

General Specifications:						
1. Motor type: 3 phase, wye winding, permanent magnet rotor, totally enclosed, non-ventilated.						
2. Motor poles:	8					
3. Operating Speed, max	5200 I	RPM				
 4. Base speed (max speed at peak torque), Ref: 5. Operating voltage at base speed: 	3000 I					
	110 11	AC RM	S			
 Operating voltage at base speed. Continuous stall torque, max, at max winding temperature in a 40C ambient: 	4.74 N	lm (42	lb-in)			
7. Winding temperature, max, in a 40C ambient:	140 de	egrees				
8. Continuous stall current, max:	6.17 A	Amps 0		ĸ		
 8. Continuous stall current, max: 9. Heatsink size, aluminum, attached to front mounting flange for continuous torque specifications: 	305 x				x 0.5 inch)	
10. Peak stall torque, max:	13.5 N	Jm (119		·		
11. Peak stall current, max:	21.19	Amps () to pea	ak		
12. Rated Speed (Speed at max continous power)	4000					
13. Continuous output rating, max at rated speed:	1.40 k	W (1.8	8 hp)			
14. Continuous torque, max, at rated speed:	3.32 N	lm (29	lb-in)			
15. Continuous current, Ref, at rated speed:		nps 0 to				
 15. Continuous current, Ref, at rated speed: 16. Operating voltage, Ref (Not for direct connection to AC line): 	480 V	AC RM	S			
17. Insulation class:		(Class	F)			
18. Housing temperature, max:	125C	(257F)				
 18. Housing temperature, max: 19. Ke, +/-10%, phase to phase at 25C +/- 5C: 20. K((size)) Bet at 25C +/- 5C: 	109 V/	/kRPM	0 to pe	ak		
20. Kt (sine), Kei, at 250 +/- 50.	0.90 P	lm/Amp	o (7.98	lb-in/Amp) 0 to peak	
21. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C:	3.84 o	hms				
22. Winding inductance, Ref, phase to phase:	21.6 n	nH				
23. Dielectric rating of motor power connections (U,V,W), to ground for 1 second:	1800	VAC RI	NS 50/	60 Hz		
24. Audible noise, Ref, at 1 meter distance:	XX dB	BA				
25. Rotor inertia, +/- 10%:	0.0007	77 kg-n	1² (0.00	681 lb-in-	sec²)	
26. Rotor balancing quality grade:	G-6.3					
27. Friction torque, Ref:		lm (0.8	0 lb-in)			
28. Friction torque, Ref, with shaft seal option installed:	~ ~ ^ `	lm (3.4	lb-in)			
29. Cogging torque, Ref:	0.042			n) peak to	peak	
30. Thermal resistance, Ref, winding to ambient:	0.54 d	legrees	C/wat	t		
31. Thermal time constant, Ref, winding to ambient:	24.5 n	ninutes				
32. Product weight, Ref:	6.9 kg	(15.2 l	b)			
33. Snipping weight, Rei:	0. I 3 K	g (17.9				
34. Operating ambient temperature:				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					<u> </u>

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.

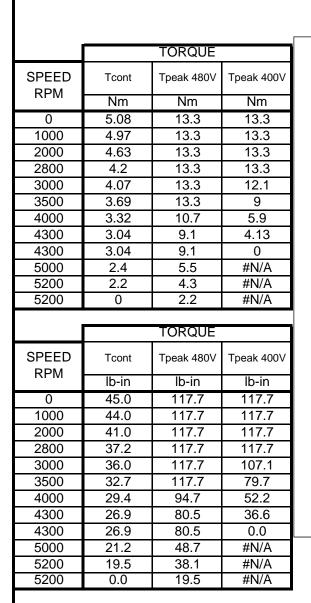
Feedback Specifications:

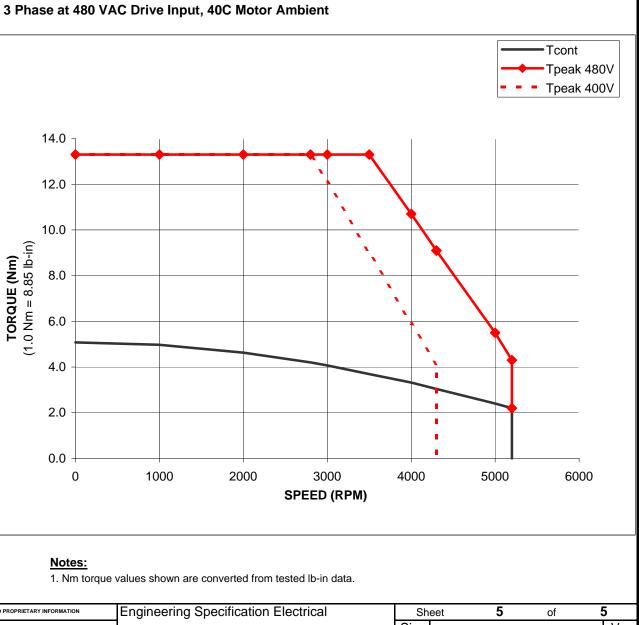
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<u>Notes:</u> 1. "Ref" denotes untoleranced s	pecifications, provided for reference onl	у.				
 Data (byte) format: Start bi Memory storage capacity, E 	t, 8 data bits, parity bit, stop bit.		400	bytes		
	rate, asynchronous: Encoder is slave, communication is extension n value range: ary, value increases with CW shaft rotat		_	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		
EPWR 9V continuous input of	current.max. at 9.0 VDC:		80 ו	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			
 EPWR 5V (encoder power) if EPWR 5V continuous input of 	nput voltage:		N/A N/A			
3. SIN -, COS - voltage offset w	ith respect to ECOM ± 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:				4 sinusoids/		

. 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
9. 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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