

General Specifications:					
1. Motor type: 3 phase, wye winding, permanent magnet rotor, totally enclosed, non-ventilated.					
2. Motor poles:	8				
3. Operating Speed, max	7000 RPM				
 4. Base speed (max speed at peak torque), Ref: 5. Operating voltage at base speed: 	5900 RPM				
5. Operating voltage at base speed:	440 VAC RM	/IS			
 Operating voltage at base speed. Continuous stall torque, max, at max winding temperature in a 40C ambient: 		lb-in)			
7. Winding temperature, max, in a 40C ambient:	140 degrees				
8. Continuous stall current, max:	11.02 Amps		ık		
 8. Continuous stall current, max: 9. Heatsink size, aluminum, attached to front mounting flange for continuous torque specifications: 	305 x 305 x	•		0.5 inch)	
10. Peak stall torque, max:			·	,	
11. Peak stall current, max:	07 07 4		ık		
12. Rated Speed (Speed at max continous power)					
13. Continuous output rating, max at rated speed:		38 hp)			
14. Continuous torque, max, at rated speed:	3.32 Nm (29				
15. Continuous current, Ref, at rated speed:	7.3 Amps 0				
15. Continuous current, Ref, at rated speed: 7.3 Amps 0 t 16. Operating voltage, Ref (Not for direct connection to AC line): 480 VAC RM			MS		
17. Insulation class: 155C (Class F)					
18. Housing temperature, max: 125C (257F)					
 18. Housing temperature, max: 19. Ke, +/-10%, phase to phase at 25C +/- 5C: 20. K(value), Bat at 25C v/ 50 	61 V/kRPM	0 to peal	k		
20. Kt (sine), Ret, at 250 +/- 50:	0.504 MIII/A	mp (4.46	blb-in/Amp)	0 to peak	
21. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C:	1.21 ohms				
22. Winding inductance, Ref, phase to phase:	6.75 MH				
23. Dielectric rating of motor power connections (U,V,W), to ground for 1 second:	1800 VAC R	MS 50/6	60 Hz		
24. Audible noise, Ref, at 1 meter distance:	XX dBA				
25. Rotor inertia, +/- 10%:	0.00077 kg-	m² (0.00	681 lb-in-se	eC ²)	
26. Rotor balancing quality grade:	G-6.3				
27. Friction torque, Ref:	0.09 Nm (0.8	30 lb-in)			
28. Friction torque, Ref, with shaft seal option installed:	0.38 Nm (3.4	4 lb-in)			
29. Cogging torque, Ref:		.37 lb-in) peak to pe	eak	
30. Thermal resistance, Ref, winding to ambient:	0.54 degree	s C/watt			
31. Thermal time constant, Ref, winding to ambient:	24.5 minutes	5			
32. Product weight, Ref:	6.9 kg (15.2	lb)			
33. Shipping weight, Ref.	. o. i o kg (i / .				
34. Operating ambient temperature:	0C to 40C (3	32F to 10)4F)		
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 p	painted.

Feedback Specifications:

Automation	THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION OF ROCKWELL AUTOMATION, INC. AND MAY NOT BE USED, COPIED OR DISCLOSED TO OTHERS, EXCEPT WITH THE AUTHORIZED WRITTEN PERMISSION OF ROCKWELL AUTOMATION, INC.	MPM-B115	2T-SJ74AA Date 08-26-09	Size	1000007	′3869	Ver 01
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<u>Notes:</u> 1. "Ref" denotes untoleranced s	pecifications, provided for reference only	у.					
 Data (byte) format: Start bit Memory storage capacity, E 		~ 	-	28 bytes			
15. Single turn absolute position	Encoder is slave, communication is extension is extension is extension of the state	ernally initiated.	C) to 32,767 (1	5 bit)		
13. DATA+, DATA- signal type,				RS 485, 9600) baud		
12. TS+, TS- thermostat continu	 TS+, TS- thermostat continuous current, max, at 0.6 power factor: TS+, TS- thermostat continuous current, max, at 1.0 power factor: 		2	2.5 Amps			
10. TS+, TS- thermostat operat	ing voltage, max:			250 Volts I.6 Amps			
9. EPWR 9V inrush input currer	nt, max, when connected to Kinetix6000	drive:	3	3.9 ADC 250 Volts			
EPWR 9V continuous input c	current,max, at 9.0 VDC:		8	30 mADC			
7. EPWR 9V (encoder power) in	nput voltage:		7	7.0 to 12.0 VI	C		
5. EPWR 5V continuous input of 6. EPWR 5V inrush input current	nt, max, when connected to Kinetix6000	drive		∿/A \/A			
4. EPWR 5V (encoder power) in	nput voltage:		ין א	N/A N/A			
3. SIN -, COS - voltage offset w	th respect to ECOM ± 0.3 VDC:		2	2.2 to 2.8 VD	C		
2. SIN, COS waveform amplitud	1- 100/-		1	I.0 VAC peak			
1. SIN, COS waveform output:			1	024 sinusoid	ls/rev		

. Type: Spring-set holding brake, releases when voltage applied.	
2. Holding torque, max:	4.18 Nm (37 lb-in)
 Voltage input, +15/-10%, may be applied either polarity: 	24 VDC
I. Current input, +/- 10%, at 24 VDC, at 25C +/- 5C:	0.50 ADC
5. Coil resistance, +/-10%, at 25C +/- 5C:	48 Ohms
Coil resistance, +/-10%, with motor operating at max continuous stall torque rating in a 40C ambient:	53 Ohms
7. Release time delay (when voltage applied), Ref:	50 msec
B. Engage time delay, (when voltage removed), Ref, with diode used as arc suppression device	
in external control circuit:	110 msec
Engage time delay, (when voltage removed), Ref, with MOV used as arc suppression device	
in external control circuit:	20 msec
0. Rotational backlash, Ref, with brake engaged:	45 arc minutes
1. Dielectric rating of brake connections (MBRK+, MBRK-) to ground for 1 second:	1200 VAC RMS 50/60 H;

Notes:

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