

General Specifications:	
1. Motor type: 3 phase, wye winding, permanent magnet rotor, totally enclosed, non-ventilated.	
2. Motor poles:	8
3. Operating Speed, max	5000 RPM
 Base speed (max speed at peak torque), Ref: Descripting voltage at base speed: 	3000 RPM
J. Operating voltage at base speed.	220 1/10 1/10
6. Continuous stall torque, max, at max winding temperature in a 40C ambient:	10.7 Nm (95 lb-in)
7. Winding temperature, max, in a 40C ambient:	140 degrees C
8. Continuous stall current, max:	30.96 Amps 0 to peak
 8. Continuous stall current, max: 9. Heatsink size, aluminum, attached to front mounting flange for continuous torque specifications: 	305 x 305 x 12.7mm (12 x 12 x 0.5 inch)
10. Peak stall torque, max:	20.5 Nm (181 lb-in)
11. Peak stall current, max:	73.82 Amps 0 to peak
12. Rated Speed (Speed at max continous power)	3000
13. Continuous output rating, max at rated speed:	2.50 KVV (3.55 NP)
14. Continuous torque, max, at rated speed:	7.93 Nm (70 lb-in)
15. Continuous current, Ref, at rated speed:	20.5 Amps 0 to peak
15. Continuous current, Ref, at rated speed:16. Operating voltage, Ref (Not for direct connection to AC line):	240 VAC RMS
17. Insulation class:	
18. Housing temperature, max:	125C (257F)
 Housing temperature, max: Ke, +/-10%, phase to phase at 25C +/- 5C: K(t (aina)) Bat, at 25C +/- 5C: 	52 V/kRPM 0 to peak
20. Kt (sine), Ref, at 25C +/- 5C:	0.43 Nm/Amp (3.81 lb-in/Amp) 0 to peak
21. Winding resistance, +/- 10%, phase to phase at 250 +/- 50.	0.224 011115
22. Winding inductance, Ref, phase to phase:	3.81 mH
23. Dielectric rating of motor power connections (U, V, W), to ground for T second:	
24. Audible noise, Ref, at 1 meter distance:	XX dBA
25. Rotor inertia, +/- 10%:	0.006745 kg-m ² (0.05970 lb-in-sec ²)
26. Rotor balancing quality grade:	G-6.3
27. Friction torque, Ref:	0.44 Nigg $(4.07$ Hz ig)
28. Friction torque, Ref, with shaft seal option installed:	
29. Cogging torque, Ref:	0.11 Nm (1.0 lb-in) peak to peak
30. Thermal resistance, Ref, winding to ambient:	0.45 degrees C/watt
31. Thermal time constant, Ref, winding to ambient:	33.5 minutes
32. Product weight, Ref:	17.9 Kg (39.5 lb)
33. Shipping weight, Rei.	20.95 Kg (40.1 ID)
34. Operating ambient temperature:	0C to 40C (32F to 104F)
NOLES.	
 "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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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.

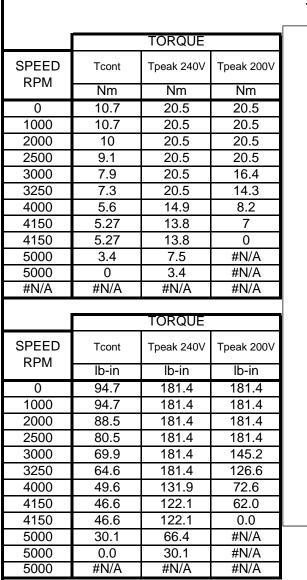
Feedback Specifications:

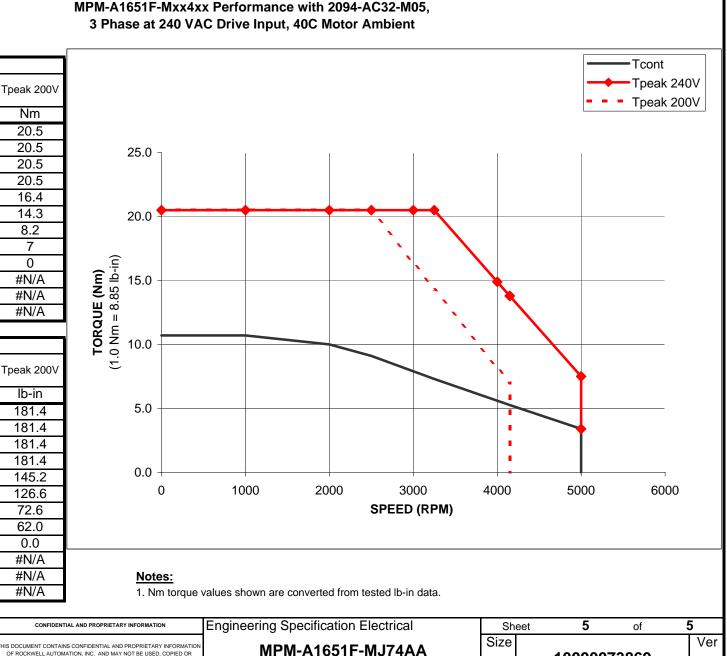
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<u>Notes:</u> 1. "Ref" denotes untoleranced spe	ecifications, provided for reference only	у.					
 Data (byte) format: Start bit, a Memory storage capacity, EE 			129	bytes			
	ate, asynchronous: ncoder is slave, communication is exte value range:		0.1	32,767 (15 bit)		
13. DATA+, DATA- signal type, ra	ate, asynchronous:		RS 4	485, 960	0 baud		
12. TS+, TS- thermostat continuo	bus current, max, at 1.0 power factor:		2.5 /	Amps			
11. TS+. TS- thermostat continuo	bus current, max, at 0.6 power factor:			Amps			
10. TS+, TS- thermostat operating	14		050	Volts			
	rrent,max, at 9.0 VDC: , max, when connected to Kinetix6000		00 11				
EPWR 9V (encoder power) inp	out voltage:		7.0 t	o 12.0 V	DC		
EPWR 5V inrush input current,							
5. EPWR 5V continuous input cu	rrent.max. at 5.0 VDC:		N/A				
4. EPWR 5V (encoder power) inp	out voltage:						
3. SIN -, COS - voltage offset with	h respect to ECOM ± 0.3 VDC:		2.5	/DC	·		
2 SIN COS wayafarm amplituda	e. ± 10%:		1 0 \		k to peak		
1. SIN, COS waveform output:			1024	1 sinusoi	ds/rev		

 Type: Spring-set holding brake, releases when voltage applied. 	
2. Holding torque, max:	28.3 Nm (250 lb-in)
 Voltage input, +15/-10%, may be applied either polarity: 	24 VDC
4. Current input, +/- 10%, at 24 VDC, at 25C +/- 5C:	1.17 ADC
5. Coil resistance, +/-10%, at 25C +/- 5C:	20.5 Ohms
5. Coil resistance, +/-10%, with motor operating at max continuous stall torque rating in a 40C ambient:	26.7 Ohms
7. Release time delay (when voltage applied), Ref:	70 msec
3. Engage time delay, (when voltage removed), Ref, with diode used as arc suppression device	
in external control circuit:	250 msec
9. Engage time delay, (when voltage removed), Ref, with MOV used as arc suppression device	
in external control circuit:	50 msec
 Rotational backlash, Ref, with brake engaged: 	25 arc minutes
 Dielectric rating of brake connections (MBRK+, MBRK-) to ground for 1 second: 	1200 VAC RMS 50/60 H

Notes:

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