

General Specifications:											
1. Motor type: 3 phase, wye winding, permanent magnet rotor, totally	enclosed	l, non-ventilated.									
2. Motor poles:				8							
3. Operating Speed, max				4000	RPM						
<ol> <li>Base speed (max speed at peak torque), Ref:</li> <li>Operating voltage at base speed:</li> </ol>				2400	RPM						
$\mathbf{J}$ . Operating voltage at base speed.				110 1	AC RM	S					
6. Continuous stall torque, max, at max winding temperature in a 40C	ambient:			10.2 N	Vm (90	lb-in)					
7. Winding temperature, max, in a 40C ambient:				140 d	egrees	С					
8. Continuous stall current, max:				10.75	Amps (	) to pea	ak				
<ol> <li>8. Continuous stall current, max:</li> <li>9. Heatsink size, aluminum, attached to front mounting flange for conti</li> </ol>	nuous to	rque specification	S:	305 x	305 x 1	2.7mm	n (12 x 12 x	0.5 inch)			
10. Peak stall torque, max:				27.1 N	Vm (240	) lb-in)					
11. Peak stall current, max:				34.25	Amps (	) to pea	ak				
12. Rated Speed (Speed at max continous power)				3500							
13. Continuous output rating, max at rated speed:				2.20 k	W (2.9	5 hp)					
14. Commuous lorque, max, al faleu speeu.				0.0 14	m (53 lb	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>				5.8 Ar	mps 0 to	o peak					
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)						
<ul> <li>18. Housing temperature, max:</li> <li>19. Ke, +/-10%, phase to phase at 25C +/- 5C:</li> <li>20. K(t (sing)) Bat at 25C +/- 5C:</li> </ul>				138 V	/kRPM	0 to pe	ak				
20. Kt (Sine), Ref. at 250 +/- 50.				1.141	lm/Amp	o (10.10	) lb-in/Amp	) 0 to peak			
21. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C:				1.957	ohms						
22. Winding inductance, Ref, phase to phase:				18.64	mΗ						
23. Dielectric rating of motor power connections (U,V,W), to ground to	r 1 secor	nd:		1800	VAC R	MS 50/6	60 Hz				
24. Audible noise, Ref, at 1 meter distance:				XX dE	3A						
25. Rotor inertia, +/- 10%:				0.001	223 kg-	m² (0.0	1082 lb-in-	sec²)			
26. Rotor balancing quality grade:				G-6.3							
27. Friction torque, Ref:					Vm (1.3	5 lb-in)					
					Vm (1.3	lb-in)					
29. Cogging torque, Ref:				0.060	Nm (0.	53 lb-in	n) peak to p	eak			
30. Thermal resistance, Ref, winding to ambient:				0.49 c	legrees	C/watt					
31. Thermal time constant, Ref, winding to ambient:				30.5 r	ninutes						
32. Product weight, Ref:						11.7 kg (25.7 lb)					
33. Shipping weight, Ref:	33. Shipping weight, Ref: 1				12.94 Kg (20.5 ID)						
34. Operating ambient temperature:				0C to	40C (32	2F to 1	04F)				
Notes:											
1. "Ref" denotes untoleranced specifications, provided for reference on	ly.										
2. Speed, torque and current specifications are for operation with Allen											
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			4E-MJ74AA		Size		400007	00072060			
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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
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.

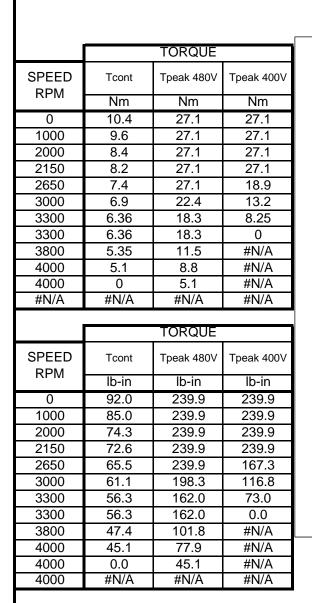
## Feedback Specifications:

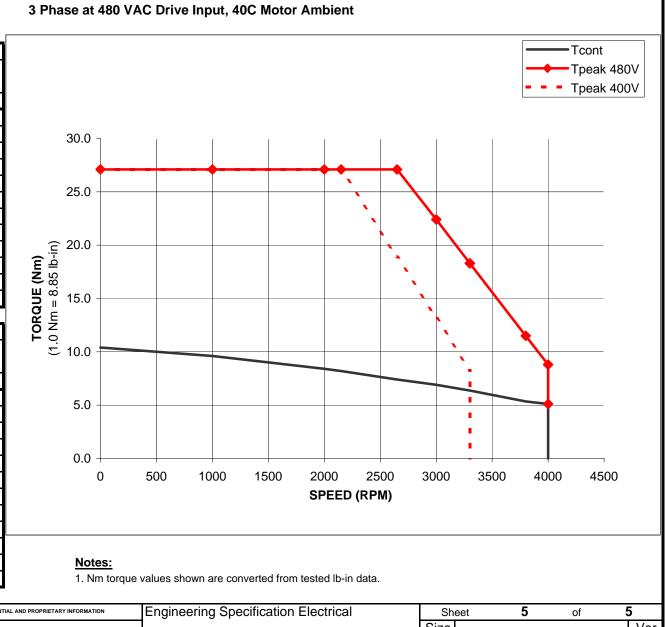
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<u>Notes:</u> 1. "Ref" denotes untoleranced sp	pecifications, provided for reference only	у.				
<ol> <li>Data (byte) format: Start bit,</li> <li>Memory storage capacity, El</li> </ol>	, 8 data bits, parity bit, stop bit.		10	8 bytes		
-	Encoder is slave, communication is extended in value range: ary, value increases with CW shaft rotated in the state of the	•	01	to 32,767 (1	5 bit)	
13. DATA+, DATA- signal type, i	rate, asynchronous:			S 485, 9600	baud	
12. TS+, TS- thermostat continu	ous current, max, at 1.0 power factor:		2.3	5 Amps		
11. TS+, TS- thermostat continu	ous current, max, at 0.6 power factor:		1.0	6 Amps		
10. TS+, TS- thermostat operation			25	50 Volts		
8. EPWR 9V continuous input cu	t, max, when connected to Kinetix6000	drive:	3 (	9 ADC		
7. EPWR 9V (encoder power) in	put voltage:		۱.۱ ۵۰	0 to 12.0 VI ) mADC		
6. EPWR 5V inrush input curren	, ,					
5. EPWR 5V continuous input cu	urrent,max, at 5.0 VDC:		N/	A		
4. EPVVR 5V (encoder power) in	iput voitage:		IN/			
3. SIN -, COS - voltage offset wi	e, $\pm 10\%$ : th respect to ECOM $\pm 0.3$ VDC:		2.5	5 VDC		
2. SIN, COS waveform amplitud	100/			0 VAC peak	to peak	
1. SIN, COS waveform output:			10	24 sinusoid	s/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
4. Current input, +/- 10%, at 24 VDC, at 25C +/- 5C:	0.64 ADC
5. Coil resistance, +/-10%, at 25C +/- 5C:	38 Ohms
5. Coil resistance, +/-10%, with motor operating at max continuous stall torque rating in a 40C ambient:	42 Ohms
7. Release time delay (when voltage applied), Ref:	110 msec
3. 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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