

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 F	RPM				
<ol> <li>4. Base speed (max speed at peak torque), Ref:</li> <li>5. Operating voltage at base speed:</li> </ol>	6000 F	RPM				
	110 17	AC RM	S			
6. Continuous stall torque, max, at max winding temperature in a 40C ambient:	5.99 N	m (53 l	b-in)			
7. Winding temperature, max, in a 40C ambient:	140 de	grees	С			
8. Continuous stall current, max:	16.83 /	Amps (	) to pea	ak		
<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 3	305 x 1	2.7mm	n (12 x 12	2 x 0.5 inch)	
10. Peak stall torque, max:	13.5 N	m (119	lb-in)			
11. Peak stall current, max:		Amps (	) to pea	ak		
12. Rated Speed (Speed at max continous power)	4000					
13. Continuous output rating, max at rated speed:	1.65 k\	N (2.21	l hp)			
14. Continuous torque, max, at rated speed.	3.9 111	n (35 lb	-in)			
<ul> <li>15. Continuous current, Ref, at rated speed:</li> <li>16. Operating voltage, Ref (Not for direct connection to AC line):</li> </ul>	9.4 Am	nps 0 to	o peak			
16. Operating voltage, Ref (Not for direct connection to AC line):	480 VA	AC RM	S			
17. Insulation class:	155C (	Class I	F)			
18. Housing temperature, max:	125C (	257F)				
<ul> <li>18. Housing temperature, max:</li> <li>19. Ke, +/-10%, phase to phase at 25C +/- 5C:</li> <li>20. Kt (airs), Bet, et 25C +/- 5C:</li> </ul>	56 V/kl	RPM 0	to pea	ık		
20. Kt (sine), Rei, at 250 +/- 50:	0.4031	Nm/Am	p (4.10	0 lb-in/Ar	np) 0 to peal	ĸ
21. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C:	0.734 (	ohms				
22. Winding inductance, Ref, phase to phase:	6.08 m					
23. Dielectric rating of motor power connections (U,V,W), to ground for 1 second:	1800 V	AC RN	/IS 50/	60 Hz		
24. Audible noise, Ref, at 1 meter distance:	XX dB/	A				
25. Rotor inertia, +/- 10%:	0.0009	83 kg-i	m² (0.0	0870 lb-	in-sec²)	
26. Rotor balancing quality grade:	G-6.3					
27. Friction torque, Ref:	~	Nm (1.0	01 lb-ir	n)		
28. Friction torque, Ref, with shaft seal option installed:		m (1.2	lb-in)			
29. Cogging torque, Ref:	0.037			n) peak to	o peak	
30. Thermal resistance, Ref, winding to ambient:	0.57 de	egrees	C/wat	t		
31. Thermal time constant, Ref, winding to ambient:	26.5 m	inutes				
32. Product weight, Ref:	8.6 Kg					
33. Snipping weight, Rei:	9.94 KQ					
34. Operating ambient temperature:	OC to 4	40C (32	2F to 1	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-	09					•••

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
40. Objects loss (if a new ideal) for a tangentian and an analysis and the new formation and the instant	

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

## Feedback Specifications:

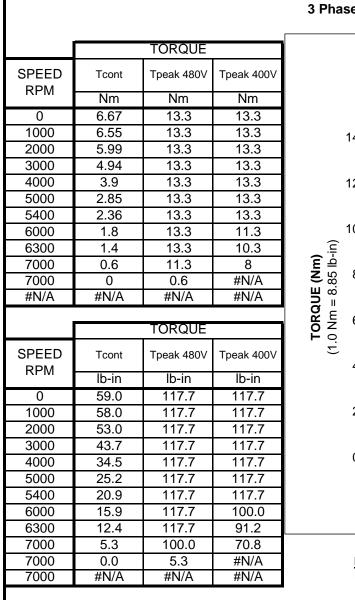
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<u>Notes:</u> 1. "Ref" denotes untoleranced s	pecifications, provided for reference onl	у.				
<ol> <li>Data (byte) format: Start bi</li> <li>Memory storage capacity, E</li> </ol>			1	28 bytes		
15. Single turn absolute positio				to 32,767 (1	5 bit)	
13. DATA+, DATA- signal type,	rate, asynchronous:		P	S 485, 9600	baud	
12. TS+, TS- thermostat contin	uous current, max, at 1.0 power factor:		2	.5 Amps		
11. TS+, TS- thermostat contin	uous current, max, at 0.6 power factor:		1	.6 Amps		
<ol><li>TS+. TS- thermostat operat</li></ol>	ing voltage, max:		2	50 Volts		
9. EPWR 9V inrush input curre	nt, max, when connected to Kinetix6000	drive:	3	.9 ADC		
8. EPWR 9V (encoder power) 1	nput voltage:		، 8	0 mADC		
6. EPWR 5V Inrush Input curre	, ,			i/A .0 to 12.0 VE		
5. EPWR 5V continuous input o	current,max, at 5.0 VDC:	drive:	N	I/A		
4. EPWR 5V (encoder power) I	nput voltage:		IN IN	I/A		
3. SIN -, COS - voltage offset w	de, ± 10%: vith respect to ECOM ±0.3 VDC:		2	.5 VDC		
2. SIN, COS waveform amplitud	de, ± 10%:		1	.0 VAC peak	to peak	
1. SIN, COS waveform output:			1	024 sinusoid	ls/rev	

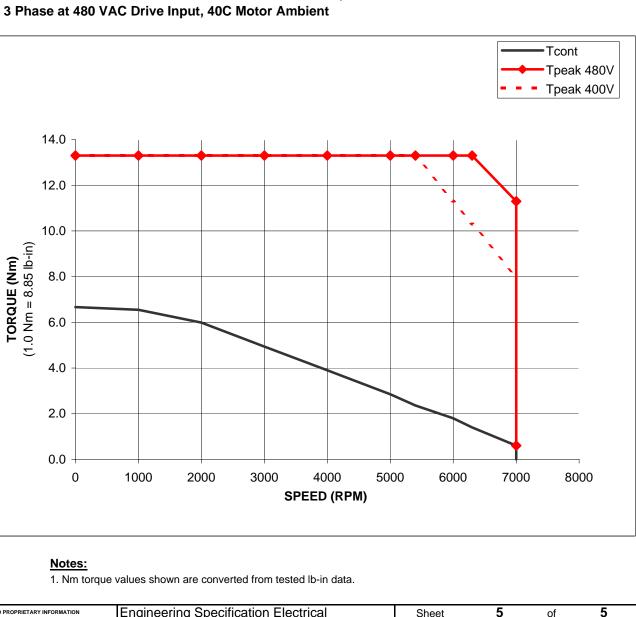
. Type: Spring-set holding brake, releases when voltage applied.	
2. Holding torque, max:	10.2 Nm (90 lb-in)
<ol> <li>Voltage input, +15/-10%, may be applied either polarity:</li> </ol>	24 VDC
I. Current input, +/- 10%, at 24 VDC, at 25C +/- 5C:	0.64 ADC
5. Coil resistance, +/-10%, at 25C +/- 5C:	38 Ohms
<ol><li>Coil resistance, +/-10%, with motor operating at max continuous stall torque rating in a 40C ambient:</li></ol>	42 Ohms
7. Release time delay (when voltage applied), Ref:	110 msec
B. 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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MPM-B1302T-Mxx4xx Performance with 2094-BC04-M03,