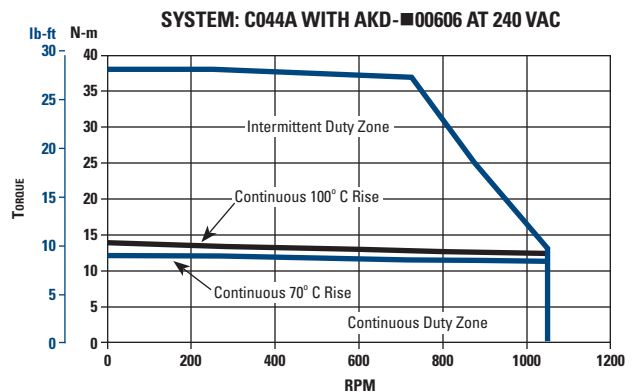
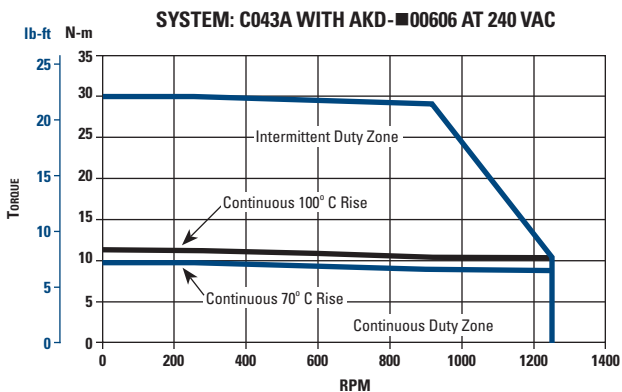
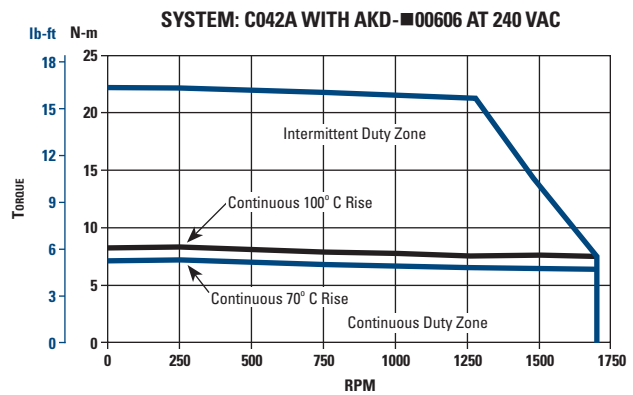
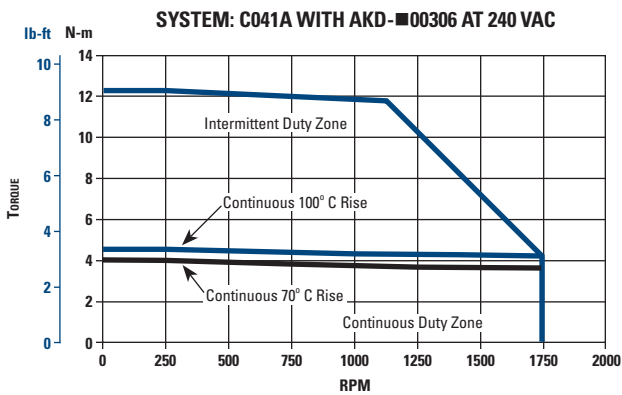


Technical Performance Data

C04xA

System Performance at 240 VAC C04xA Cartridge DDR Motor with AKD Servo Drive Series Amplifier

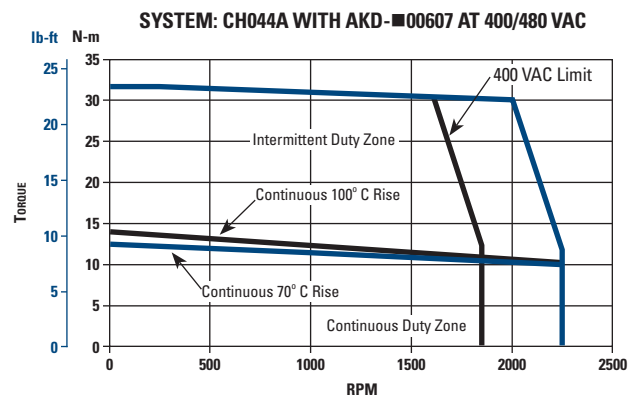
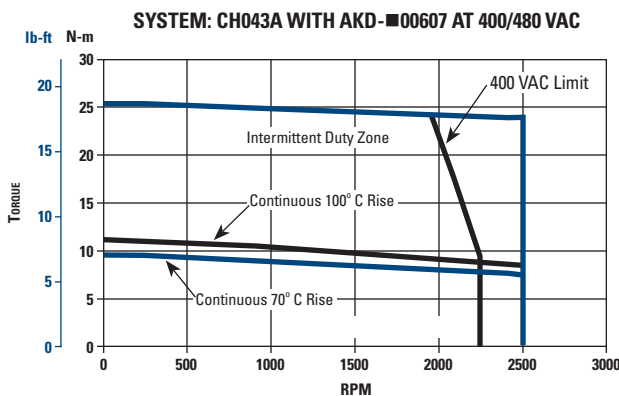
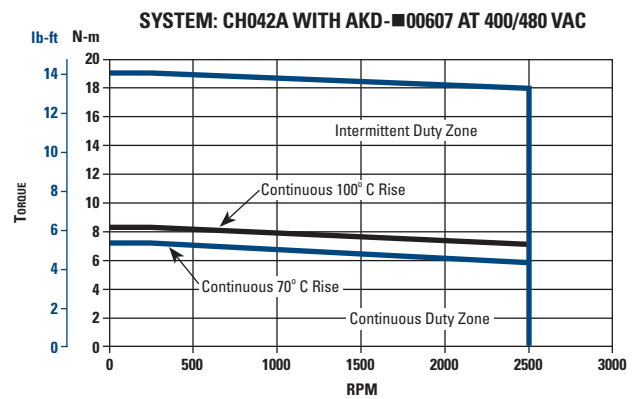
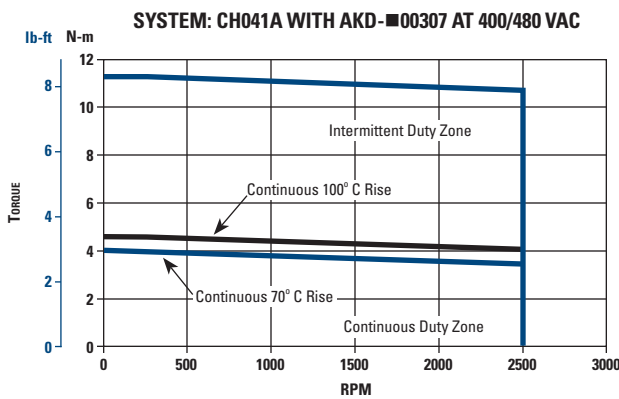
System Performance	Symbol	Units	C041A	C042A	C043A	C044A
Continuous Torque 100°C Rise ¹²³	T _c	lb-ft (N-m)	3.37 (4.57)	6.08 (8.25)	8.20 (11.1)	10.3 (13.9)
Cont. Line Current	I _c	amps RMS	2.73	4.68	4.73	4.91
Continuous Torque 70°C Rise ¹²³	T _c	lb-ft (N-m)	2.93 (3.97)	5.30 (7.19)	7.14 (9.68)	9.14 (12.4)
Cont. Line Current	I _c	amps RMS	2.38	4.08	4.13	4.37
Peak Torque	T _p	lb-ft (N-m)	9.09 (12.3)	16.4 (22.2)	22.1 (30.0)	27.6 (37.4)
Peak Line Current	I _p	amps RMS	8.20	14.0	14.2	14.7
Maximum Speed	N max	RPM	1750	1700	1250	1050
Weight	Wt	lb (kg)	9.00 (4.08)	12.5 (5.67)	16.0 (7.26)	19.5 (8.84)
Rotor Inertia	J _m	oz-in-sec ² (kg-cm ²)	0.083 (5.86)	0.126 (8.87)	0.168 (11.9)	0.211 (14.9)



- Notes:
1. At 40°C ambient.
 2. Increase T_c by 1.06 times for 25°C ambient.
 3. Temperature rise assumes a 12 x 12 x 0.50 inch aluminum mounting plate or equivalent.

System Performance at 400/480 VAC CH04xA Cartridge DDR Motor with AKD Servo Drive Series Amplifier

System Performance	Symbol	Units	CH041A	CH042A	CH043A	CH044A
Continuous Torque 100°C Rise ¹²³	T _c	lb-ft (N-m)	3.37 (4.56)	6.09 (8.26)	8.20 (11.1)	10.2 (13.9)
Cont. Line Current	I _c	amps RMS	2.73	4.68	4.73	4.90
Continuous Torque 70°C Rise ¹²³	T _c	lb-ft (N-m)	2.93 (3.97)	5.30 (7.19)	7.14 (9.68)	9.14 (12.4)
Cont. Line Current	I _c	amps RMS	2.38	4.08	4.13	4.30
Peak Torque	T _p	lb-ft (N-m)	8.33 (11.3)	14.0 (19.0)	18.7 (25.3)	23.3 (31.6)
Peak Line Current	I _p	amps RMS	7.50	12.0	12.0	12.0
Maximum Speed (400 V) Maximum Speed (480 V)	N max	RPM	2500 2500	2500 2500	2250 2500	1850 2250
Weight	W _t	lb (kg)	9.00 (4.08)	12.5 (5.67)	16.0 (7.26)	19.5 (8.84)
Rotor Inertia	J _m	oz-in-sec ² (kg-cm ²)	0.083 (5.86)	0.126 (8.87)	0.168 (11.9)	0.211 (14.9)



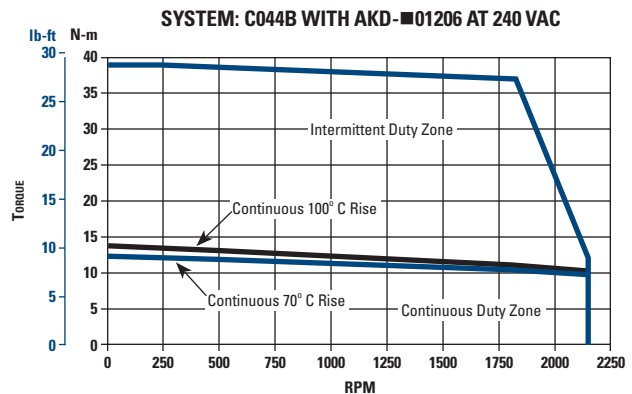
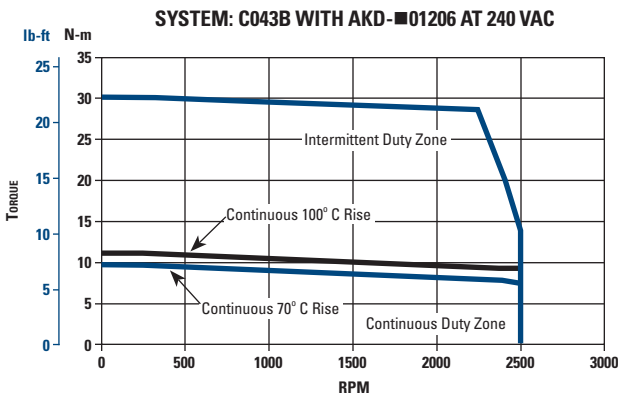
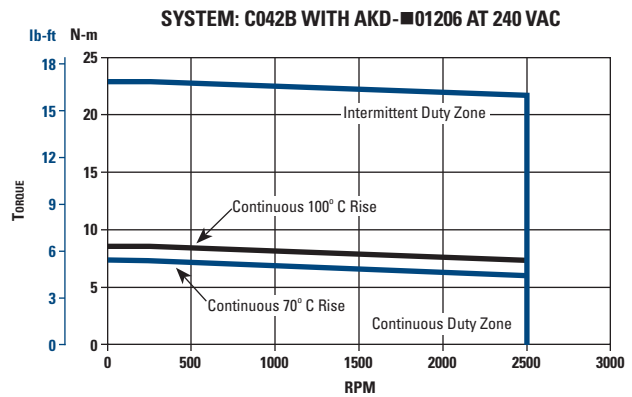
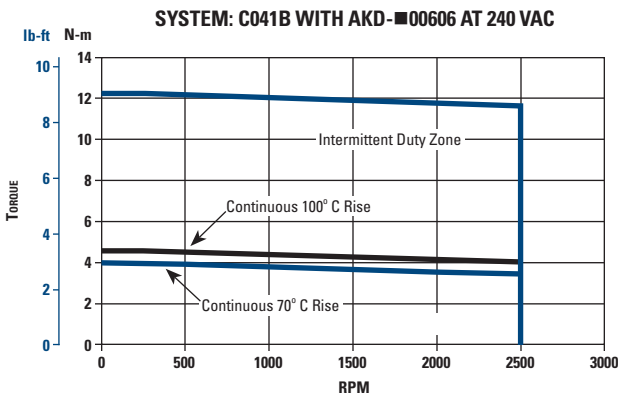
- Notes:
1. At 40°C ambient.
 2. Increase T_c by 1.06 times for 25°C ambient.
 3. Temperature rise assumes a 12 x 12 x 0.50 inch aluminum mounting plate or equivalent.

Technical Performance Data

C04xB

System Performance at 240 VAC C04xB Cartridge DDR Motor (High-Speed Winding) with AKD Servo Drive Series Amplifiers

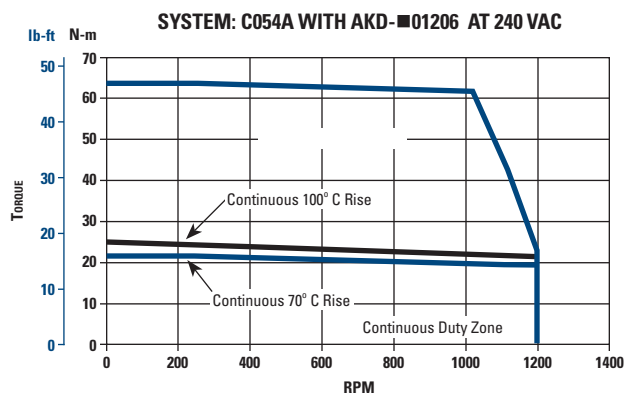
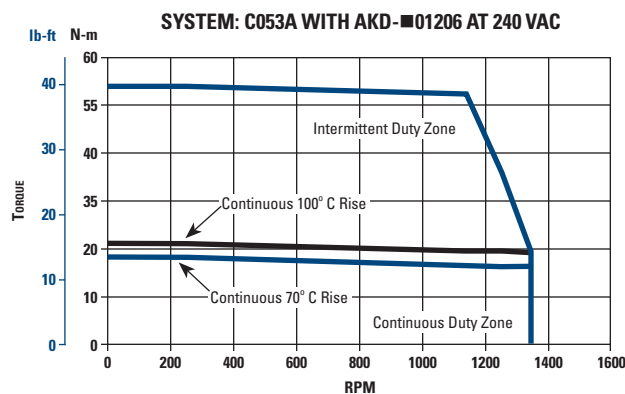
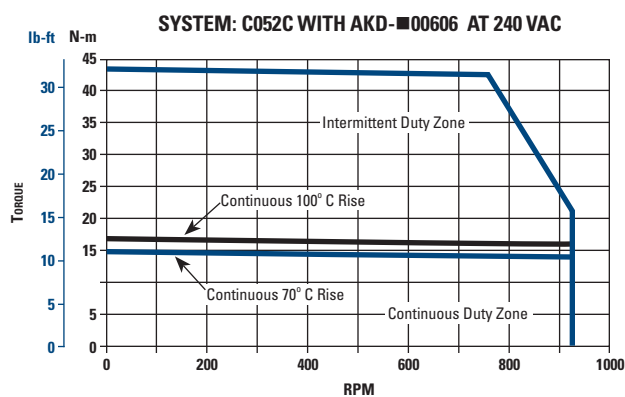
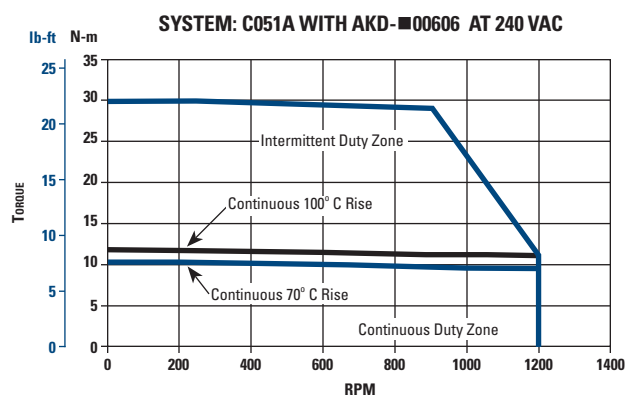
System Performance	Symbol	Units	C041B	C042B	C043B	C044B
Continuous Torque 100°C Rise ¹²³	T _c	lb-ft (N-m)	3.33 (4.52)	6.23 (8.45)	8.23 (11.2)	10.4 (14.1)
Cont. Line Current	I _c	amps RMS	4.69	9.19	9.15	9.53
Continuous Torque 70°C Rise ¹²³	T _c	lb-ft (N-m)	2.91 (3.94)	5.43 (7.36)	7.17 (9.73)	9.22 (12.5)
Cont. Line Current	I _c	amps RMS	4.09	8.01	7.98	8.50
Peak Torque	T _p	lb-ft (N-m)	9.01 (12.2)	16.8 (22.8)	22.2 (30.2)	28.0 (37.9)
Peak Line Current	I _p	amps RMS	14.1	27.6	27.5	28.6
Maximum Speed	N max	RPM	2500	2500	2500	2150
Weight	W _t	lb (kg)	9.00 (4.08)	12.5 (5.67)	16.0 (7.26)	19.5 (8.84)
Rotor Inertia	J _m	oz-in-sec ² (kg-cm ²)	0.083 (5.86)	0.126 (8.87)	0.168 (11.9)	0.211 (14.9)



- Notes:
1. At 40°C ambient.
 2. Increase T_c by 1.06 times for 25°C ambient.
 3. Temperature rise assumes a 12 x 12 x 0.50 inch aluminum mounting plate or equivalent.

System Performance at 240 VAC C05xA/C Cartridge DDR Motor with AKD Servo Drive Series Amplifiers

System Performance	Symbol	Units	C051A	C052C	C053A	C054A
Continuous Torque 100°C Rise ¹²³	T _c	lb-ft (N-m)	8.66 (11.7)	12.5 (16.9)	15.5 (21.0)	18.4 (24.9)
Cont. Line Current	I _c	amps RMS	4.78	5.73	9.28	9.82
Continuous Torque 70°C Rise ¹²³	T _c	lb-ft (N-m)	7.54 (10.2)	10.8 (14.7)	13.5 (18.3)	16.1 (21.8)
Cont. Line Current	I _c	amps RMS	4.17	5.00	8.10	8.62
Peak Torque	T _p	lb-ft (N-m)	22.3 (30.2)	31.8 (43.1)	39.9 (54.1)	47.1 (63.8)
Peak Line Current	I _p	amps RMS	12.9	15.5	25.1	26.5
Maximum Speed	N max	RPM	1200	950	1350	1200
Weight	W _t	lb (kg)	18.5 (8.39)	23.5 (10.7)	29.0 (13.2)	34.0 (15.4)
Rotor Inertia	J _m	oz-in-sec ² (kg-cm ²)	0.388 (27.4)	0.508 (35.9)	0.628 (44.3)	0.748 (52.8)



- Notes:
1. At 40°C ambient.
 2. Increase T_c by 1.06 times for 25°C ambient.
 3. Temperature rise assumes a 18 x 18 x 0.50 inch aluminum mounting plate or equivalent.