

General Specifications:						
1. Motor type: 3 phase, wye winding, permanent magnet rotor, totally enclosed, non-ventilated.						
2. Motor poles:	8					
3. Operating Speed, max	4000 RPI	Л				
 Base speed (max speed at peak torque), Ref: Operating voltage at base speed: 	2800 RPI	Л				
	220 0710	AC RMS				
Continuous stall torque, max, at max winding temperature in a 40C ambient:	9.3 Nm (8	n (82 lb-in)				
7. Winding temperature, max, in a 40C ambient:	140 degr	egrees C				
8. Continuous stall current, max:	19.65 Am	ps 0 to	peak			
 8. Continuous stall current, max: 9. Heatsink size, aluminum, attached to front mounting flange for continuous torque specifications: 	305 x 305	5 x 12.7	mm (12 x	12 x 0.8	5 inch)	
10. Peak stall torque, max:	19.3 Nm	(171 lb-	in)			
11. Peak stall current, max:	48.39 Am	ps 0 to	peak			
12. Rated Speed (Speed at max continous power)	3500					
13. Continuous output rating, max at rated speed:	2.20 kW	2.95 hp)			
14. Continuous torque, max, at rated speed:	6.0 Nm (5	i3 lb-in)				
15. Continuous current, Ref, at rated speed:	11.5 Amp					
 15. Continuous current, Ref, at rated speed: 16. Operating voltage, Ref (Not for direct connection to AC line): 	240 VAC	VAC RMS				
17. Insulation class:		(Class F)				
18. Housing temperature, max:	125C (25	7F)				
 18. Housing temperature, max: 19. Ke, +/-10%, phase to phase at 25C +/- 5C: 20. Kt (circa) Bet, et 25C +/- 5C: 	70 V/kRP	M 0 to p	beak			
20. Kt (sine), Rei, at 250 +/- 50:	0.00 1111/	Amp (5.	12 lb-in/A	mp) 0 to	o peak	
21. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C:	0.555 ohi	ns				
22. Winding inductance, Ref, phase to phase:	4.66 MH					
23. Dielectric rating of motor power connections (U,V,W), to ground for 1 second:	1800 VA	RMS	50/60 Hz			
24. Audible noise, Ref, at 1 meter distance:	XX dBA					
25. Rotor inertia, +/- 10%:	0.001223	kg-m² (0.01082	lb-in-sec	C ²)	
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-i	n)			
29. Cogging torque, Ref:	0.060 Nm (0.53 lb-in) peak to peak					
30. Thermal resistance, Ref, winding to ambient:	Thermal resistance, Ref, winding to ambient: 0.49 degrees C/watt					
31. Thermal time constant, Ref, winding to ambient:	nal time constant, Ref, winding to ambient: 30.5 minutes					
32. Product weight, Ref:	11.7 kg (25.7 lb)					
33. Snipping weight, Rei:	12.94 kg (28.5 ld)					
34. Operating ambient temperature:	0C to 400	C (32F t	o 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)9	•				

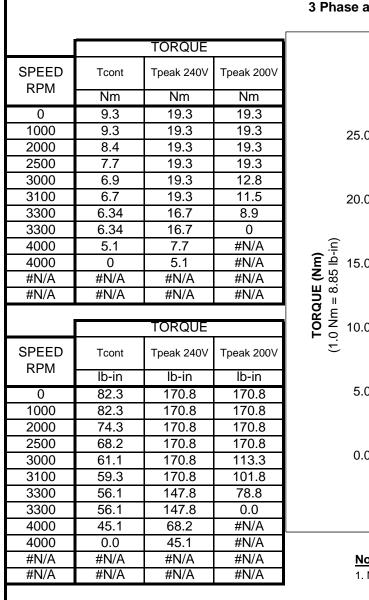
36. Relative humidity, non-condensing: 56 37. Liquid / dust protection: IF 38. Shock, max, 6 msec duration: 20 39. Vibration, max, 30 to 2000 Hz: 2. 40. Shaft material: 2. 40. Shaft material: S 41. Paint, color: B 42. Shaft, key (if provided), front mounting surface, and connector mating surfaces are not painted. Feedback Specifications: 1. SIN, COS waveform output: 10 2. Sin, COS waveform amplitude, ± 10%: 1. 3. SIN -, COS - voltage offset with respect to ECOM ±0.3 VDC: 2. 4. EPWR 5V (encoder power) input voltage: 4. 5. EPWR 5V continuous input current, max, at 5.0 VDC: 11 6. EPWR 5V inrush input current, max, when connected to Kinetix6000 drive: 3. 7. EPWR 9V (encoder power) input voltage: N 8. EPWR 9V continuous input current, max, at 9.0 VDC: N	4.5 to 12.0 VDC 125 mADC 3.2 ADC		
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9 EPWR 9V inrush input current max, when connected to Kinetix6000 drive	N/A		
	N/A		
10. TS+, TS- thermostat operating voltage, max: 25	250 Volts		
	1.6 Amps		
12. TS+, TS- thermostat continuous current, max, at 1.0 power factor:	2.5 Amps		
13. DATA+, DATA- signal type, rate, asynchronous:	RS 485, 9600 baud		
14. Communication hierarchy: Encoder is slave, communication is externally initiated.			
15. Single turn absolute position value range: 0	0 to 32,767 (15 bit)		
16. Absolute position data: Binary, value increases with CW shaft rotation viewing motor mounting face.			
17. Data (byte) format: Start bit, 8 data bits, parity bit, stop bit.			
18. Memory storage capacity, EEPROM: 12	128 bytes		
19. Encoder temperature data: Binary value of encoder temperature in degrees C.			

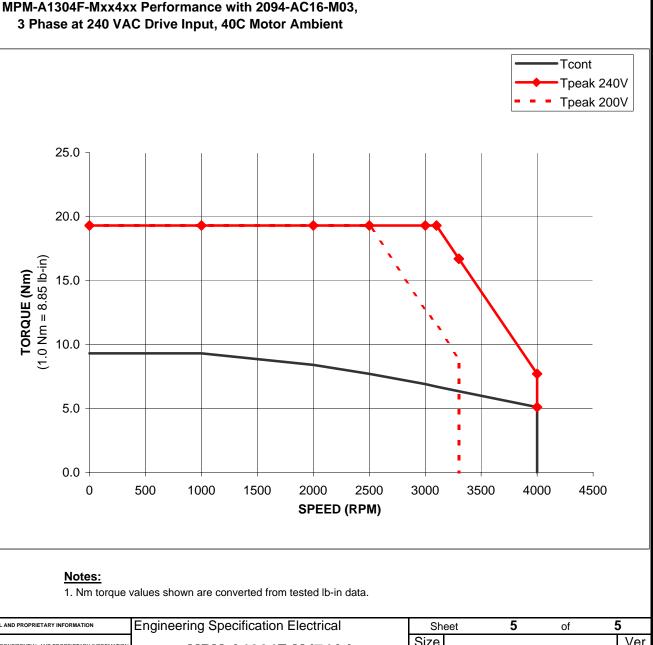
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. Type: Spring-set holding brake, releases when voltage applied.	
2. Holding torque, max:	10.2 Nm (90 lb-in)
 Voltage input, +15/-10%, may be applied either polarity: 	24 VDC
4. Current input, +/- 10%, at 24 VDC, at 25C +/- 5C:	0.64 ADC
5. Coil resistance, +/-10%, at 25C +/- 5C:	38 Ohms
5. Coil resistance, +/-10%, with motor operating at max continuous stall torque rating in a 40C ambient:	42 Ohms
7. Release time delay (when voltage applied), Ref:	110 msec
3. Engage time delay, (when voltage removed), Ref, with diode used as arc suppression device	
in external control circuit:	160 msec
9. Engage time delay, (when voltage removed), Ref, with MOV used as arc suppression device	
in external control circuit:	25 msec
0. Rotational backlash, Ref, with brake engaged:	48 arc minutes
1. Dielectric rating of brake connections (MBRK+, MBRK-) to ground for 1 second:	1200 VAC RMS 50/60 Hz

Notes:

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