

General Specifications:	
1. Motor type: 3 phase, wye winding, permanent magnet rotor, totally enclosed, non-ventilated.	
2. Motor poles:	8
3. Operating Speed, max	4500 RPM
<ol> <li>Base speed (max speed at peak torque), Ref:</li> <li>Operating voltage at base speed:</li> </ol>	3100 RPM
J. Operaling vollage al base speed.	
<ol><li>Continuous stall torque, max, at max winding temperature in a 40C ambient:</li></ol>	19.4 Nm (172 lb-in)
7. Winding temperature, max, in a 40C ambient:	140 degrees C
8. Continuous stall current, max:	28.74 Amps 0 to peak
<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 305 x 12.7mm (12 x 12 x 0.5 inch)
10. Peak stall torque, max:	48 Nm (425 lb-in)
11. Peak stall current, max:	84.12 Amps 0 to peak
12. Rated Speed (Speed at max continous power)	3500
13. Continuous output rating, max at rated speed:	4.30 KVV (3.76 NP)
14. Continuous torque, max, at rated speed:	11.8 Nm (104 lb-in)
15. Continuous current, Ref, at rated speed:	15.5 Amps 0 to peak
<ul><li>15. Continuous current, Ref, at rated speed:</li><li>16. Operating voltage, Ref (Not for direct connection to AC line):</li></ul>	480 VAC RMS
17. Insulation class:	
18. Housing temperature, max:	125C (257F)
<ol> <li>Housing temperature, max:</li> <li>Ke, +/-10%, phase to phase at 25C +/- 5C:</li> <li>Kt (aina). Bot at 25C +/- 5C:</li> </ol>	102 V/kRPM 0 to peak
20. Kt (sine), Ref, at 25C +/- 5C:	0.84 Nm/Amp (7.47 lb-in/Amp) 0 to peak
21. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C.	0.525 011115
22. Winding inductance, Ref, phase to phase:	6.61 mH
23. Dielectric rating of motor power connections (U,V,VV), to ground for 1 second:	
24. Audible noise, Ref, at 1 meter distance:	XX dBA
25. Rotor inertia, +/- 10%:	0.007405 kg-m <sup>2</sup> (0.06554 lb-in-sec <sup>2</sup> )
26. Rotor balancing quality grade:	G-0.3
27. Friction torque, Ref:	0.007 Max (0.00 Hz in)
28. Friction torque, Ref, with shaft seal option installed:	0.37 Nm (3.27 lb-in)
29. Cogging torque, Ref:	0.16 Nm (1.41 lb-in) peak to peak
30. Thermal resistance, Ref, winding to ambient:	0.37 degrees C/watt
31. Thermal time constant, Ref, winding to ambient:	50 minutes
32. Product weight, Ref:	23.2 Kg (51.1 lb)
33. Shipping weight, Kei.	20.47 KY (30.3 ID)
34. Operating ambient temperature:	0C to 40C (32F to 104F)
<u>NOLES.</u>	
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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	A 10000073869 01
Dr. Scott Johnson Date 08-26-0	

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.

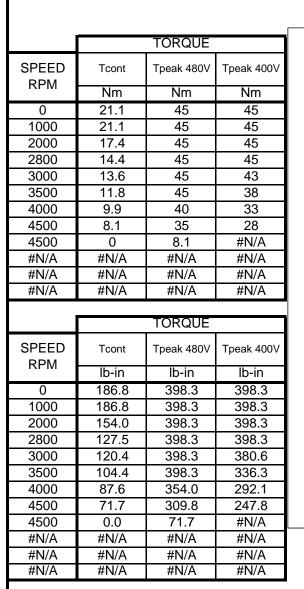
## Feedback Specifications:

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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>	t, 8 data bits, parity bit, stop bit.		400	3 bytes		
	rate, asynchronous: Encoder is slave, communication is extension n value range: ary, value increases with CW shaft rotat		_	5 32,767 (15	bit)	
				485, 9600 b	aud	
12. TS+, TS- thermostat continu	uous current, max, at 0.6 power factor: uous current, max, at 1.0 power factor:		2.5	Amps		
10. TS+, TS- thermostat operat	ing voltage, max:			) Volts Amps		
	nt, max, when connected to Kinetix6000	drive:	3.9	ADC		
<ol><li>EPWR 9V continuous input of</li></ol>	current.max. at 9.0 VDC:		80	mADC		
7. EPWR 9V (encoder power) in				to 12.0 VDC	;	
6 EPWR 5V inrush input currer	nt, max, when connected to Kinetix6000	drive:	N/A	Υ. Α		
<ol> <li>EPWR 5V (encoder power) if</li> <li>EPWR 5V continuous input of</li> </ol>	nput voltage:		N/ <i>F</i> N/ <i>L</i>			
3. SIN -, COS - voltage offset w	ith respect to ECOM $\pm 0.3$ VDC:		2.5 N/A	VDC		
2. SIN, COS waveform amplitud	de, ± 10%:		1.0	VAC peak to	o peak	
1. SIN, COS waveform output:				24 sinusoids/		

<ol> <li>Type: Spring-set holding brake, releases when voltage applied.</li> </ol>	
2. Holding torque, max:	28.3 Nm (250 lb-in)
<ol> <li>Voltage input, +15/-10%, may be applied either polarity:</li> </ol>	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
<ol> <li>Rotational backlash, Ref, with brake engaged:</li> </ol>	25 arc minutes
<ol> <li>Dielectric rating of brake connections (MBRK+, MBRK-) to ground for 1 second:</li> </ol>	1200 VAC RMS 50/60 H

Notes:

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MPM-B1652F-Mxx4xx Performance with 2094-BC07-M05,