

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 R	PM				
<ol> <li>Base speed (max speed at peak torque), Ref:</li> <li>Operating voltage at base speed:</li> </ol>	6000 R	PM				
J. Operaling vollage al base speed.	110 17	C RMS	3			
<ol><li>Continuous stall torque, max, at max winding temperature in a 40C ambient:</li></ol>	2.18 Nr	m (19.3	B lb-in)			
7. Winding temperature, max, in a 40C ambient:	140 de	grees (	)			
8. Continuous stall current, max:	5.62 Ar	mps 0 t	o peak	κ (		
<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	805 x 12	2.7mm	(12 x 12	x 0.5 inch)	
10. Peak stall torque, max:	6.6 Nm	(58 lb-	-in)			
11. Peak stall current, max:	20.53 A	Amps 0	to pea	ak		
12. Rated Speed (Speed at max continous power)	5000					
13. Continuous output rating, max at rated speed:	0.90 kV	V (1.21	hp)			
14. Continuous torque, max, at rated speed:	1.69 Nr	m (15 ll	o-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>	4.4 Am	ps 0 to	peak			
16. Operating voltage, Ref (Not for direct connection to AC line):	480 VA	C RMS	6			
17. Insulation class:	155C (0	Class F	-)			
18. Housing temperature, max:	125C (2	257F)				
<ol> <li>Housing temperature, max:</li> <li>Ke, +/-10%, phase to phase at 25C +/- 5C:</li> <li>Ké (aira). Bet at 25C +/- 5C:</li> </ol>	52 V/kF	RPM 0	to pea	k		
20. Kt (sine), Rei, at 250 +/- 50:	0.45 11	m/Amp	(3.81	lb-in/Amp	o) 0 to peak	
21. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C:	2.475 c	ohms				
22. Winding inductance, Ref, phase to phase:	10.98 n	nH				
23. Dielectric rating of motor power connections (U,V,W), to ground for 1 second:	1800 V	AC RM	IS 50/6	60 Hz		
24. Audible noise, Ref, at 1 meter distance:	XX dB/	4				
25. Rotor inertia, +/- 10%:	0.0007	7 kg-m <sup>2</sup>	² (0.00	681 lb-in	-sec²)	
26. Rotor balancing quality grade:	G-6.3					
27. Friction torque, Ref:		m (0.65	i lb-in)			
28. Friction torque, Ref, with shaft seal option installed:		m (1.9 l	lb-in)			
29. Cogging torque, Ref:		Vm (0.2	25 lb-in	) peak to	peak	
30. Thermal resistance, Ref, winding to ambient:	0.71 de	egrees	C/watt			
31. Thermal time constant, Ref, winding to ambient:	16 minu	utes				
32. Product weight, Ref:	5.2 kg (	(11.4 lb	)			
33. Shipping weight, Rei:	6.8 kg (	(14.98	lb)			
34. Operating ambient temperature:	0C to 4	OC (32	F to 10	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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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 pair	nted.

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Feedback Specifications:	
1. SIN, COS waveform output:	1024 sinusoids/rev
2. SIN, COS waveform amplitude, + 10%:	1.0 VAC peak to peak
3. SIN -, COS - voltage offset with respect to ECOM +0.3 VDC:	2.2 to 2.8 VDC
4. ET WIX 3V (encoder power) input voltage.	
5 EPWR 5V continuous input current max at 5.0 VDC	N/A
<ol> <li>EPWR 5V inrush input current, max, when connected to Kinetix6000 drive:</li> </ol>	N/A
7. EPWR 9V (encoder power) input voltage:	7.0 to 12.0 VDC
<ol> <li>EPWR 9V continuous input current, max, at 9.0 VDC:</li> <li>EPWR 9V inrush input current, max, when connected to Kinetix6000 drive:</li> </ol>	3.9 ADC
10. TS+, TS- thermostat operating voltage, max:	250 Volts
11. TS+, TS- thermostat continuous current, max, at 0.6 power factor:	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:	
14. Communication hierarchy: Encoder is slave, communication is externally initiated.	
15. Single turn absolute position value range:	0 to 32,767 (15 bit)
<ol> <li>Single turn absolute position value range:</li> <li>Absolute position data: Binary, value increases with CW shaft rotation viewing motor mounting face.</li> </ol>	
17. Data (byte) format: Start bit, 8 data bits, parity bit, stop bit.	
18. Memory storage capacity, EEPROM:	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:	4.18 Nm (37 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:	0.50 ADC
5. Coil resistance, +/-10%, at 25C +/- 5C:	48 Ohms
<ol><li>Coil resistance, +/-10%, with motor operating at max continuous stall torque rating in a 40C ambient:</li></ol>	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
<ol><li>Engage time delay, (when voltage removed), Ref, with MOV used as arc suppression device</li></ol>	
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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