

1. Motor type: 3 phase, wye winding, permanent magnet rotor, totally enclosed, non-ventilated. 8 2. Motor poles: 8 3. Operating Speed, max 2500 RPM 4. Base speed (max speed at peak torque), Ref: 1000 RPM 5. Operating voltage at base speed: 440 VAC RMS 6. Continuous stall torque, max, at max winding temperature in a 40C ambient: 28.8 Nm (237 lb-in) 7. Winding temperature, max, in a 40C ambient: 20.05 Amps 010 peak 8. Continuous stall current, max: 20.05 Amps 05 yobs x12.7mm (12 x 12 x 0.5 inch) 10. Peak stall orque, max, at rated speed: 50.54 X05 x12.7mm (12 x 12 x 0.5 inch) 11. Peak stall orque, max, at rated speed: 50.26 Amps 010 peak 22. Rated Speed (Speed ta max continuous power) 2000 12. Continuous torque, max, at rated speed: 4.60 kW (6.17 hp) 13. Continuous output rating, max at rated speed: 4.80 kW (6.17 hp) 14. Continuous output rating, max at rated speed: 4.80 kW (6.17 hp) 15. Continuous output rating, max at rated speed: 4.80 kW (6.17 hp) 16. Operating voltage. Ref (Not for direct connection to AC line): 4.80 kW (6.17 hp) 15. Continuous output rating, max at rated speed: 1.60 km/km po 10 peak 16. Operating voltage. Ref (Not for direct connection to AC li
9. Operating Speed, max 2500 RPM 4. Base speed (max speed at peak torque), Ref. 1600 RPM 5. Operating voltage at base speed. 440 VAC RMS 6. Continuous stall torque, max, at max winding temperature in a 40C ambient: 26.8 Nm (237 Ib-in) 7. Winding temperature, max, in a 40C ambient: 26.8 Nm (237 Ib-in) 7. Winding temperature, max, in a 40C ambient: 20.05 Amps 0 to peak 9. Heatsink size, aluminum, attached to front mounting flange for continuous torque specifications; 305 x 305 x 12.7 mm (12 x 12 x 0.5 inch) 10. Peak stall coruen, max: 59.26 Amps 0 to peak 12. Rated Speed (Speed at max continuous power) 2000 13. Continuous output rating, max at rated speed: 400 WW (61.7 hp) 14. Continuous coutput, Ref, at rated speed: 400 WW (61.7 hp) 15. Continuous output rating, max at rated speed: 400 VAC RMS 16. Operating voltage, Ref (Not for direct connection to AC line): 400 VAC RMS 17. Insulation class; 150C (Class F) 18. Housing temperature, max: 1222 VM (196 Ib-in) 19. Ka, +/10%, phase to phase at 25C +/- 5C: 167 Nm/Amp (14.78 Ib-in/Amp) 0 to peak 20. Winding resistance, +/-10%, phase to phase at 25C +/- 5C: 167 Nm/Amp (14.78 Ib-in/Amp) 0 to peak 21. Winding resistance, +/-10%, phase to phase at 25C +/- 5C: 0.326 Ohms 22. Winding inductance, Ref, phase to phase; 17.29
absets byted (in as speed at pase torque), res. 1600 kPrim 5. Operating voltage at base speed: 400 VAC RMS 6. Continuous stall torque, max, at max winding temperature in a 40C ambient: 26.8 Nm (237 lb-in) 7. Winding temperature, max, in a 40C ambient: 100 degrees C 8. Continuous stall current, max: 20.05 Amps 0 to peak 9. Heatsink size, aluminum, attached to front mounting flange for continuous torque specifications: 305 x 305 x 12.7mm (12 x 12 x 0.5 inch) 10. Peak stall current, max: 59.26 Amps 0 to peak 12. Rated Speed (Speed at max continous power) 2000 13. Continuous otque, max, at rated speed: 460 kW (6.17 hp) 14. Continuous outque ruing, max at rated speed: 22.2 Nm (196 lb-in) 15. Continuous outque, max, at rated speed: 14.8 Amps 0 to peak 16. Operating voltage, Rel (Not for direct connection to AC line): 460 VAC RMS 17. Insulation class: 155C (Class F) 18. Houging temperature, max: 155C (Class F) 19. Ke, +10%, phase to phase at 25C +/- 5C: 202 V/kRPM 0 to peak 20. Winding inductance, Ref, phase to phase at 25C +/- 5C: 2032 ohms 21. Winding resistance, +10%, hase to phase at 25C +/- 5C: 2032 ohms 22. Winding resistance, +10%, hase to phase at 25C +/- 5C:
absets byted (in as speed at pase torque), res. 1600 kPrim 5. Operating voltage at base speed: 400 VAC RMS 6. Continuous stall torque, max, at max winding temperature in a 40C ambient: 26.8 Nm (237 lb-in) 7. Winding temperature, max, in a 40C ambient: 100 degrees C 8. Continuous stall current, max: 20.05 Amps 0 to peak 9. Heatsink size, aluminum, attached to front mounting flange for continuous torque specifications: 305 x 305 x 12.7mm (12 x 12 x 0.5 inch) 10. Peak stall current, max: 59.26 Amps 0 to peak 12. Rated Speed (Speed at max continous power) 2000 13. Continuous otque, max, at rated speed: 460 kW (6.17 hp) 14. Continuous outque ruing, max at rated speed: 22.2 Nm (196 lb-in) 15. Continuous outque, max, at rated speed: 14.8 Amps 0 to peak 16. Operating voltage, Rel (Not for direct connection to AC line): 460 VAC RMS 17. Insulation class: 155C (Class F) 18. Houging temperature, max: 155C (Class F) 19. Ke, +10%, phase to phase at 25C +/- 5C: 202 V/kRPM 0 to peak 20. Winding inductance, Ref, phase to phase at 25C +/- 5C: 2032 ohms 21. Winding resistance, +10%, hase to phase at 25C +/- 5C: 2032 ohms 22. Winding resistance, +10%, hase to phase at 25C +/- 5C:
b) Optiming Lingue, max, at max winding temperature in a 40C ambient. 26.8 Nm (237 lb-in) 7. Winding temperature, max, in a 40C ambient. 140 degrees C 8. Continuous stall current, max 20.6 A mps 01 b peak 9. Heatslink size, aluminum, attached to front mounting flange for continuous torque specifications: 305 x 305 x 12.7mm (12 x 12 x 0.5 inch) 10. Peak stall current, max 57.8 Nm (600 lb-in) 11. Peak stall current, max 59.26 Amps 0 to peak 12. Rated Speed (Speed at max continous power) 2000 13. Continuous output rating, max at rated speed: 460 KW (617 hp) 14. Continuous torque, max, at rated speed: 14.8 Amps 0 to peak 15. Optimuous output rating voltage, Ref (Not for direct connection to AC line): 480 VAC RMS 16. Operating voltage, Ref (Not for direct connection to AC line): 480 VAC RMS 17. Insulation class: 155C (Class F) 18. Housing temperature, max 125C 4/- 5C: 19. Key et al. 25C 4/- 5C: 020 V/R RMS 10 peak 20. Winding inductance, Ref, phase to phase at 25C +/- 5C: 0.832 ohms 20. Winding inductance, Ref, phase to phase at 25C +/- 5C: 0.832 ohms 20. Winding inductance, Ref, shase to phase at 25C +/- 5C: 0.832 ohms 20. Winding resistance, +1 10%, ph
6. Continuous stall torque, max, in a 40C ambient: 26.8 Nm (237 lb-in) 7. Winding temperature, max, in a 40C ambient: 140 degrees C 8. Continuous stall current, max. 20.05 Amps 0 to peak 9. Heatsink size, aluminum, attached to front mounting flange for continuous torque specifications: 305 x 305 x 12.7mm (12 x 12 x 0.5 inch) 10. Peak stall current, max: 67.8 Nm (600 lb-in) 11. Peak stall current, max: 59.26 Amps 0 to peak 12. Rated Speed (Speed at max continous power) 2000 13. Continuous strature, max at rated speed: 4.60 kW (6.17 hp) 14. Continuous output rating, max at rated speed: 22.2 Nm (196 lb-in) 15. Continuous output, max, at rated speed: 480 VAC RMS 16. Operating voltage, Ref (Not for direct connection to AC line): 480 VAC RMS 17. Insulation class: 155C (Class F) 18. Houging temperature, max 125C 25C F) 19. Ke, +/10%, phase to phase at 25C +/- 5C: 0.82 v/kRPM 0 to peak 20. Winding inductance, Ref, phase to phase, at 25C +/- 5C: 0.832 ohms 21. Winding inductance, Ref, phase to phase, at 25C +/- 5C: 0.832 ohms 22. Winding inductance, Ref, phase to phase, at 25C +/- 5C: 0.832 ohms 23. Winding inductance, Ref, intheref distance: XX dBA
7. Winding temperature, max, in a 40C ambient: 140 degrees C 8. Continuous stall current, max; 20.05 Amps 0 to peak 9. Heatsink size, aluminum, attached to front mounting flange for continuous torque specifications; 305 x 305 x 12.7mm (12 x 12 x 0.5 inch) 10. Peak stall current, max; 67.8 Nm (600 lb-in) 11. Peak stall current, max; 67.8 Nm (600 lb-in) 12. Rated Speed (Speed at max continuous power) 2000 13. Continuous output rating, max at rated speed; 4.60 kW (6.17 hp) 14. Continuous output rating, max at rated speed; 4.80 kW (6.17 hp) 15. Continuous output rating, max at rated speed; 4.80 kW (6.17 hp) 16. Operating voltage, Ref (Not for direct connection to AC line): 480 VAC RMS 17. Insulation class; 155C (Class F) 18. Housing temperature, max; 125C 257F) 19. Ke, +/-10%, phase to phase at 25C +/- 5C; 0.832 ohms 10. Winding inductance, Ref, phase to phase at 25C +/- 5C; 0.832 ohms 11. Winding inductance, Ref, phase to phase at 25C +/- 5C; 0.832 ohms 12. Winding inductance, Ref, phase to phase at 25C +/- 5C; 0.832 ohms 13. Kubie Inductance, Ref, phase to phase at 25C +/- 5C; 0.832 ohms 14. Winding inductance, Ref, phase to phase at 25C +/- 5C; 0.832
continuous start chieft, final. 200 Anitys 0 to peak 9. Heatsink size, aluminum, attached to front mounting flange for continuous torque specifications: 305 x 305 x 12.7mm (12 x 12 x 0.5 inch) 10. Peak stall torque, max: 59.26 Amps 0 to peak 11. Peak stall current, max: 59.26 Amps 0 to peak 12. Rated Speed (Speed at max continous power) 2000 13. Continuous output rating, max at rated speed: 4.60 kW (6.17 hp) 14. Continuous torque, max, at rated speed: 4.80 kW (6.17 hp) 15. Continuous torque, max, at rated speed: 4.80 kW (6.17 hp) 16. Operating voltage, Ref (Not for direct connection to AC line): 480 VAC RMS 17. Insulation class: 155C (Class F) 18. Housing temperature, max: 155C (257F) 18. Ke +/10%, phase to phase at 25C +/- 5C: 202 V/RPM 0 to peak 20. Winding inductance, Ref, phase to phase; 17.29 mH 21. Winding inductance, Ref, phase to phase; 17.29 mH 22. Winding inductance, Ref, phase to phase; 7.20 mH 23. Dielectric rating of motor power connections (U,V,W), to ground for 1 second: 1800 VAC RMS 50/60 Hz 24. Audible noise, Ref, at 10%, phase to phase; 7.29 mH 25. Rotor balancing quality grade: G-6.3 27. Friction
10. Peak stall current, max: 67.8 Nm (600 lb-in) 11. Peak stall current, max: 59.26 Amps 0 to peak 12. Rated Speed (Speed at max continous power) 2000 13. Continuous output rating, max at rated speed: 4.60 kW (6.17 hp) 14. Continuous output rating, max at rated speed: 22.2 Nm (196 lb-in) 15. Continuous output rating, max at rated speed: 14.8 Amps 0 to peak 16. Operating voltage, Ref (Not for direct connection to AC line): 480 VAC RMS 17. Insulation class: 125C (2ass F) 18. Housing temperature, max: 125C (257F) 19. Ke, +/-10%, phase to phase at 25C +/- 5C: 202 V/kRPM 0 to peak 20. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C: 0.832 ohms 21. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C: 0.832 ohms 22. Winding inductance, Ref, phase to phase at 25C +/- 5C: 0.832 ohms 23. Dielectric rating of motor power connections (U,V,W), to ground for 1 second: 1800 VAC RMS 50/60 Hz 24. Audible noise, Ref, at 1 meter distance: XX dBA 25. Rotor balancing quality grade: 0.366 Nm (3.23 lb-in) 26. Rotor balancing quality grade: 0.37 Nm (3.27 lb-in) 25. Cogging torque, Ref: 0.29 Nm (2.54 lb-in) peak to peak 30.
10. Peak stall current, max: 67.8 Nm (600 lb-in) 11. Peak stall current, max: 59.26 Amps 0 to peak 12. Rated Speed (Speed at max continous power) 2000 13. Continuous output rating, max at rated speed: 4.60 kW (6.17 hp) 14. Continuous output rating, max at rated speed: 22.2 Nm (196 lb-in) 15. Continuous output rating, max at rated speed: 14.8 Amps 0 to peak 16. Operating voltage, Ref (Not for direct connection to AC line): 480 VAC RMS 17. Insulation class: 125C (2ass F) 18. Housing temperature, max: 125C (257F) 19. Ke, +/-10%, phase to phase at 25C +/- 5C: 202 V/kRPM 0 to peak 20. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C: 0.832 ohms 21. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C: 0.832 ohms 22. Winding inductance, Ref, phase to phase at 25C +/- 5C: 0.832 ohms 23. Dielectric rating of motor power connections (U,V,W), to ground for 1 second: 1800 VAC RMS 50/60 Hz 24. Audible noise, Ref, at 1 meter distance: XX dBA 25. Rotor balancing quality grade: 0.366 Nm (3.23 lb-in) 26. Rotor balancing quality grade: 0.37 Nm (3.27 lb-in) 25. Cogging torque, Ref: 0.29 Nm (2.54 lb-in) peak to peak 30.
11. Peak stall current, max: 59.26 Amps 0 to peak 12. Rated Speed (Speed at max continous power) 2000 13. Continuous output rating, max at rated speed: 4.60 kW (6.17 hp) 14. Continuous current, Ref, at rated speed: 14.8 Amps 0 to peak 15. Continuous current, Ref, at rated speed: 14.8 Amps 0 to peak 16. Operating voltage, Ref (Not for direct connection to AC line): 480 VAC RMS 17. Insulation class: 155C (Class F) 18. Housing temperature, max: 125C (257F) 19. Ke, +/-10%, phase to phase at 25C +/- 5C: 202 V/kRPM 0 to peak 20. Wriding inductance, Ref, phase to phase: 17.29 mH 21. Winding resistance, +/- 10%, phase to phase: 17.29 mH 22. Roter instraing of motor power connections (U,V,W), to ground for 1 second: 1800 VAC RMS 50/60 Hz 24. Audible noise, Ref, at 1 meter distance: XX dBA 25. Rotor inertia, +/- 10%; 0.008165 kg-m² (0.07227 lb-in-sec²) 26. Rotor balancing quality grade: G-6.3 27. Friction torque, Ref: 0.29 Nm (3.23 lb-in) 28. Friction torque, Ref: 0.29 Nm (3.23 lb-in) 29. Thermal tresistance, Ref, winding to ambient: 0.28 degrees C/watt 30. Thermal tresistance, Ref, winding to ambient: 0.28 kg(
12. Rated Speed (Speed at max continous power) 2000 13. Continuous output rating, max at rated speed: 4.60 kW (6.17 hp) 14. Continuous torque, max, at rated speed: 2.2 Nm (196 lb-in) 15. Continuous current, Ref, at rated speed: 14.8 Amps 0 to peak 16. Operating voltage, Ref (Not for direct connection to AC line): 480 VAC RMS 17. Insulation class: 155C (Class F) 18. Housing temperature, max: 125C (257F) 19. Ke, +/10%, phase to phase at 25C +/- 5C: 202 V/kRPM 0 to peak 20. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C: 0.832 ohms 21. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C: 0.832 ohms 22. Winding inductance, Ref, phase to phase at 25C +/- 5C: 0.832 ohms 23. Winding inductance, Ref, at 1 meter distance: XX dBA 24. Audible noise, Ref, at 1 meter distance: XX dBA 25. Rotor inertia, +/- 10%: 0.008165 kg-m² (0.07227 lb-in-sec²) 26. Rotor balancing quality grade: G-6.3 27. Friction torque, Ref: 0.29 Nm (2.54 lb-in) peak to peak 30. Thermal time constant, Ref, winding to ambient: 0.29 Nm (2.54 lb-in) peak to peak 30. Thermal time constant, Ref, winding to ambient: 0.28 kg (62.1 lb) 33. Shipping
13. Continuous output rating, max at rated speed: 43.0 kW (6.17 mp) 14. Continuous torque, max, at rated speed: 22.2 Nm (196 lb-in) 15. Continuous current, Ref, at rated speed: 14.8 Amps 0 to peak 16. Operating voltage, Ref (Not for direct connection to AC line): 480 VAC RMS 17. Insulation class: 155C (Class F) 18. Housing temperature, max: 125C (257F) 19. Ke, +/-10%, phase to phase at 25C +/- 5C: 202 V/kRPM 0 to peak 20. Kt (sine), Ref, at 25C +/- 5C: 0.832 ohms 21. Winding resistance, +/-10%, phase to phase: 17.29 mH 22. Winding inductance, Ref, phase to phase: 17.29 mH 23. Dielectric rating of motor power connections (U.V.W), to ground for 1 second: 1800 VAC RMS 50/60 Hz 24. Audible noise, Ref, at 1 meter distance: XX dBA 25. Rotor inertia, +/-10%; 0.008165 kg-m² (0.07227 lb-in-sec²) 26. Rotor balancing quality grade: G-6.3 27. Friction torque, Ref: 0.366 Nm (3.23 lb-in) 28. Friction torque, Ref: 0.29 Nm (3.27 lb-in) 29. Cogging torque, Ref: 0.28 degrees C/watt 30. Thermal time constant, Ref, winding to ambient: 0.28 degrees C/watt 31. Thermal time constant, Ref, winding to ambient: 01.46 kg (69.3
14. Continuous torque, first, at rated speed: 14.8 Amps 0 to peak 15. Continuous current, Ref, at rated speed: 14.8 Amps 0 to peak 16. Operating voltage, Ref (Not for direct connection to AC line): 480 VAC RMS 17. Insulation class: 155C (Class F) 18. Housing temperature; max: 125C (257F) 19. Ke, +/-10%, phase to phase at 25C +/- 5C: 222 VMRPM 0 to peak 20. Kt (sine), Ref, at 25C +/- 5C: 222 VMRPM 0 to peak 21. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C: 0.832 ohms 22. Vinding inductance, Ref, phase to phase at 25C +/- 5C: 0.832 ohms 23. Winding inductance, Ref, phase to phase at 25C +/- 5C: 0.832 ohms 24. Audible noise, Ref, at 1 meter distance: XX dBA 25. Rotor inertia, +/- 10%: 0.008165 kg-m² (0.07227 lb-in-sec²) 26. Rotor balancing quality grade: G-6.3 27. Friction torque, Ref: 0.366 Nm (3.23 lb-in) 28. Friction torque, Ref: 0.28 Mm (3.27 lb-in) 29. Cogging torque, Ref, winding to ambient: 0.29 Nm (2.54 lb-in) peak to peak 30. Thermal time constant, Ref, winding to ambient: 0.28 degrees C/watt 31. Thermal time constant, Ref, winding to ambient: 0.28 degrees C/watt 32. Product weight, Ref:
15. Continuous cuirent, ker, at rated speed. 14-0 Amps of 0 peak 16. Operating voltage, Ref (Not for direct connection to AC line): 480 VAC RMS 17. Insulation class: 155C (Class F) 18. Housing temperature, max: 125C (257F) 19. Ke, +/-10%, phase to phase at 25C +/- 5C: 202 V/kRPM 0 to peak 20. Kt (sine), Ref, at 25C +/- 5C: 0.832 ohms 21. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C: 0.832 ohms 22. Winding rotor power connections (U,V,W), to ground for 1 second: 1800 VAC RMS 50/60 Hz 24. Audible noise, Ref, at 1 meter distance: XX dBA 25. Rotor inertia, +/- 10%: 0.008165 kg-m² (0.07227 lb-in-sec²) 26. Rotor inertia, +/- 10%: 0.08165 kg-m² (0.07227 lb-in-sec²) 26. Rotor balancing quality grade: G-6.3 27. Friction torque, Ref: 0.366 Nm (3.23 lb-in) 28. Friction torque, Ref: 0.37 Nm (3.27 lb-in) 29. Cogging torque, Ref. 0.29 km (2.54 lb-in) peak to peak 30. Thermal resistance, Ref, winding to ambient: 0.28 degrees C/watt 31. Thermal time constant, Ref, winding to ambient: 0.28 kg (62.1 lb) 33. Shipping weight, Ref: 31.46 kg (69.3 lb) 34. Operating ambient temperature: 0C to 40C (32F to 104F)<
17. Instluction class: 135C (class r) 18. Housing temperature, max: 125C (257F) 19. Ke, +/10%, phase to phase at 25C +/- 5C: 202 V/RPM 0 to peak 20. Kt (sine), Ref, at 25C +/- 5C: 1.67 Nm/Amp (14.78 lb-in/Amp) 0 to peak 21. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C: 0.832 ohms 22. Winding inductance, Ref, phase to phase at 25C +/- 5C: 0.832 ohms 23. Winding inductance, Ref, phase to phase: 17.29 mH 24. Audible noise, Ref, at 1 meter distance: XX dBA 25. Rotor inertia, +/- 10%: 0.008165 kg-m² (0.07227 lb-in-sec²) 26. Rotor balancing quality grade: G-6.3 27. Friction torque, Ref, with shaft seal option installed: 0.37 Nm (3.27 lb-in) 26. Coging torque, Ref. 0.29 Nm (2.54 lb-in) peak to peak 30. Thermal resistance, Ref, winding to ambient: 0.28 degrees C/watt 31. Thermal time constant, Ref, winding to ambient: 0.28 lb (62.1 lb) 33. Shipping weight, Ref: 31.46 kg (69.3 lb) 34. Operating ambient temperature: 0C to 40C (32F to 104F)
17. Instluction class: 135C (class r) 18. Housing temperature, max: 125C (257F) 19. Ke, +/10%, phase to phase at 25C +/- 5C: 202 V/RPM 0 to peak 20. Kt (sine), Ref, at 25C +/- 5C: 1.67 Nm/Amp (14.78 lb-in/Amp) 0 to peak 21. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C: 0.832 ohms 22. Winding inductance, Ref, phase to phase at 25C +/- 5C: 0.832 ohms 23. Winding inductance, Ref, phase to phase: 17.29 mH 24. Audible noise, Ref, at 1 meter distance: XX dBA 25. Rotor inertia, +/- 10%: 0.008165 kg-m² (0.07227 lb-in-sec²) 26. Rotor balancing quality grade: G-6.3 27. Friction torque, Ref, with shaft seal option installed: 0.37 Nm (3.27 lb-in) 26. Coging torque, Ref. 0.29 Nm (2.54 lb-in) peak to peak 30. Thermal resistance, Ref, winding to ambient: 0.28 degrees C/watt 31. Thermal time constant, Ref, winding to ambient: 0.28 lb (62.1 lb) 33. Shipping weight, Ref: 31.46 kg (69.3 lb) 34. Operating ambient temperature: 0C to 40C (32F to 104F)
18. Housing temperature, max: 125C (257F) 19. Ke, +/-10%, phase to phase at 25C +/- 5C: 202 V/kRPM 0 to peak 20. Kt (sine), Ref, at 25C +/- 5C: 1.67 Nm/Amp (14.78 lb-in/Amp) 0 to peak 21. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C: 0.832 ohms 22. Winding inductance, Ref, phase to phase: 17.29 mH 23. Dielectric rating of motor power connections (U,V,W), to ground for 1 second: 1800 VAC RMS 50/60 Hz 24. Audible noise, Ref, at 1 meter distance: XX dBA 25. Rotor inertia, +/- 10%: 0.008165 kg-m² (0.07227 lb-in-sec²) 26. Rotor balancing quality grade: G-6.3 27. Friction torque, Ref: 0.366 Nm (3.23 lb-in) 28. Friction torque, Ref: 0.366 Nm (3.27 lb-in) 29. Cogging torque, Ref: 0.29 Nm (2.54 lb-in) peak to peak 30. Thermal resistance, Ref, winding to ambient: 0.28 degrees C/watt 31. Thermal time constant, Ref, winding to ambient: 28.2 kg (62.1 lb) 33. Shipping weight, Ref: 31.46 kg (69.3 lb) 34. Operating ambient temperature: OC to 40C (32F to 104F)
20. Kt (she), Ref, at 20C 4/- 5C: 1.57 NHARIND (14.78 lb-in/Arthp) 0 to beak 21. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C: 0.832 ohms 22. Winding inductance, Ref, phase to phase: 17.29 mH 23. Dielectric rating of motor power connections (U,V,W), to ground for 1 second: 1800 VAC RMS 50/60 Hz 24. Audible noise, Ref, at 1 meter distance: XX dBA 25. Rotor inertia, +/- 10%: 0.008165 kg-m² (0.07227 lb-in-sec²) 26. Rotor balancing quality grade: G-6.3 27. Friction torque, Ref: 0.366 Nm (3.23 lb-in) 28. Friction torque, Ref: 0.37 Nm (3.27 lb-in) 29. Cogging torque, Ref: 0.29 Nm (2.54 lb-in) peak to peak 30. Thermal resistance, Ref, winding to ambient: 0.28 degrees C/watt 31. Thermal time constant, Ref, winding to ambient: 28.2 kg (62.1 lb) 33. Shipping weight, Ref: 31.46 kg (69.3 lb) 34. Operating ambient temperature: OC to 40C (32F to 104F) Notes:
20. Kt (she), Ref, at 20C 4/- 5C: 1.57 NHARIND (14.78 lb-in/Arthp) 0 to beak 21. Winding resistance, +/- 10%, phase to phase at 25C +/- 5C: 0.832 ohms 22. Winding inductance, Ref, phase to phase: 17.29 mH 23. Dielectric rating of motor power connections (U,V,W), to ground for 1 second: 1800 VAC RMS 50/60 Hz 24. Audible noise, Ref, at 1 meter distance: XX dBA 25. Rotor inertia, +/- 10%: 0.008165 kg-m² (0.07227 lb-in-sec²) 26. Rotor balancing quality grade: G-6.3 27. Friction torque, Ref: 0.366 Nm (3.23 lb-in) 28. Friction torque, Ref: 0.37 Nm (3.27 lb-in) 29. Cogging torque, Ref: 0.29 Nm (2.54 lb-in) peak to peak 30. Thermal resistance, Ref, winding to ambient: 0.28 degrees C/watt 31. Thermal time constant, Ref, winding to ambient: 28.2 kg (62.1 lb) 33. Shipping weight, Ref: 31.46 kg (69.3 lb) 34. Operating ambient temperature: OC to 40C (32F to 104F) Notes:
21. Winding resistance, #/- 10%, phase to phase at 25C +/- 5C: 0.052 bitms 22. Winding inductance, Ref, phase to phase: 17.29 mH 23. Dielectric rating of motor power connections (U,V,W), to ground for 1 second: 1800 VAC RMS 50/60 Hz 24. Audible noise, Ref, at 1 meter distance: XX dBA 25. Rotor inertia, +/- 10%: 0.008165 kg·m² (0.07227 lb-in-sec²) 26. Rotor balancing quality grade: G-6.3 27. Friction torque, Ref: 0.366 Nm (3.23 lb-in) 28. Friction torque, Ref: 0.37 Nm (3.27 lb-in) 29. Cogging torque, Ref: 0.29 Nm (2.54 lb-in) peak to peak 30. Thermal resistance, Ref, winding to ambient: 0.28 degrees C/watt 31. Thermal time constant, Ref, winding to ambient: 28.2 kg (62.1 lb) 33. Shipping weight, Ref: 31.46 kg (69.3 lb) 34. Operating ambient temperature: 0C to 40C (32F to 104F) Notes:
22. Winding inductance, Ref, phase to phase: 17.29 mH 23. Dielectric rating of motor power connections (U,V,W), to ground for 1 second: 1800 VAC RMS 50/60 Hz 24. Audible noise, Ref, at 1 meter distance: XX dBA 25. Rotor inertia, +/- 10%: 0.008165 kg-m² (0.07227 lb-in-sec²) 26. Rotor balancing quality grade: G-6.3 27. Friction torque, Ref. 0.366 Nm (3.23 lb-in) 28. Friction torque, Ref. 0.37 Nm (3.27 lb-in) 29. Cogging torque, Ref: 0.29 Nm (2.54 lb-in) peak to peak 30. Thermal resistance, Ref, winding to ambient: 0.28 degrees C/watt 31. Thermal time constant, Ref, winding to ambient: 28.2 kg (62.1 lb) 33. Shipping weight, Ref: 31.46 kg (69.3 lb) 34. Operating ambient temperature: OC to 40C (32F to 104F)
23. Dielectric rating of motor power connections (U,V,W), to ground for 1 second: 1800 VAC RMS 50/60 H2 24. Audible noise, Ref, at 1 meter distance: XX dBA 25. Rotor inertia, +/- 10%: 0.008165 kg-m² (0.07227 lb-in-sec²) 26. Rotor balancing quality grade: G-6.3 27. Friction torque, Ref: 0.366 Nm (3.23 lb-in) 28. Friction torque, Ref. 0.37 Nm (3.27 lb-in) 29. Cogging torque, Ref. 0.29 Nm (2.54 lb-in) peak to peak 30. Thermal resistance, Ref, winding to ambient: 0.28 degrees C/watt 31. Thermal time constant, Ref, winding to ambient: 60 minutes 32. Product weight, Ref: 31.46 kg (69.3 lb) 33. Shipping weight, Ref: 0.24 OC to 40C (32F to 104F) Notes: Notes:
24. Audible noise, Ref, at 1 meter distance:XX dBA25. Rotor inertia, +/- 10%:0.008165 kg-m² (0.07227 lb-in-sec²)26. Rotor balancing quality grade:G-6.327. Friction torque, Ref:0.366 Nm (3.23 lb-in)28. Friction torque, Ref, with shaft seal option installed:0.37 Nm (3.27 lb-in)29. Cogging torque, Ref:0.29 Nm (2.54 lb-in) peak to peak30. Thermal resistance, Ref, winding to ambient:0.28 degrees C/watt31. Thermal time constant, Ref, winding to ambient:28.2 kg (62.1 lb)33. Shipping weight, Ref:31.46 kg (69.3 lb)34. Operating ambient temperature:OC to 40C (32F to 104F)Notes:Notes:
25. Rotor inertia, +/- 10%: 0.008 res kg-m² (0.07227 lb-in-sec²) 26. Rotor balancing quality grade: G-6.3 27. Friction torque, Ref: 0.366 Nm (3.23 lb-in) 28. Friction torque, Ref, with shaft seal option installed: 0.37 Nm (3.27 lb-in) 29. Cogging torque, Ref: 0.29 Nm (2.54 lb-in) peak to peak 30. Thermal resistance, Ref, winding to ambient: 0.28 degrees C/watt 31. Thermal time constant, Ref, winding to ambient: 28.2 kg (62.1 lb) 33. Shipping weight, Ref: 31.46 kg (69.3 lb) 34. Operating ambient temperature: 0C to 40C (32F to 104F) Notes:
26. Rotor balancing quality grade: G-6.3 27. Friction torque, Ref: 0.366 Nm (3.23 lb-in) 28. Friction torque, Ref, with shaft seal option installed: 0.37 Nm (3.27 lb-in) 29. Cogging torque, Ref: 0.29 Nm (2.54 lb-in) peak to peak 30. Thermal resistance, Ref, winding to ambient: 0.28 degrees C/watt 31. Thermal time constant, Ref, winding to ambient: 60 minutes 32. Product weight, Ref: 28.2 kg (62.1 lb) 33. Shipping weight, Ref: 31.46 kg (69.3 lb) 34. Operating ambient temperature: 0C to 40C (32F to 104F) Notes:
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30. Thermal resistance, Ref, winding to ambient: 0.28 degrees C/watt 31. Thermal time constant, Ref, winding to ambient: 60 minutes 32. Product weight, Ref: 28.2 kg (62.1 lb) 33. Shipping weight, Ref: 31.46 kg (69.3 lb) 34. Operating ambient temperature: 0C to 40C (32F to 104F) Notes:
31. Thermal time constant, Ref, winding to ambient: 60 minutes 32. Product weight, Ref: 28.2 kg (62.1 lb) 33. Shipping weight, Ref: 31.46 kg (69.3 lb) 34. Operating ambient temperature: 0C to 40C (32F to 104F) Notes: 0C to 40C (32F to 104F)
32. Product weight, Ref: 28.2 kg (62.1 lb) 33. Shipping weight, Ref: 31.46 kg (69.3 lb) 34. Operating ambient temperature: 0C to 40C (32F to 104F) Notes: 0
33. Shipping weight, Kei. 34. Operating ambient temperature: 0C to 40C (32F to 104F) Notes:
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Notes.
1 "Pof" denotes unteleranced specifications, provided for reference only
2. Speed, torque and current specifications are for operation with Allen Bradley drives.
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Dr. Scott Johnson Date 08-26-09

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
42. Shaft, key (if provided), front mounting surface, and connector mating surfaces are not painted.	

Feedback Specifications:

Automation	THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION OF ROCKWELL AUTOMATION, INC. AND MAY NOT BE USED, COPIED OR DISCLOSED TO OTHERS, EXCEPT WITH THE AUTHORIZED WRITTEN	MPM-B165	3C-SJ74AA	Size	1000007386	59 Ve 01
Rockwell	CONFIDENTIAL AND PROPRIETARY INFORMATION	Engineering Specificat	on Electrical	Sheet	3 o	-
<u>Notes:</u> 1. "Ref" denotes untoleranced sj	pecifications, provided for reference only	/.				
18. Memory storage capacity, E	t, 8 data bits, parity bit, stop bit. EPROM: Binary value of encoder temperature in	degrees C.	12	28 bytes		
Single turn absolute positior	a valuo rango:		0	to 32,767 (15 b	it)	
	rate, asynchronous: Encoder is slave, communication is exte			S 485, 9600 ba	ud	
12. TS+, TS- thermostat continu	 11. TS+, TS- thermostat continuous current, max, at 0.6 power factor: 12. TS+, TS- thermostat continuous current, max, at 1.0 power factor: 			2.5 Amps		
10. IS+, IS- thermostat operation	10. TS+, TS- thermostat operating voltage, max:			250 Volts 1.6 Amps		
9. EPWR 9V inrush input currer	nt, max, when connected to Kinetix6000	drive:	3.	9 ADC		
EPWR 9V continuous input c	urrent,max, at 9.0 VDC:		80) mADC		
7. EPWR 9V (encoder power) ir	nput voltage:		7.	0 to 12.0 VDC		
5. EPVK 5V CONTINUOUS INDUT C	nt, max, when connected to Kinetix6000		IN/			
4. EPWR 5V (encoder power) ir	nput voltage:		N/ N/			
3. SIN -, COS - voltage offset w	ith respect to ECOM ±0.3 VDC:		2.	2 to 2.8 VDC		
2. SIN, COS waveform amplitud	de, ± 10%:		1	0 VAC peak to	peak	
1. SIN, COS waveform output:			10)24 sinusoids/r	ev	

 Type: Spring-set holding brake, releases when voltage applied. 	
2. Holding torque, max:	28.3 Nm (250 lb-in)
 Voltage input, +15/-10%, may be applied either polarity: 	24 VDC
 Current input, +/- 10%, at 24 VDC, at 25C +/- 5C: 	1.17 ADC
5. Coil resistance, +/-10%, at 25C +/- 5C:	20.5 Ohms
5. Coil resistance, +/-10%, with motor operating at max continuous stall torque rating in a 40C ambient:	26.7 Ohms
7. Release time delay (when voltage applied), Ref:	70 msec
3. Engage time delay, (when voltage removed), Ref, with diode used as arc suppression device	
in external control circuit:	250 msec
9. Engage time delay, (when voltage removed), Ref, with MOV used as arc suppression device	
in external control circuit:	50 msec
0. Rotational backlash, Ref, with brake engaged:	25 arc minutes
1. Dielectric rating of brake connections (MBRK+, MBRK-) to ground for 1 second:	1200 VAC RMS 50/60 H

Notes:

1. "Ref" denotes untoleranced specifications, provided for reference only. Engineering Specification Electrical CONFIDENTIAL AND PROPRIETARY INFORMATION 4 5 Sheet of Rockwell Automation Size Ver THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATIC OF ROCKWELL AUTOMATION, INC. AND MAY NOT BE USED, COPIED OR DISCLOSED TO OTHERS, EXCEPT WITH THE AUTHORIZED WRITTEN PERMISSION OF ROCKWELL AUTOMATION, INC. MPM-B1653C-SJ74AA 10000073869 Α 01 Dr. Scott Johnson Date 08-26-09

