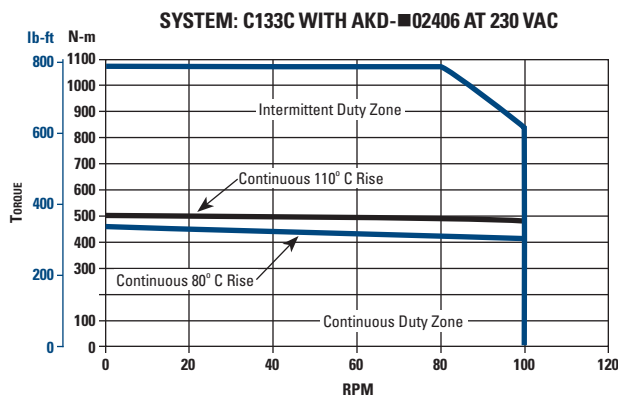
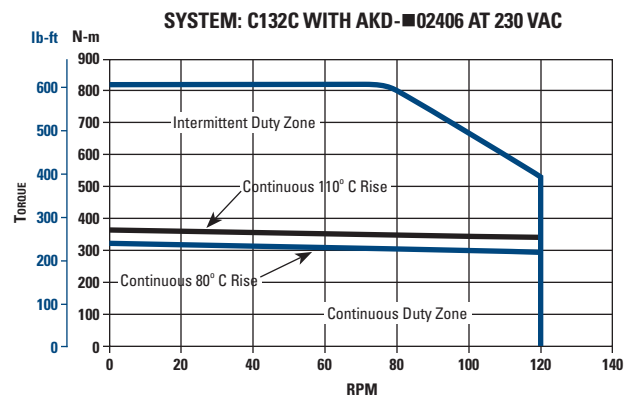
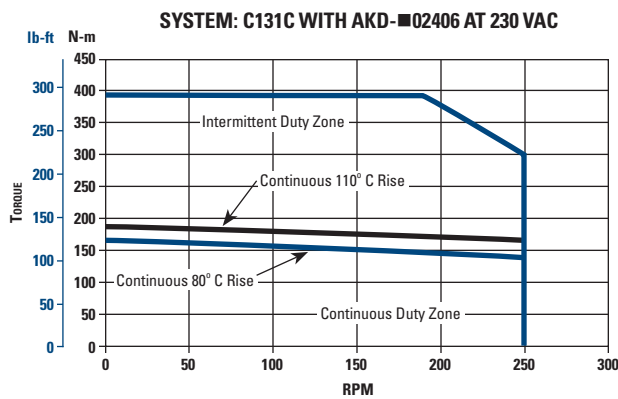


## System Performance at 230 VAC C13xC Cartridge DDR Motor with AKD Drive Amplifier

System Performance	Symbol	Units	C131C	C132C	C133C
Continuous Torque 110°C Rise	T <sub>c</sub>	lb-ft (N-m)	139 (189)	267 (362)	368 (499)
Cont. Line Current	I <sub>c</sub>	amps RMS	18.8	16.9	20.0
Continuous Torque 80°C Rise	T <sub>c</sub>	lb-ft (N-m)	123 (167)	236 (321)	330 (448)
Cont. Line Current	I <sub>c</sub>	amps RMS	16.6	15.0	17.9
Peak Torque	T <sub>p</sub>	lb-ft (N-m)	291 (395)	603 (818)	791 (1070)
Peak Line Current	I <sub>p</sub>	amps RMS	48.0	48.0	48.0
Maximum Speed	N max	RPM	250	120	100
Weight	W <sub>t</sub>	lb (kg)	140 (63.5)	223 (101)	292 (132)
Rotor Inertia	J <sub>m</sub>	lb-ft-sec <sup>2</sup> (kg-m <sup>2</sup> )	0.091 (0.124)	0.166 (0.225)	0.223 (0.302)



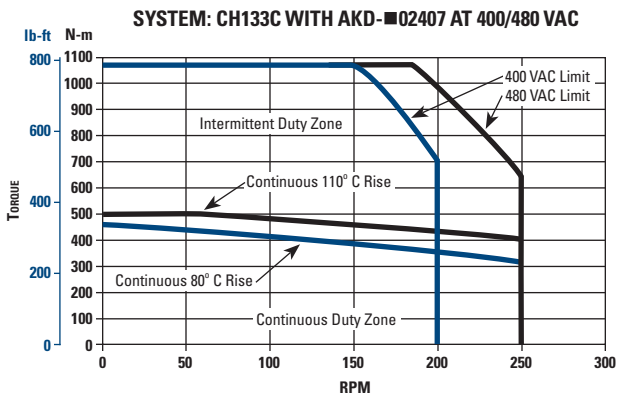
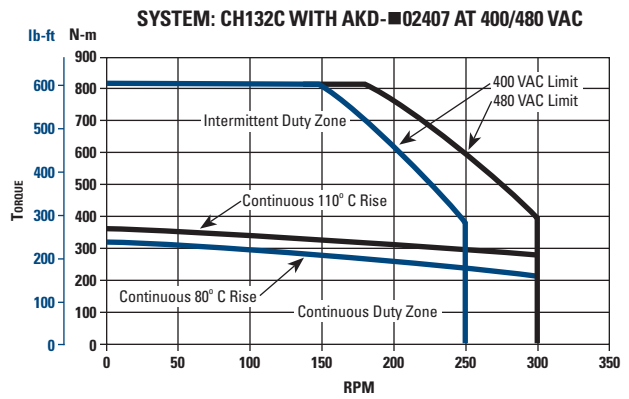
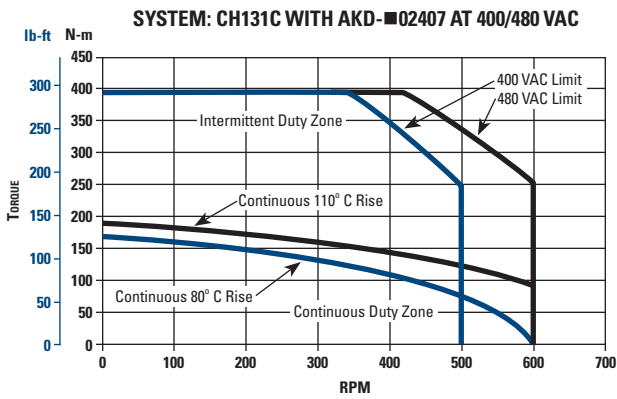
- Notes:
1. At 40°C ambient.
  2. Increase T<sub>c</sub> by 1.06 times for 25°C ambient.
  3. Temperature rise assumes a 20 x 20 x 0.75 inch aluminum mounting plate or equivalent.

# Technical Performance Data

## CH13xC

### System Performance at 400 /480 VAC CH13xC Cartridge DDR Motor with AKD Drive Amplifier

System Performance	Symbol	Units	CH131C	CH132C	CH133C
Continuous Torque 110°C Rise	Tc	lb-ft (N-m)	139 (189)	267 (362)	368 (499)
Cont. Line Current	Ic	amps RMS	18.8	16.9	20.0
Continuous Torque 80°C Rise	Tc	lb-ft (N-m)	123 (167)	236 (321)	330 (448)
Cont. Line Current	Ic	amps RMS	16.6	15.0	17.9
Peak Torque	Tp	lb-ft (N-m)	291 (395)	603 (818)	791 (1070)
Peak Line Current	Ip	amps RMS	48.0	48.0	48.0
Maximum Speed (400V) Maximum Speed (480V)	N max	RPM	500 600	250 300	200 250
Weight	Wt	lb (kg)	140 (63.5)	223 (101)	292 (132)
Rotor Inertia	Jm	lb-ft-sec <sup>2</sup> (kg-m <sup>2</sup> )	0.091 (0.124)	0.166 (0.225)	0.223 (0.302)

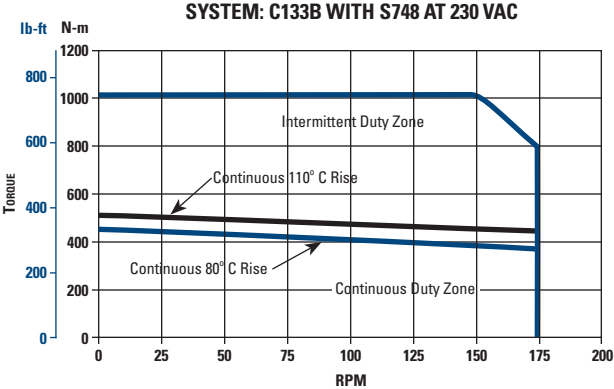
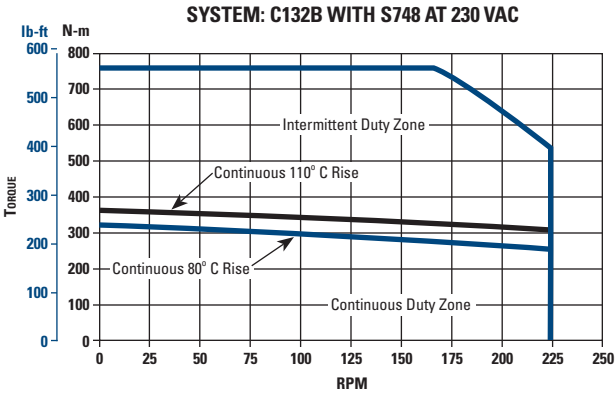
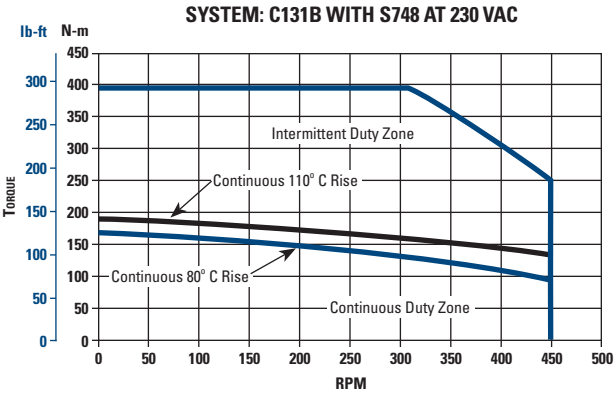


**Notes:**

1. At 40°C ambient.
2. Increase Tc by 1.06 times for 25°C ambient.
3. Temperature rise assumes a 20 x 20 x 0.75 inch aluminum mounting plate or equivalent.

**System Performance at 230 VAC C13xB Cartridge DDR Motor (High-Speed Winding) with S700 Drive Amplifier**

System Performance	Symbol	Units	C131B	C132B	C133B
Continuous Torque 110°C Rise	Tc	lb-ft (N-m)	140 (190)	266 (361)	376 (510)
Cont. Line Current	lc	amps RMS	29.2	29.6	32.7
Continuous Torque 80°C Rise	Tc	lb-ft (N-m)	124 (168)	236 (320)	333 (451)
Cont. Line Current	lc	amps RMS	25.9	26.3	29.0
Peak Torque	Tp	lb-ft (N-m)	292 (396)	560 (759)	749 (1016)
Peak Line Current	lp	amps RMS	80.0	80.0	96.0
Maximum Speed	N max	RPM	450	225	175
Weight	Wt	lb (kg)	140 (63.5)	223 (101)	292 (132)
Rotor Inertia	Jm	lb-ft-sec <sup>2</sup> (kg-m <sup>2</sup> )	0.091 (0.124)	0.166 (0.225)	0.223 (0.302)



- Notes:
1. At 40°C ambient.
  2. Increase Tc by 1.06 times for 25°C ambient.
  3. Temperature rise assumes a 20 x 20 x 0.75 inch aluminum mounting plate or equivalent.

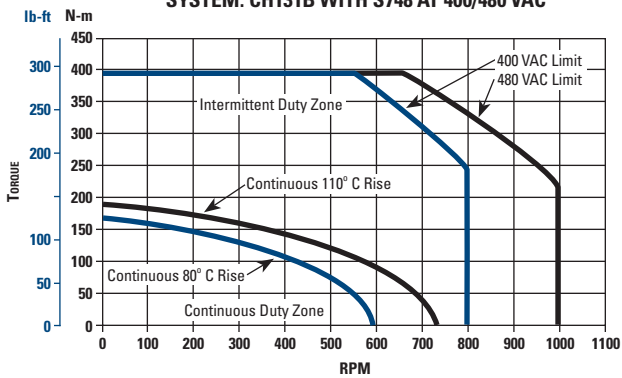
# Technical Performance Data

## CH13xB

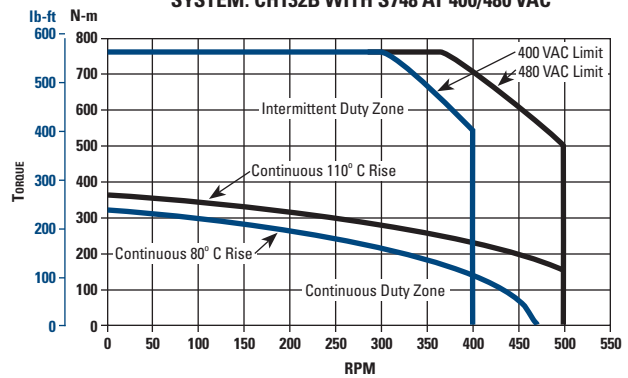
### System Performance at 400 /480 VAC CH13xB Cartridge DDR Motor (High-Speed Winding) with S700 Drive Amplifier

System Performance	Symbol	Units	CH131B	CH132B	CH133B
Continuous Torque 110°C Rise	T <sub>c</sub>	lb-ft (N-m)	140 (190)	266 (361)	372 (510)
Cont. Line Current	I <sub>c</sub>	amps RMS	29.2	29.6	32.7
Continuous Torque 80°C Rise	T <sub>c</sub>	lb-ft (N-m)	124 (168)	236 (320)	333 (451)
Cont. Line Current	I <sub>c</sub>	amps RMS	25.9	26.3	29.0
Peak Torque	T <sub>p</sub>	lb-ft (N-m)	292 (396)	560 (759)	749 (1016)
Peak Line Current	I <sub>p</sub>	amps RMS	80.0	80.0	96.0
Maximum Speed (400V) Maximum Speed (480V)	N max	RPM	800 1000	400 500	350 400
Weight	Wt	lb (kg)	140 (63.5)	223 (101)	292 (132)
Rotor Inertia	Jm	lb-ft-sec <sup>2</sup> (kg-m <sup>2</sup> )	0.091 (0.124)	0.166 (0.225)	0.223 (0.302)

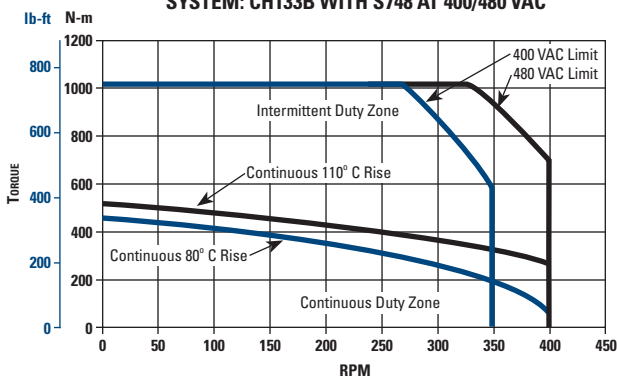
SYSTEM: CH131B WITH S748 AT 400/480 VAC



SYSTEM: CH132B WITH S748 AT 400/480 VAC



SYSTEM: CH133B WITH S748 AT 400/480 VAC



Notes:

1. At 40°C ambient.
2. Increase T<sub>c</sub> by 1.06 times for 25°C ambient.
3. Temperature rise assumes a 20 x 20 x 0.75 inch aluminum mounting plate or equivalent.