

Specifications:					
 Motor type: 4 pole, 3 phase, asynchronous, ventilated Base speed: 1470 RPM. 					
3. Maximum speed: 3000 RPM.					
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4. Continuous stall torque: 271 Nm (2398 lb-in) max at 155C winding temperature in a 40C	,				
5. Peak stall torque: 541.9 Nm (4796 lb-in) max.	1470 BDM 100 8 Amps 0 to p	aak may (79 Amna DMS)			
	2 1470 RPM 109.8 Amps 0 to p	eak max.(76 Amps.Rivis)			
7. Operating voltage: 460 VAC RMS Ref. (Not for direct connection to AC line).					
8. Continuous stall current: 109.8 Amps 0 to peak max.(78 Amps.RMS)		Equivalent circuit parameters			
9. Magnetizing current: 31.1 Amps. RMS ref.		V1: 242 Ohmo/pho Bof at 200 to 200			
10. Peak stall current: 217 Amps 0 to peak max.(154 Amps. RMS)		X1: .243 Ohms/phs Ref at 20C to 30C.			
11. Insulation class: 180 (H).		X1: .305 Ohms/phs Ref at 20C to 30C.			
12. Housing temperature: 125C max.		Xm : 7.35 Ohms/phs Ref at 20C to 30CR1:.058 Ohms/phs Ref at 20C to 30C			
 Winding resistance: .118 Nom. Ohms, phase to phase at 20C to 30C. Winding inductance: 4.9 mH, phase to phase Ref. 		R1: .058 Ohms/phs Ref at 20C to 30C R2: .0455 Ohms/phs Ref at 20C to 30C			
15. Dielectric rating of motor power connections (U,V,W), and thermostat connections		R20455 Onins/pris Rei al 200 to 300			
(TS+, TS-) to ground: 2350 VAC RMS 50/60 Hz for 1 second.					
16. Rotor inertia: .206 kg-m ² Ref.		BRAKE: 460VAC 20Nm max. holding torque			
17. Rotor balancing: Quality grade G-6.3.					
18. Product weight: 275 kg (606 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.					
 Liquid / dust protection: IP54 with blower installed Shock: 10 g peak max, 6 msec duration (18 occurances tested). 					
23. Shock. To g peak max, 6 insect duration (To 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), front mounting surface, and connectors are					
not painted.					
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Notes: "Ref" denotes untoleranced specifications, provided for reference only.		PART NO.			
	Allen-Bradley	L16M5182ESE			
Speed, torque and current specifications are for motor operation with Allen Bradley drives.					
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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:

- 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. Absolute position data: Binary, value increases with CW shaft rotation viewing motor mounting face.
- 5. Data (byte) format: Start bit, 8 data bits, parity bit, stop bit.
- 6. Memory storage capacity: 128 bytes, EEPROM.
- 7. Encoder temperature data: Binary value of encoder temperature in degrees C.

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	Allen-Bradley		PART NO	Э.			
led for reference only.			L16M5182ESE				
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