

Specifications:				
1. Motor type: 4 pole, 3 phase, asynchronous, ventilated				
2. Base speed: 2975 RPM.				
3. Maximum speed: 5000 RPM.				
 4. Continuous stall torque: 183 Nm (1619 lb-in) max at 155C winding temperature in a 40 				
5. Peak stall torque: 430 Nm (3805 lb-in) max.				
, ,	2075 DDM 185 Ames 0 to peak may (121 Ames DMS)			
	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).	Equivalent eizevit neven store			
8. Continuous stall current: 185 Amps 0 to peak max.(131 Amps.RMS)	Equivalent circuit parameters			
9. Magnetizing current: 59 Amps. RMS ref.	V4. 400 Ohms/sha Daf at 000 to 000			
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 connections				
(TS+, TS-) to ground: 2350 VAC RMS 50/60 Hz for 1 second.				
16. Rotor inertia: .177 kg-m2 Ref.				
17. Rotor balancing: Quality grade G-6.3.				
18. Product weight: 244 kg (538 lb) Ref.				
19. Operating ambient temperature: 0C to 40C (32F to 104F).				
20. Storage ambient temperature: -30C to 70C (-22F to 158F).				
21. Relative humidity: 5% to 95% non-condensing.				
22. Liquid / dust protection: IP54 with blower installed.				
23. Shock: 10 g peak max, 6 msec duration (18 occurances tested).				
24. Vibration: 2.5 g peak max, 30 to 2000 Hz.				
25. Shaft material: Steel, grade 1040/1045.				
26. Paint: Black. Shaft, key (if provided), flange mounting surface, and connectors are				
not painted.				
not painted.				
	00 DESCRIPTION			
	HPK-E1611E-MA42AA,ESE			
	VER HFK-ETOTTE-WA42AA,ESE			
Notes: "Ref" denotes untoleranced specifications, provided for reference only.				
Speed, torque and current specifications are for motor operation with	Automation 1000000111			
Allen Bradley drives.	A SIZE SHEET 2 OF 4			

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:

- 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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	00	DESCRIPTION						
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	VER	HPK-E1611E-MA42AA,ESE						
		Rockwell	DOCUMENT N	UMBER				
Note: "Ref" denotes untoleranced specifications, provided for reference only.		tomation						
			A SIZE	SHEET	3	OF	4	

