

1. Motor type: 4 pole: 3 phase, asynchronous, ventilated Base spece: 1480 RPM 3. Maximum specet: 3000 RPM. 4. Continuous sulat lorque: 970 Nm (856 lb-in) max: 5. Poak stall torque: 75 kW (hp) max at 1450 RPM. Continuous output rafing: 75 kW (hp) max at 1480 RPM. 7. Operating current: 68 Amps: RM Sort Continuous sulat urrent: 196.4 Amps 0 to peak max.(139.3 Amps.RMS) 8. Continuous stall current: 196.4 Amps 0 to peak max.(312 Amps.RMS) Equivalent circuit parameters 9. Magnetizing current: 68 Amps: RMS etc. X1:113 Ohms/phs Ref at 20C to 30C. 11. Insulation class: 180 (H). X1:113 Ohms/phs Ref at 20C to 30C. 12. Housing temperature: 125C max. Xm:147 Ohms/phs Ref at 20C to 30C. 13. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Xm:13 Ohms/phs Ref at 20C to 30C. 14. Winding inductance: 2.3 mH, phase to phase Ref. R1:0189 Ohms/phs Ref at 20C to 30C. 15. Dielectric rating of motor power connections (U.Y.W), and thermostat connections R1:0189 Ohms/phs Ref at 20C to 30C 16. Rotor inertia: .886 kg-m ² Ref. BRAKE: 460VAC 48Nm max. holding torque 17. Rotor balancing: Quality grade G-6.3. BRAKE: 460VAC 48Nm max. holding torque 18. Porduct weight: 565 kg (1246 lb) Ref. BRAKE: 460VAC 48Nm max. holding torque 19. Operating a motior temperature: .30 to 4	Specifications:						
2. Base speed: 1480 RPM. 4. Maximum speed: 3000 RPM. 4. Continuous stall torque: 482 Nm (4266 lb-in) max at 155C winding temperature in a 40C 5. Peak stall torque: 482 Nm (4266 lb-in) max at 1480 RPM. Continuous current @ 1480 RPM 196.4 Amps 0 to peak max.(139.3 Amps.RMS) 7. Operating vortage: 480 VAC RMS Ref. (Not for direct connection to AC line). Equivalent circuit parameters 9. Magnetizing current: 66.6 Amps. RMS ref. Equivalent circuit parameters 10. Peak stall current: 40.0 Mps 0 to peak max.(312 Amps.RMS) X1: 113 Ohms/phs Ref at 20C to 30C. 11. Insulation class: 180 (H). X1: 113 Ohms/phs Ref at 20C to 30C. 12. Housing temperature: 12C max. Xm C MS S060 Hz to 1 second. 13. Urinding resistance: .04 Nom. Ohms, phase to phase at 20C to 30C. R1: .0198 Ohms/phs Ref at 20C to 30C. 14. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. R1: .0198 Ohms/phs Ref at 20C to 30C. 15. Delecticit reling of motion power connections (UV, W), and thermostat connections (TS+, TS-) to ground: 2350 VAC RMS 5060 Hz to 1 second. R2: .0161 Ohms/phs Ref at 20C to 30C. 16. Rotor Inelain: .895 Kg/m Ref. BRAKE: 460VAC 48Nm max. holding torque 17. Rotor balancing: .Quality grade 0=6-3. BRAKE: 460VAC 48Nm max. holding torque 18. Product weight: 5656 Kg/m Ref. Brance: .Stert material. Steel, grade 1040/1045. 20. Shorth met							
3. Maximum speed: 3000 RPM. 4. Continuous stall torque: 870 Nm (8585 lb-in) max. Continuous stall torque: 970 Nm (8585 lb-in) max. 6. Continuous stall torque: 970 Nm (8585 lb-in) max. Continuous current @ 1480 RPM 196.4 Amps 0 to peak max.(139.3 Amps.RMS) 7. Operating voltage: 460 VAC RMS Ref. (Not for direct connection to AC line). Equivalent circuit parameters 9. Magnetizing current: 6.6 Amps. RMS ref. Equivalent circuit parameters 10. Peak stall current: 400 Amps 0 to peak max.(132 Amps.RMS) X1: .113 Ohms/phs Ref at 20C to 30C. 11. Insulation class: 180 (H). X1: .113 Ohms/phs Ref at 20C to 30C. 12. Housing temperature: 125C max. Xm: 3.47 Ohms/phs Ref at 20C to 30C. 13. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Rt: .0198 Ohms/phs Ref at 20C to 30C. 14. Winding inductance: 3.0 Winding torpower connections (U.V.W), and thermostat connections (TS+, TS-) to ground: .2350 VAC RMS 50/60 Hz for 1 second. BRAKE: 460VAC 48Nm max. holding torque 16. Retor inertia: .885 Rg·m ² Rd: . BRAKE: 460VAC 48Nm max. holding torque 17. Rotor balancing: Cuality grade G-8.3 BRAKE: 460VAC 48Nm max, holding torque 18. Product weight: .565 kg (1246 ib Pel. BRAKE: 460VAC 48Nm max, holding torque 19. Operating and intermorentaries. BRAKE: 460VAC 48Nm max, holding torque 21. Shotch: to go peak max, 30 to 2000 Hz. Bra							
4. Continuous stall torque: 482. Nm (4266 fb-in) max at 156C winding temperature in a 40C 5. Peak stall torque: 70 Nm (8565 lb-in) max. 6. Continuous output rating: 75 kW (hp) max at 1480 RPM. Continuous current @ 1480 RPM 196.4 Amps 0 to peak max.(139.3 Amps.RMS) 7. Operating voltage: 460 VAC RMS Ref. (Not for direct connection to AC line). 8. Continuous stall current: 40.4 Amps 0 to peak max.(139.3 Amps.RMS) 9. Magnetizing current: 66.6 Amps. RMS ref. 10. Peak stall current: 140 Amps 0 to peak max.(312 Amps. RMS) 10. Peak stall current: 40.4 Amps 0 to peak max.(312 Amps.RMS) 10. Peak stall current: 40.4 Amps 0 to peak max.(312 Amps.RMS) 11. Insulation class: 180 (H). 12. Housing temperature: 25C max. 13. Vinding resistance: 04 Nom. Ohms, phase to phase at 20C to 30C. 14. Winding inductance: 2.3 mH, phase to phase Ref. 15. Delectric rating of motor power connections (U.V.W), and thermostat connections (T5+, T5-) to ground: 2350 VAC RMS 50/60 Hz for 1 second. 16. Rotor interia: .885 kg/ 1264 lb) Ref. 19. Operating ambient temperature: 0C to 40C (32F to 104F). 21. Relative humidity: 5% to 95% non-condensing. 21. Liquid / dust protection: IP54 with blower installed. 23. Shock: 10.9 geak max, 30 to 2000 Hz. 25. Shaft material: Stell (pt rovided), front mounting surface, and connectors are not painted. 101 111.6	•						
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7. Operating voltage: 460 VAC RMS Ref. (Not for direct connection to AC line). 8. Continuous stall current: 196.4 Amps 0 to peak max.(139.3 Amps.RMS) 9. Magnetizing current: 66.6 Amps. RMS ref. 10. Peak stall current: 440 Amps 0 to peak max.(312 Amps. RMS) 11. Insulation class: 180 (Ph). 12. Housing temperature: 125C max. 13. Winding resistance: :0.4 Nom. Ohns, phase to phase at 20C to 30C. 14. Winding inductance: 2.3 mH, phase to phase Ref. 15. Dielectric rating of motor power connections (U,V,W), and thermostat connections (TF+, TS) to ground: 2350 VAC RMS 50/60 Hz for 1 second. 16. Rotor inertia: .885 kg·m ² Ref. 17. Rotor balancing: Cuality grade 6-6.3. 18. Product weight: 565 kg (1246 kb) Ref. 19. Operating ambient temperature: .0C to 40C (32F to 14F). 20. Storage ambient temperature: .0C to 70C (-22F to 158F). 21. Liquid / dust protection: .1F54 wth blower installed. 23. Shock: 10 g peak max, 6 mase duration (18 occurances tested). 24. White the context is the light of the provided), front mounting surface, and connectors are not painted. 10. 10. 19. Geter durated specifications, provided for reference only. Speed, torque and current specifications are for motor operation with		1480 PPM 196 4 Amps 0 to p	aak max (130.3 Amos PMS)				
8. Continuous stall current: 196.4 Amps 0 to peak max.(133.3 Amps.RMS) 9. Magnetizing current: 66.6 Amps. RMS ref. 10. Peak stall current: 440 Amps 0 to peak max.(312 Amps. RMS) 11. Insulation class: 180 (H). 12. Housing temperature: 126 Cmax. 13. Winding resistance: 0.4 Nom. Ohms, phase to phase at 20C to 30C. 14. Winding inductance: 2.3 mH, phase to phase Ref. 15. Dielectric rating of motor power connections (U./W), and thermostat connections (T5+, TS+) to ground: 2350 VAC RMS 50/60 Hz for 1 second. 16. Rotor inertia: 385 kg (1246 lb) Ref. 19. Operating ambient temperature: 30C to 70C (22F to 158F). 21. Liquid / dust protection: IP54 with blower installed 23. Shock: 10 greak max, 30 to 2000 Hz. 24. Vibration: 2.5 opeak max, key (if provided), front mounting surface, and connectors are not painted.			cak max.(109.9 Amps. Kmo)				
 Magnetizing current: 66.6 Amps. RMS ref. Peak stall current: 440 Amps 0 to peak max. (312 Amps. RMS) Insulation class: 180 (H). Housing temperature: 125C max. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Winding inductance: 2.3 mH, phase to phase at 20C to 30C. Retweight: 56K (gl (124 ki) Ref. Product weight: 56K (gl (124 ki) Ref. Shock: 10 g peak max, 8 (msc duration (18 occurances tested). Vibration: 2.5 gl peak max, 30 to 2000 Hz. Shaft material: Steel, grade 1040/1045. Pratimetial: Steel, grade 1040/1045. Produ			Equivalent circuit parameters				
10. Peak stall current: 440 Amps 0 to peak max.(312 Amps. RMS) X1: 113. Ohms/phs Ref at 20C to 30C. 11. Insulation class: 180 (H). X1: .113. Ohms/phs Ref at 20C to 30C. 12. Housing temperature: 128C max. Xm: .347. Ohms/phs Ref at 20C to 30C. 13. Winding resistance: .04 Nom. Ohms, phase to phase et 20C to 30C. Rt:0198. Ohms/phs Ref at 20C to 30C. 14. Winding inductance: .23 mL, phase to phase Ref. 0198. 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. Rt:0198. Ohms/phs Ref at 20C to 30C 16. Rotor inertia: .885 kg/m ² Ref. BRAKE: 460VAC 48Nm max. holding torque 17. Rotor balancing: Quality grade G-6.3. BRAKE: 460VAC 48Nm max. holding torque 18. Product weight: 565 kg (1246 lb) Ref. BRAKE: 460VAC 48Nm max. holding torque 19. Operating ambient temperature: .30C to 70C (-22F to 158F). Brak to 10 peak max, 30 to 2000 Hz. 23. Shock: 10 g peak max, 30 to 2000 Hz. Shaft material: Steel, grade 1040/1045. 26. Paint: Black. Shaft, key (if provided), front mounting surface, and connectors are not painted. ITTLE Meter Mounding: Size subsciences untoleranced specifications, provided for reference only. Speed, torque and current specifications are for motor operation with							
11. Insulation class: 160 (H). X1: 152 Ohms/phs Ref at 20C to 30C. 12. Housing temperature: 125C max. Xm: 3.47 Ohms/phs Ref at 20C to 30C. 13. Winding inductance: 2.3 mH, phase to phase Ref. 0.198 Ohms/phs Ref at 20C to 30C. 14. Winding inductance: 2.3 mH, phase to phase Ref. 0.198 Ohms/phs Ref at 20C to 30C. 15. Dielectric rating of motor power connections (UV,W), and thermostat connections (TS+, TS-) to ground: 2350 VAC RMS 50/60 Hz tor 1 second. Ret: 0.0198 Ohms/phs Ref at 20C to 30C 16. Rotor inertia: .885 kg-m ² Ref. BRAKE: 460VAC 48Nm max. holding torque 17. Rotor balancing: Cuality grade G-6.3. BRAKE: 460VAC 48Nm max. holding torque 18. Product weight: 565 kg (1246 lb) Ref. BRAKE: 460VAC 48Nm max. holding torque 19. Operating ambient temperature: 0.30 to 70 C (22F to 158F). BRAKE: 460VAC 48Nm max. holding torque 21. Liquid / dust protection: IP54 with blower installed. BRAKE: 460VAC 48Nm max. holding torque 23. Shock: 10 g peak max, 6 msec duration (18 occurances tested). Yubration: 2.5 g peak max, 30 to 2000 Hz. 25. Shaft material: Stele, grade 140/1045. ES, ELEC, HPK-B2010C-MB44BA Notes: "Ref" denotes untoleranced specifications, provided for reference only. Speed, torque and current specifications are for motor operation with Allen-Bradley			X1: 113 Ohms/phs Ref at 20C to 30C				
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 13. Winding resistance: .04 Nom. Ohms, phase to phase at 20C to 30C. 14. Winding inductance: 2.3 mH, phase to phase Ref. 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: .885 kg·m² Ref. 17. Rotor balancing: Quality grade G-6.3. 18. Product weight: 565 kg (1246 lb) Ref. 19. Operating 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: Steal, grade 1040/1045. 26. Paint: Black. Shaft, key (if provided), front mounting surface, and connectors are not painted. 11. TITLE 11. Notes: "Ref" denotes untoleranced specifications, provided for reference only. Speed, torque and current specifications are for motor operation with Notes: "Ref" denotes untoleranced specifications are for motor operation with 							
14. Winding inductance: 2.3 mH, phase to phase Ref. R2: .0151 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 RNS 50/60 Hz for 1 second. BRAKE: 460VAC 48Nm max. holding torque 16. Rotor inertia: .885 kg·m² Ref. BRAKE: 460VAC 48Nm max. holding torque 17. Rotor balancing: Quality grade G-6.3. BRAKE: 460VAC 48Nm max. holding torque 18. Product weight: .565 kg (1246 h) Ref. BRAKE: 460VAC 48Nm max. holding torque 19. Operating ambient temperature: .30C to 70C (.22F to 158F). BRAKE: 460VAC 48Nm max. holding torque 21. Relative humidity: Sfs to 95% non-condensing. Extension and the second connectors are not painted. 23. Shock: 10 g peak max, 6 msec duration (18 occurances tested). Alten-Bradley 24. Vibratinet. Est, ELEC, HPK-B2010C-MB44BA Notes: "Ref" denotes untoleranced specifications, provided for reference only. Speed, torque and current specifications are for motor operation with Allen-Bradley							
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(TS+, TS-) to ground: 2350 VAC RMS 50/60 Hz for 1 second. 16. Rotor inertia: .885 kg-m ² Ref. BRAKE: 460VAC 48Nm max. holding torque 17. Rotor balancing: Quality grade G-6.3. BRAKE: 460VAC 48Nm max. holding torque 18. Product weight: 565 kg (1246 lb) Ref. BRAKE: 460VAC 48Nm max. holding torque 19. Operating ambient temperature: OC to 40C (32F to 104F). BRAKE: 460VAC 48Nm max. holding torque 20. Storage ambient temperature: -30C to 70C (-22F to 158F). Example A temperature: -30C to 70C (-22F to 158F). 21. Relative humidity: 5% to 95% non-condensing. Example A temperature: -30C to 70C (-22F to 158F). 23. Shock: 10 g peak max, 30 to 2000 Hz. So Shaft material: Steel, grade 1040/1045. 26. Shaft material: Steel, grade 1040/1045. Example A temperature: -100 mounting surface, and connectors are not painted. 01 TITLE EX. ELEC, HPK-B2010C-MB44BA Notes: "Ref" denotes untoleranced specifications, provided for reference only. Speed, torque and current specifications are for motor operation with							
16. Rotor inertia: .885 kg·m² Ref. BRAKE: 460VAC 48Nm max. holding torque 17. Rotor balancing: Quality grade G-6.3. BRAKE: 460VAC 48Nm max. holding torque 18. Product weight: 565 kg (1246 lb) Ref. BRAKE: 460VAC 48Nm max. holding torque 19. Operating ambient temperature: -00C to 40C (32F to 104F). Storage ambient temperature: -30C to 70C (-22F to 158F). 21. Relative humidity: 5% to 95% non-condensing. Example 22. Liquid / dust protection: IP54 with blower installed. Shock: 10 g peak max, 6 msec duration (18 occurances tested). 24. Vibration: 2.5 g peak max, 30 to 2000 Hz. Shoaft material: Steel, grade 1040/1045. 26. Paint: Black. Shaft, key (if provided), front mounting surface, and connectors are not painted. Image: Construct of the section in the sectifications, provided for reference only. Speed, torque and current specifications, provided for reference only. Speed, torque and current specifications are for motor operation with							
 17. Rotor balancing: Quality grade G-6.3. 18. Product weight: 565 kg (1246 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, 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. O1 TTLE 01 REV ES, ELEC, HPK-B2010C-MB44BA Allen-Bradley L20M5194ESE 			BRAKE: 460VAC 48Nm max, holding torque				
 18. Product weight: 565 kg (1246 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), front mounting surface, and connectors are not painted. 01 TILE REV ES, ELEC, HPK-B2010C-MB44BA Notes: "Ref" denotes untoleranced specifications, provided for reference only. Speed, torque and current specifications are for motor operation with 	•						
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 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), front mounting surface, and connectors are not painted. 01 TITLE 01 ES, ELEC, HPK-B2010C-MB44BA Notes: "Ref" denotes untoleranced specifications, provided for reference only. Speed, torque and current specifications are for motor operation with 							
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 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. Intrue 01 TITLE 01 ES, ELEC, HPK-B2010C-MB44BA Notes: "Ref" denotes untoleranced specifications, provided for reference only. Speed, torque and current specifications are for motor operation with	• •						
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26. Paint: Black. Shaft, key (if provided), front mounting surface, and connectors are not painted. 01 TITLE 02 ES, ELEC, HPK-B2010C-MB44BA Notes: "Ref" denotes untoleranced specifications, provided for reference only. Speed, torque and current specifications are for motor operation with Allen-Bradley							
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Speed, torque and current specifications are for motor operation with Allen-Bradley L20M5194ESE							
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	Speed, torque and current specifications are for motor operation with	Allen-Bradley	L20M5194ESE				
	Allen Bradley drives.	ļ	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.

	01	TITLE			
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	REV	ES, ELEC, HPK-B2010C-MB44BA		1B44BA	
			PART NO.		
Note: "Ref" denotes untoleranced specifications, provided for reference only.	All	len-Bradley	L20M5194ESE		
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