [kW/HP]		0.85/1.13	1.3/1.74	1.8/2.41	0.85/1.13	1.3/1.74	1.8/2.41	2.9/3.88	4.4/5.89	5.5/7.37	7.5/10
Rated speed[r/min]		1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Maximum speed [r/min]		3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
Rated torque [N-m / lb-in]		5.41/47.88	8.28/73.28	11.5/101.78	5.41/47.88	8.28/73.28	11.5/101.78	18.6/164.62	28.4/251.36	35/309.77	48/424.83
Peak torque [N-m / lb-in]		16.2/143.38	24.8/219.49	31/274.37	16.2/143.38	24.8/219.49	31/274.37	55.8/493.87	80/708.05	105/929.32	120/1,062.08
Rated current [Arms]		6.8	9.7	14.5	3.4	5	7.1	11.5	16.8	20.3	26.5
Maximum current [Arms]		22.6	29.7	42	10.9	15.6	21.2	37	49.5	64	70
Motor inertia [kg·m ² ×10 ⁻⁴ /lb-in ²]		11.9(12.5)/4.066(4.271)	17.3(17.9)/5.911(6.116)	22.3(22.9)/7.62(7.825)	11.9(12.5)/4.066(4.271)	17.3(17.9)/5.911(6.116)	22.3(22.9)/7.620(7.825)	43.4(49.2)/14.830(16.812)	58.8(64.6)/20.092(22.074)	85.5(91.5)/29.216(31.267)	117(123)/39.98(42.031)
Encoder type (Absolute)		23bit	23bit	23bit	23bit	23bit	23bit	23bit	23bit	23bit	23bit
Brake specification	Rated voltage	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC	24VDC
	Holding torque[N-m/lb-in]	≥20/177	≥20/177	≥20/177	≥20/177	≥20/177	≥20/177	≥44/389.4	≥44/389.4	≥72/637.2	≥72/637.2
Weight[kg/lb]		5.6(7.3)	7.0(8.7)	8.3(10.0)	5.6(7.3)	7.0(8.7)	8.3(10.0)	14.6(18.8)	17.6(21.8)	23.2(27.8)	29.0(33.6)
IP Class		IP 65									
Heat resistance class		F									

Note: The values in parentheses "(") or ")" (B)" represent the values of motors with brakes.

