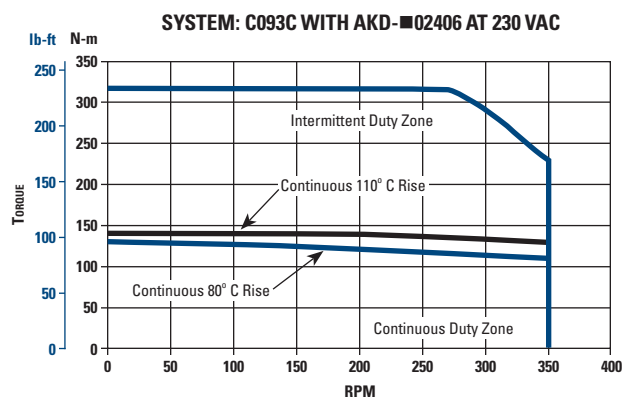
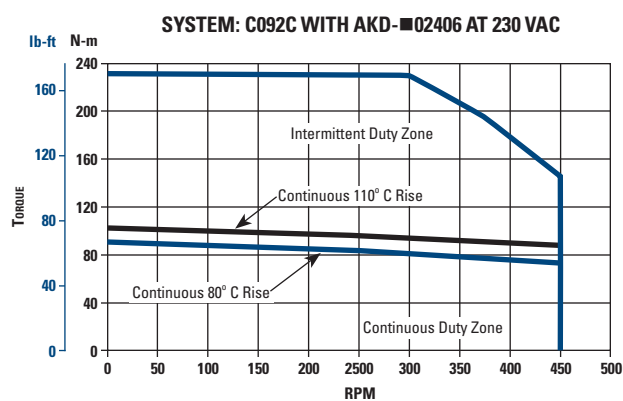
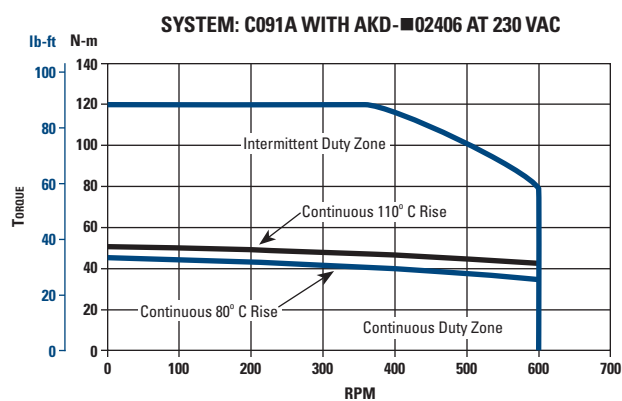


System Performance at 230 VAC C09xA/C Cartridge DDR Motor with AKD Drive Amplifiers

System Performance	Symbol	Units	C091A	C092C	C093C
Continuous Torque 110°C Rise	T _c	lb-ft (N-m)	37.0 (50.2)	74.9 (102)	103 (139)
Cont. Line Current	I _c	amps RMS	12.8	18.1	20.0
Continuous Torque 80°C Rise	T _c	lb-ft (N-m)	33.0 (44.7)	66.5 (90.1)	95.0 (129)
Cont. Line Current	I _c	amps RMS	11.4	13.7	15.6
Peak Torque	T _p	lb-ft (N-m)	88.2 (120)	170 (231)	234 (317)
Peak Line Current	I _p	amps RMS	40.0	48.0	48.0
Maximum Speed	N max	RPM	600	450	350
Weight	Wt	lb (kg)	61.0 (27.7)	91.0 (41.3)	120 (54.4)
Rotor Inertia	Jm	lb-ft-sec ² (kg-m ²)	0.021 (0.028)	0.035 (0.047)	0.049 (0.066)



- Notes:
1. At 40°C ambient.
 2. Increase T_c by 1.06 times for 25°C ambient.
 3. Temperature rise assumes a 16 x 16 x 0.75 inch aluminum mounting plate or equivalent.

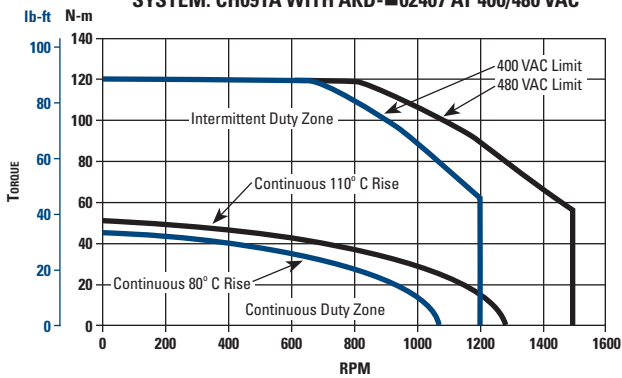
Technical Performance Data

CH09xA/C

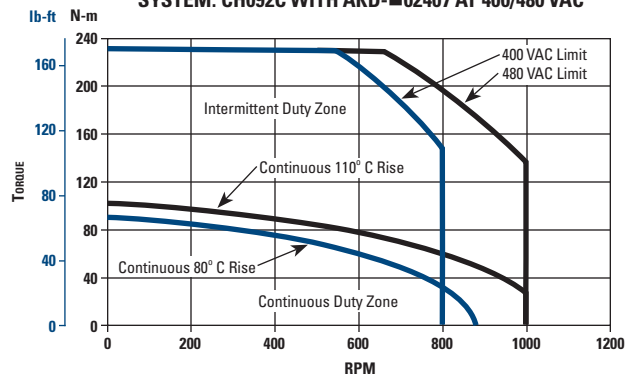
System Performance at 400 /480 VAC CH09xA/C Cartridge DDR Motor with AKD Drive Amplifier

System Performance	Symbol	Units	CH091A	CH092C	CH093C
Continuous Torque 110°C Rise	T _c	lb-ft (N-m)	37.0 (50.2)	74.9 (102)	103 (139)
Cont. Line Current	I _c	amps RMS	12.8	18.1	20.0
Continuous Torque 80°C Rise	T _c	lb-ft (N-m)	33.0 (44.7)	66.5 (90.1)	95.0 (129)
Cont. Line Current	I _c	amps RMS	11.4	13.7	15.6
Peak Torque	T _p	lb-ft (N-m)	88.2 (120)	170 (231)	228 (309)
Peak Line Current	I _p	amps RMS	40.0	48.0	48.0
Maximum Speed (400V) Maximum Speed (480V)	N max	RPM	1200 1500	800 1000	700 800
Weight	Wt	lb (kg)	61.0 (27.7)	91.0 (41.3)	120 (54.4)
Rotor Inertia	Jm	lb-ft-sec ² (kg-m ²)	0.021 (0.028)	0.035 (0.047)	0.049 (0.066)

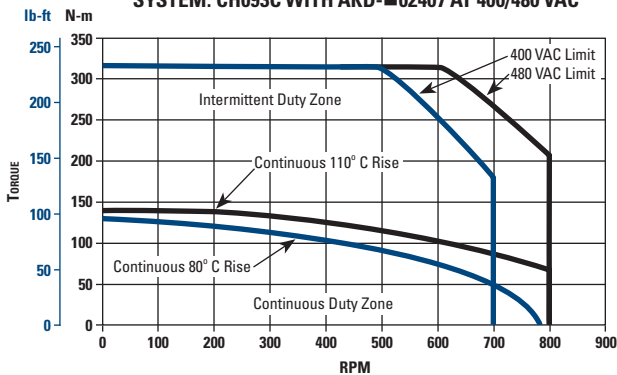
SYSTEM: CH091A WITH AKD-02407 AT 400/480 VAC



SYSTEM: CH092C WITH AKD-02407 AT 400/480 VAC



SYSTEM: CH093C WITH AKD-02407 AT 400/480 VAC



Notes:

1. At 40°C ambient.
2. Increase T_c by 1.06 times for 25°C ambient.
3. Temperature rise assumes a 16 x 16 x 0.75 inch aluminum mounting plate or equivalent.