DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : General NEMA Premium Efficiency Three-Product code: 10722641 : 182T Locked rotor time Frame : 28s (cold) 16s (hot) Output : 5 HP (3.7 kW) Temperature rise : 105 K Poles Duty cycle : Cont.(S1) : 2 Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 575 V Altitude : 1000 m.a.s.l. Protection degree Rated current : 4.94 A : IP21 Cooling method : IC01 - ODP L. R. Amperes : 34.6 A **LRC** : 7.0x(Code H) Mounting : F-1 : Both (CW and CCW) No load current : 1.92 A Rotation¹ Rated speed : 3490 rpm Noise level² : 64.0 dB(A) : Direct On Line Slip : 3.06 % Starting method Rated torque : 1.04 kgfm Approx. weight³ : 26.1 kg Locked rotor torque : 200 % Breakdown torque : 280 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.0054 kgm² Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 87.5 88.5 88.5 Max. traction : 48 kgf Power Factor : 74 kgf 0.68 0.80 0.85 Max. compression Drive end Non drive end Bearing type 6206 ZZ 6205 ZZ Without Bearing Seal Without Bearing Seal Sealing Lubrication interval Lubricant amount

Mobil Polyrex EM

Notes:

Lubricant type

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 :

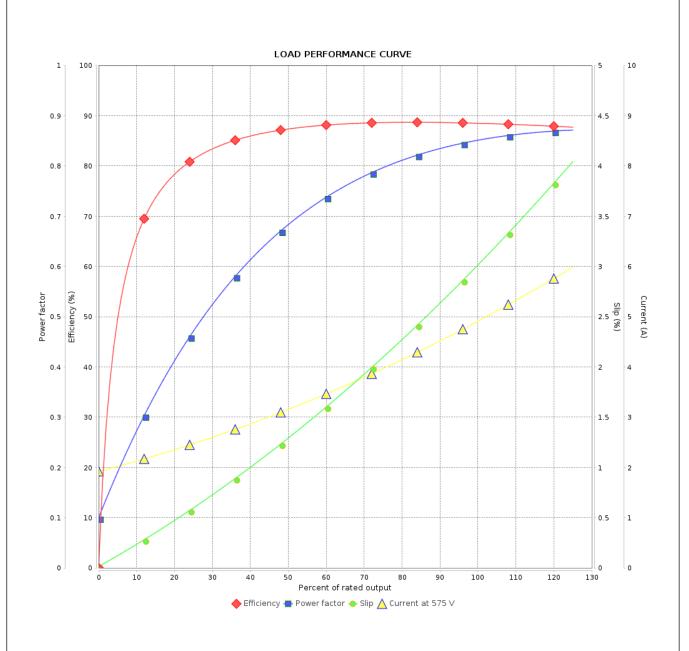
Product line : General NEMA Premium Efficiency Three-

Dhace

Product code:

10722641

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Performance	: 575 V 60 Hz 2P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 4.94 A : 7.0 : 1.04 kgfm : 200 % : 280 % : 3490 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.0054 kgm² : Cont.(S1) : F : 1.15 : 105 K : B	2			
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