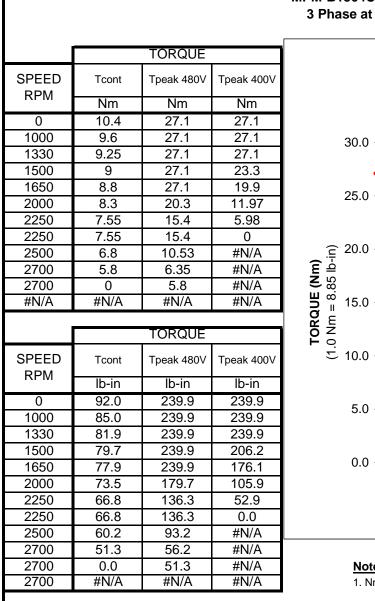
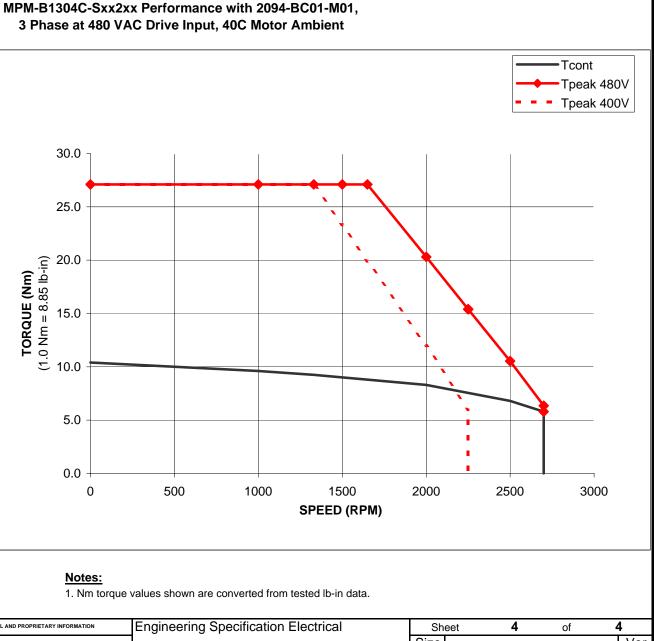


General Specifications:									
1. Motor type: 3 phase, wye winding, permanent magnet rotor, totally enclosed, non-ventilated.									
2. Motor poles:	8								
3. Operating Speed, max	2750 RF	PM							
<ol> <li>Base speed (max speed at peak torque), Ref:</li> <li>Operating voltage at base speed:</li> </ol>	1500 RF	PM							
	110 1/10	RMS							
6. Continuous stall torque, max, at max winding temperature in a 40C ambient:	10.2 Nm	i (90 lb	o-in)						
7. Winding temperature, max, in a 40C ambient:	140 deg	rees C	;						
8. Continuous stall current, max:	7.00 Am	ps 0 to	o peak						
<ol> <li>8. Continuous stall current, max:</li> <li>9. Heatsink size, aluminum, attached to front mounting flange for continuous torque specifications:</li> </ol>	305 x 30	)5 x 12	2.7mm	(12 x 1	2 x 0.5	5 inch)			
10. Peak stall torque, max:	27.1 Nm	i (240 l	lb-in)						
11. Peak stall current, max:	22.30 Aı	mps 0	to pea	k					
12. Rated Speed (Speed at max continous power)	3500								
13. Continuous output rating, max at rated speed:	2.00 kW	(2.68	hp)						
14. Continuous torque, max, at rated speed:	7.0 INIII (	(67 lb-i	in)						
<ul><li>15. Continuous current, Ref, at rated speed:</li><li>16. Operating voltage, Ref (Not for direct connection to AC line):</li><li>17. Insulation closes</li></ul>	4.8 Amp	s 0 to	peak						
16. Operating voltage, Ref (Not for direct connection to AC line):	480 VAC	C RMS							
17. Insulation class:	155C (C	lass F	)						
18. Housing temperature, max:	125C (2	57F)							
<ol> <li>Housing temperature, max:</li> <li>Ke, +/-10%, phase to phase at 25C +/- 5C:</li> <li>Kt (cipe) Bef. at 25C +/- 5C:</li> </ol>	212 V/k	RPM 0	to pea	ak					
20. RI (SINE), REI, al 250 +/- 50.	1.75 111	/Amp	(15.52	lb-in/A	.mp) 0	to peak			
21. Winding resistance, $+/-10%$ , phase to phase at $250 +/-50$ .	4.249 0	nms							
22. Winding inductance, Ref, phase to phase:	43.98 m	Н							
23. Dielectric rating of motor power connections (U, v, w), to ground for 1 second:	1000 V <i>F</i>	C RM	S 50/6	0 Hz					
24. Audible noise, Ref, at 1 meter distance:	XX dBA								
25. Rotor inertia, +/- 10%:	0.00122	3 kg-m	1² (0.0′	1082 lb	-in-sec	<sup>2</sup> )			
26. Rotor balancing quality grade:	G-6.3								
27. Friction torque, Ref:	0.15 Nm	ı (1.35	lb-in)						
28. Friction torque, Ref, with shaft seal option installed:	0.15 Nm	n (1.3 lk	b-in)						
29. Cogging torque, Ref:	0.060 N	m (0.5	3 lb-in)	) peak t	to peal	ĸ			
30. Thermal resistance, Ref, winding to ambient:	0.49 deg	grees C	C/watt						
31. Thermal time constant, Ref, winding to ambient:	30.5 mir	nutes							
32. Product weight, Ref:	9.6 kg (2	kg (21.2 lb)							
				85 kg (23.9 lb)					
34. Operating ambient temperature:	0C to 40	)C (32F	F to 10	04F)					
Notes:									
1. "Ref" denotes untoleranced specifications, provided for reference only.									
2. Speed, torque and current specifications are for operation with Allen Bradley drives.									
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Dr. Scott Johnson Date 08-26-0	19								

General Specifications, continued:	
35. Storage ambient temperature:	-30C to 70C (-22F to 158F)
36. Relative humidity, non-condensing:	5% to 95%
37. Liquid / dust protection:	IP66
38. Shock, max, 6 msec duration:	20 g peak
39. Vibration, max, 30 to 2000 Hz:	2.5 g peak
40. Shaft material:	Steel, 1144
41. Paint, color:	Black
42. Shaft, key (if provided), front mounting surface, and connector mating surfaces are not pair	nted.

Feedback Specifications:							
1. SIN, COS waveform output:				24 sinusoio			
2. SIN, COS waveform amplitud	de, ± 10%:		1.0	VAC peal			
<ol><li>SIN -, COS - voltage offset w</li></ol>	ith respect to ECOM ±0.3 VDC:		2.2	to 2.8 VD	С		
4. EPWR 5V (encoder power) ir	nput voltage:		N/A	-			
3. EPVK 3V CONTINUOUS INDULC	uneni.max. al 5.0 VDC.		IN/ <i>F</i>	4			
6. EPWR 5V inrush input currer				4			
<ol><li>EPWR 9V (encoder power) ir</li></ol>	nput voltage:		7.0	to 12.0 V	DC		
8. EPWR 9V continuous input c	urrent, max, at 9.0 VDC:		80	mADC			
9. EPWR 9V inrush input currer	nt, max, when connected to Kinetix6000	drive:					
<ol><li>TS+, TS- thermostat operation</li></ol>	ing voltage, max:		250	) Volts			
11. TS+, TS- thermostat continu	uous current, max, at 0.6 power factor:		1.6	Amps			
12. TS+, TS- thermostat continu	uous current, max, at 1.0 power factor:		2.5	Amps			
13. DATA+, DATA- signal type,	rate environmenter		DC	485, 9600	) baud		
14. Communication hierarchy:	Encoder is slave, communication is exte	ernally initiated.					
15. Single turn absolute position	<u> </u>			o 32,767 (′	15 bit)		
16. Absolute position data: Bina	ary, value increases with CW shaft rotat	ion viewing motor mountir	ng face.				
17. Data (byte) format: Start bit	t, 8 data bits, parity bit, stop bit.						
18. Memory storage capacity, E	EPROM:		128	3 bytes			
19. Encoder temperature data:	Binary value of encoder temperature in	degrees C.					
	pecifications, provided for reference only	у.					
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		Dr. Scott Johnson	Date 08-26-09	<b>7</b> • •			





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