DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W40 NEMA Premium Efficiency Three-Product code: 14722913 : 404/5TC Locked rotor time Frame : 18s (cold) 10s (hot) Output : 125 HP Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 1000 m.a.s.l. Rated voltage : 575 V Altitude Protection degree Rated current : 110 A : IP23 L. R. Amperes Cooling method : IC01 - ODP : 762 A **LRC** : 6.9x(Code G) Mounting : F-1 Rotation¹ : Both (CW and CCW) No load current : 37.6 A Rated speed : 1780 rpm Noise level² : 69.0 dB(A) : Direct On Line Slip : 1.11 % Starting method Rated torque Approx. weight3 : 51.0 kgfm : 476 kg Locked rotor torque : 270 % Breakdown torque : 260 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 1.08 kgm² Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 95.0 95.4 95.4 Max. traction : 1066 kgf : 1542 kgf Power Factor 0.75 0.83 0.86 Max. compression Non drive end Drive end Bearing type 6316 C3 6212 Z C3 Without Bearing Seal Without Bearing Seal Sealing Lubrication interval 20000 h 20000 h Lubricant amount 34 g 13 g Lubricant type Mobil Polyrex EM

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

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Customer :

Product line : W40 NEMA Premium Efficiency Three-

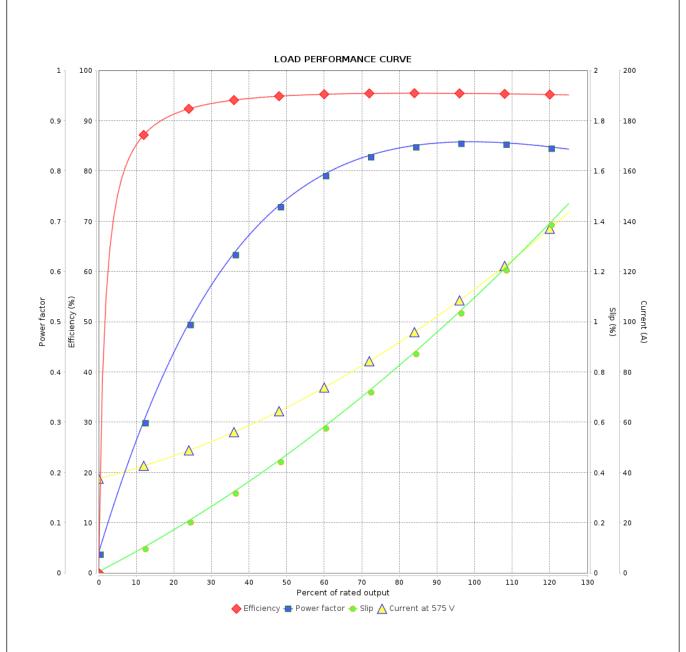
Product code:

14722913



15/01/2024

Date



Performance	: 575 V 60 Hz 4P					
Rated current	: 110 A	Moment of inertia (J)		: 1.08 kgm²		
LRC	: 6.9	51.0 kgfm Insulation class 270 % Service factor 260 % Temperature rise		: Cont.(S1) : F		
Rated torque	: 51.0 kgfm					
Locked rotor torque	: 270 %			: 1.15		
Breakdown torque	: 260 %			: 80 K		
Rated speed	: 1780 rpm			: B		
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