

Specifications:			
1. Motor type: 4 pole, 3 phase, asynchronous, ventilated			
2. Base speed: 2975 RPM.			
3. Maximum speed: 5000 RPM.	100		
4. Continuous stall torque: 183 Nm (1619 lb-in) max at 155C winding temperature i	n a 400		
5. Peak stall torque: 430 Nm ( 3805 lb-in) max.			
	rrent @ 2975 RPM 185 Amps 0 to peak max.(131 Amps.RMS)		
7. Operating voltage: 460 VAC RMS Ref. (Not for direct connection to AC line).			
8. Continuous stall current: 185 Amps 0 to peak max.(131 Amps.RMS)	Equivalent circuit parameters		
9. Magnetizing current: 59 Amps. RMS ref.			
10. Peak stall current: 440 Amps 0 to peak max.( 312 Amps. RMS)	X1: .109 Ohms/phs Ref at 20C to 30C.		
11. Insulation class: 180 (H).	X2: .143 Ohms/phs Ref at 20C to 30C.		
12. Housing temperature: 125C max.	Xm : 3.14 Ohms/phs Ref at 20C to 30C		
13. Winding resistance: .0266 Nom. Ohms, phase to phase at 20C to 30C.	R1: .0133 Ohms/phs Ref at 20C to 30C		
14. Winding inductance: 2.17 mH, phase to phase Ref.	R2: .00997 Ohms/phs Ref at 20C to 30C		
15. Dielectric rating of motor power connections (U,V,W), and thermostat connection	ns		
(TS+, TS-) to ground: 2350 VAC RMS 50/60 Hz for 1 second.			
16. Rotor inertia: .177 kg-m2 Ref.	BRAKE: 460VAC 20Nm max. holding torque		
17. Rotor balancing: Quality grade G-6.3.			
18. Product weight: 244 kg (538 lb) Ref.			
<ol> <li>Operating ambient temperature: 0C to 40C (32F to 104F).</li> <li>Storage ambient temperature: -30C to 70C (-22F to 158F).</li> </ol>			
<ol> <li>Relative humidity: 5% to 95% non-condensing.</li> <li>Liquid / dust protection: IP54 with blower installed.</li> </ol>			
23. Shock: 10 g peak max, 6 msec duration (18 occurances tested).			
<ol> <li>Vibration: 2.5 g peak max, 30 to 2000 Hz.</li> <li>Shaft material: Steel, grade 1040/1045.</li> </ol>			
26. Paint: Black. Shaft, key (if provided), flange mounting surface, and connectors			
	are		
not painted.			
not painted.			
	DESCRIPTION		
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	HPK-E1611E-SB44AA,ESE		
	VER THINE TOTIL SD44AA, LOL		
Notes: "Ref" denotes untoleranced specifications, provided for reference only.	Rockwell DOCUMENT NUMBER		
Speed, torque and current specifications are for motor operation with	Automation 1000000341		
Allen Bradley drives.	A SIZE SHEET 2 OF 4		
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Feedback Specifications:

Electrical Hardware:

- 1. SIN, COS waveform output: 1024 sinusoids/rev.
- 2. SIN, COS waveform amplitude: 0.9 to 1.1 Volts peak to peak.
- 3. SIN -, COS voltage offset with respect to power input common: 2.2 to 2.8 VDC.
- 4. +5VDC voltage input: 4.5 to 12.0 VDC.
- 5. +5VDC current input: 125 mA DC max continuous, 1.0 A DC max inrush.
- 6. TS+, TS- thermostat operating voltage: 250 Volts max.
- 7. TS+, TS- thermostat operating current: 1.6/2.5 Amps max at 0.6/1.0 power factor.

Serial Communication:

Note: "Ref

- 1. DATA+, DATA- signal type, rate: RS 485, 9600 baud, asynchronous.
- 2. Communication hierarchy: Encoder is slave, communication is externally initiated.
- 3. Single turn absolute position value range: 0 to 32,767 steps (12 bit).
- 4. Multi-turn absolute shaft revolution value range: 0 to 32,767 revolutions (12bit).
- 5. Absolute position data: Binary, value increases with CW shaft rotation viewing motor mounting face.
- 6. Data (byte) format: Start bit, 8 data bits, parity bit, stop bit.
- 7. Memory storage capacity: 128 bytes, EEPROM.
- 8. Encoder temperature data: Binary value of encoder temperature in degrees C.

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	VER	HPK-E1611E-SB44AA,ESE					
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denotes untoleranced specifications, provided for reference only.							
			A SIZE	SHEET	3	OF	4

