

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
 Base speed (max speed at peak torque), Ref: Operating voltage at base speed: 	6000 RPM
J. Operating volage at base speed.	
6. Continuous stall torque, max, at max winding temperature in a 40C ambient:	6.55 Nm (58 lb-in)
7. Winding temperature, max, in a 40C ambient:	140 degrees C
8. Continuous stall current, max:	15.95 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:	
11. Peak stall current, max:	
12. Rated Speed (Speed at max continous power)	4000
13. Continuous output rating, max at rated speed:	1.45 kW (1.94 hp)
14. Continuous torque, max, at rated speed:	3.5 Nm (31 lb-in)
15. Continuous current, Ref, at rated speed:16. Operating voltage, Ref (Not for direct connection to AC line):17. Insulation place:	7.8 Amps 0 to peak
16. Operating voltage, Ref (Not for direct connection to AC line):	480 VAC RMS
17. Insulation class:	155C (Class F)
18. Housing temperature, max:	125C (257F)
 Housing temperature, max: Ke, +/-10%, phase to phase at 25C +/- 5C: Kt (cipe) Bef. at 25C +/- 5C: 	60 V/kRPM 0 to peak
20. Kl(Sille), Kei, al 200 +/- 50.	0.490 Nill/Allp (4.59 lb-ll/Allp) 0 to peak
21. Winding resistance, +/- 10%, phase to phase at $25C$ +/- 5C.	0.64 011115
22. Winding inductance, Ref, phase to phase:	4.33 mH
23. Dielectric rating of motor power connections (0, v, vv), to ground for 1 second:	1800 VAC RIVIS 50/60 HZ
24. Audible noise, Ref, at 1 meter distance:	XX dBA
25. Rotor inertia, +/- 10%:	0.00089 kg-m ² (0.00788 lb-in-sec ²)
26. Rotor balancing quality grade:	G-6.3
27. Friction torque, Ref:	
28. Friction torque, Ref, with shaft seal option installed:	
29. Cogging torque, Ref:	0.045 Nm (0.40 lb-in) peak to peak
30. Thermal resistance, Ref, winding to ambient:	0.60 degrees C/watt
31. Thermal time constant, Ref, winding to ambient:	28 minutes
32. Product weight, Ref:	6.4 kg (14 lb)
33. Shipping weight, Rei:	7.03 KY (10.0 ID)
34. Operating ambient temperature:	0C to 40C (32F to 104F)
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
42. Shaft, key (if provided), front mounting surface, and connector mating surfaces are not painted.	

Feedback Specifications:

Feedback Specifications: 1. SIN, COS waveform output:		1024 sinus	oide/rov	,		
2 SIN COS waveform amplitude + 10%						
 SIN, COS waveform amplitude, ± 10%. SIN -, COS - voltage offset with respect to ECOM ±0.3 VDC: 		2.2 to 2.8 \		can		
			DC			
		NI/A				
 5. EPWR 5V continuous input current,max, at 5.0 VDC: 6. EPWR 5V inrush input current, max, when connected to Kinetix60 		N/A				
 EPWR 5V Inrush input current, max, when connected to Kinetix60 EDWD 0V (see a clear a super) input set to a connected to Kinetix60 		IN/A				
7. EPWR 9V (encoder power) input voltage:		7.0 to 12.0	VDC			
8. EPWR 9V continuous input current,max, at 9.0 VDC:		80 mADC				
9. EPWR 9V inrush input current, max, when connected to Kinetix60						
10. TS+, TS- thermostat operating voltage, max:		250 Volts				
11. TS+, TS- thermostat continuous current, max, at 0.6 power facto	r:	1.6 Amps				
12. TS+, TS- thermostat continuous current, max, at 1.0 power facto	r:	2.5 Amps				
 DATA+, DATA- signal type, rate, asynchronous: Communication hierarchy: Encoder is slave, communication is encoder is slave. 		RS 485, 96	00 bau	d		
	externally initiated.					
15. Single turn absolute position value range:		0 to 32,767	(15 bit))		
16. Absolute position data: Binary, value increases with CW shaft ro	tation viewing motor mounting face.					
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.					
19. Encoder temperature data. Dinary value of encoder temperature						
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