DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 12845572 : 254/6TC Cooling method Frame : IC411 - TEFC Insulation class Mounting : F : F-1 Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line : 1000 m.a.s.l. Approx. weight³ Altitude : 87.9 kg Protection degree : IP55 Moment of inertia (J) : 0.0367 kgm² Design : B Output [HP] 15 Poles 2 Frequency [Hz] 60 Rated voltage [V] 575 Rated current [A] 13.9 L. R. Amperes [A] 94.7 LRC [A] 6.8x(Code G) No load current [A] 5.20 Rated speed [RPM] 3525 Slip [%] 2.08 Rated torque [kgfm] 3.09 Locked rotor torque [%] 200 Breakdown torque [%] 300 Service factor 1.15 Temperature rise 80 K Locked rotor time 25s (cold) 14s (hot) Noise level² 75.0 dB(A) 25% 89.2 50% 89.5 Efficiency (%) 75% 91.0 100% 91.0 25% 0.47 50% 0.73 Power Factor 75% 0.83 100% 0.87 Foundation loads Drive end Non drive end Bearing type 6309 Z C3 6208 Z C3 : 101 kgf Max. traction Sealing V'Ring Without Max. compression : 189 kgf Bearing Seal 15797 h 20000 h Lubrication interval Lubricant amount 8 g 13 g Mobil Polyrex EM Lubricant type Notes

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

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LOAD PERFORMANCE CURVE

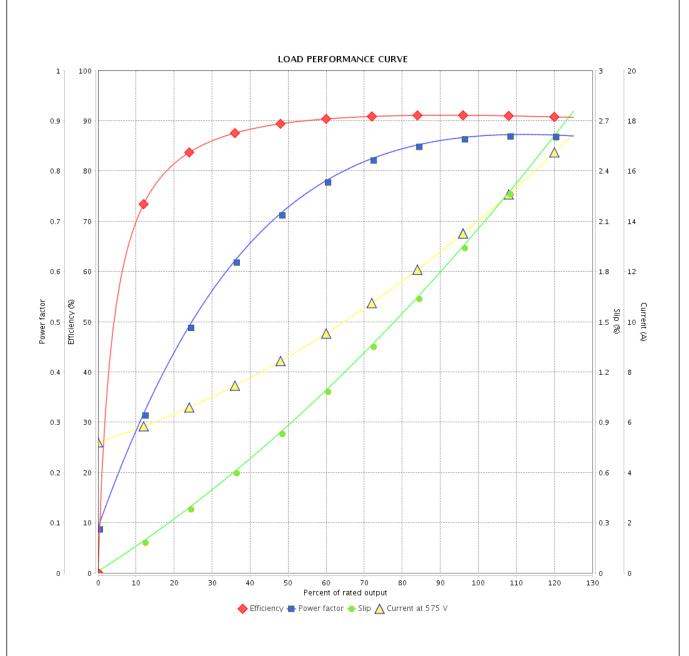
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12845572

Phase



Performance	: 575 V 60 Hz 2P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 13.9 A : 6.8 : 3.09 kgfm : 200 % : 300 % : 3525 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.0367 kgm ² : Cont.(S1) : F : 1.15 : 80 K : B	2
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