

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 RPM				
 Base speed (max speed at peak torque), Ref: Operating voltage at base speed: 	1500 RPM				
J. Operating voltage at base speed.	110 07 10 1	MS			
6. Continuous stall torque, max, at max winding temperature in a 40C ambient:	10.2 Nm (9	0 lb-in)			
7. Winding temperature, max, in a 40C ambient:	140 degree	es C			
8. Continuous stall current, max:	7.00 Amps	0 to pea	ak		
 8. Continuous stall current, max: 9. Heatsink size, aluminum, attached to front mounting flange for continuous torque specifications: 	305 x 305 x	(12.7mi	m (12 x 12	2 x 0.5 inch)	
10. Peak stall torque, max:	27.1 Nm (2	40 lb-in))		
11. Peak stall current, max:	22.30 Amp	s 0 to pe	eak		
12. Rated 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 (07	lb-in)			
15. Continuous current, Ref, at rated speed:16. Operating voltage, Ref (Not for direct connection to AC line):17. Insulation closes:	4.8 Amps (to peak	κ.		
16. Operating voltage, Ref (Not for direct connection to AC line):	480 VAC F	MS			
17. Insulation class:	155C (Clas	s F)			
18. Housing temperature, max:	125C (257	=)			
 Housing temperature, max: Ke, +/-10%, phase to phase at 25C +/- 5C: Kt (cipa) Bef. at 25C +/- 5C: 	212 V/kRP	M 0 to p	eak		
20. RI (SINE), REI, di 200 +/- 50.	1.75 NIII/A	mp (15.5	52 lb-in/Ar	mp) 0 to peak	
21. Winding resistance, $+/-10%$, phase to phase at $250 +/-50$:	4.249 0000	5			
22. Winding inductance, Ref, phase to phase:	43.98 mH				
23. Dielectric rating of motor power connections (0, v, v), to ground for 1 second:	1000 VAC	RMS 50	/60 Hz		
24. Audible noise, Ref, at 1 meter distance:	XX dBA				
25. Rotor inertia, +/- 10%:	0.001223 k	g-m² (0.	01082 lb-	in-sec²)	
26. Rotor balancing quality grade:	G-6.3				
27. Friction torque, Ref:	0.15 Nm (1	.35 lb-in)		
28. Friction torque, Ref, with shaft seal option installed:	0.15 Nm (1	.3 lb-in)			
29. Cogging torque, Ref:	0.060 Nm (0.53 lb-i	in) peak to	o peak	
30. Thermal resistance, Ref, winding to ambient:	0.49 degre	es C/wa	tt		
31. Thermal time constant, Ref, winding to ambient:	30.5 minut	es			
32. Product weight, Ref:	9.6 kg (21.	2 lb)			
33. Snipping weight, Rei:	10.85 kg (2	3.9 lb)			
34. Operating ambient temperature:	0C to 40C	(32F to ⁻	104F)		
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				•••

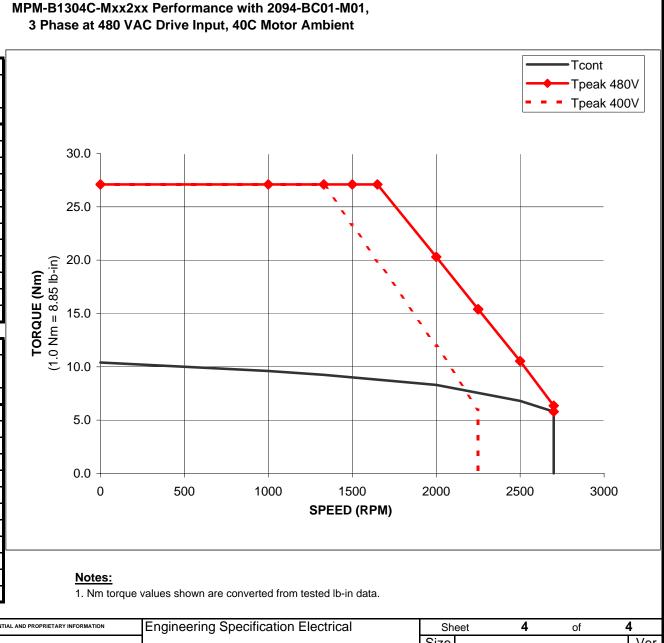
General Specifications, continued:	
35. Storage ambient temperature:	-30C to 70C (-22F to 158F)
36. Relative humidity, non-condensing:	5% to 95%
37. Liquid / dust protection:	IP66
38. Shock, max, 6 msec duration:	20 g peak
39. Vibration, max, 30 to 2000 Hz:	2.5 g peak
40. Shaft material:	Steel, 1144
41. Paint, color:	Black

42. Shaft, key (if provided), front mounting surface, and connector mating surfaces are not painted.

Feedback Specifications:

1. SIN, COS waveform output:			1024	4 sinusoi	ds/rev		
	1		1 0 1	VAC peal	k to peak		
3. SIN -, COS - voltage offset w	ith respect to ECOM ± 0.3 VDC:		2.5 `	VDC			
4. EPWR 5V (encoder power) in	nput voltage:		N/A				
5. EPWR 5V continuous input o	urrent.max. at 5.0 VDC:		N/A				
6. EPWR 5V inrush input currer	nt, max, when connected to Kinetix6000	drive:	N/A				
7. EPWR 9V (encoder power) in	nput voltage:		7.0	to 12.0 V	DC		
 EPWR 9V continuous input of 	urrent.max. at 9.0 VDC:		80 n	nADC			
9. EPWR 9V inrush input currer	nt, max, when connected to Kinetix6000	drive:	3.9	ADC			
TS+, TS- thermostat operat	ing voltage, max:		250	Volts			
11. TS+, TS- thermostat continu	Lous 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, asynchronous:		RS -	485, 9600) baud		
14. Communication hierarchy:	rate, asynchronous: Encoder is slave, communication is exte	ernally initiated.					
				32,767 (*	15 bit)		
16. Absolute position data: Bin	n value range: ary, value increases with CW shaft rotat	ion viewing motor mountin	g face.				
17. Data (byte) format: Start bi	t, 8 data bits, parity bit, stop bit.						
18. Memory storage capacity, E	EPROM:		128	bytes			
19. Encoder temperature data:	Binary value of encoder temperature in	degrees C.					
Notes:							
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