## **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer Product line : Explosion Proof Standard Efficiency Three-Product code: 10674682 : B56CEX Locked rotor time Frame : 27s (cold) 15s (hot) Output : 0.75 HP (0.550 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Altitude : 1000 m.a.s.l. Rated voltage : 575 V Rated current : 0.928 A Protection degree : IP44 L. R. Amperes Cooling method : IC411 - TEFC : 5.29 A **LRC** : 5.7x(Code H) Mounting : F-1 : Both (CW and CCW) Rotation<sup>1</sup> No load current : 0.560 A Rated speed : 1730 rpm Noise level<sup>2</sup> : 50.0 dB(A) : Direct On Line Slip : 3.89 % Starting method Rated torque Approx. weight3 : 17.4 kg : 0.315 kgfm Locked rotor torque : 240 % Breakdown torque : 280 % : B Insulation class Service factor : 1.15 Moment of inertia (J) : 0.0041 kgm<sup>2</sup> 50% Output 75% 100% Foundation loads Efficiency (%) 77.0 0.08 81.5 Max. traction : 19 kgf Power Factor 0.53 0.66 0.74 Max. compression : 37 kgf Non drive end Drive end Bearing type 6203 ZZ 6203 ZZ Without Bearing Seal Without Bearing Seal Sealing Lubrication interval Lubricant amount 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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#### Thermal protection

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ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	130 °C

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# LOAD PERFORMANCE CURVE

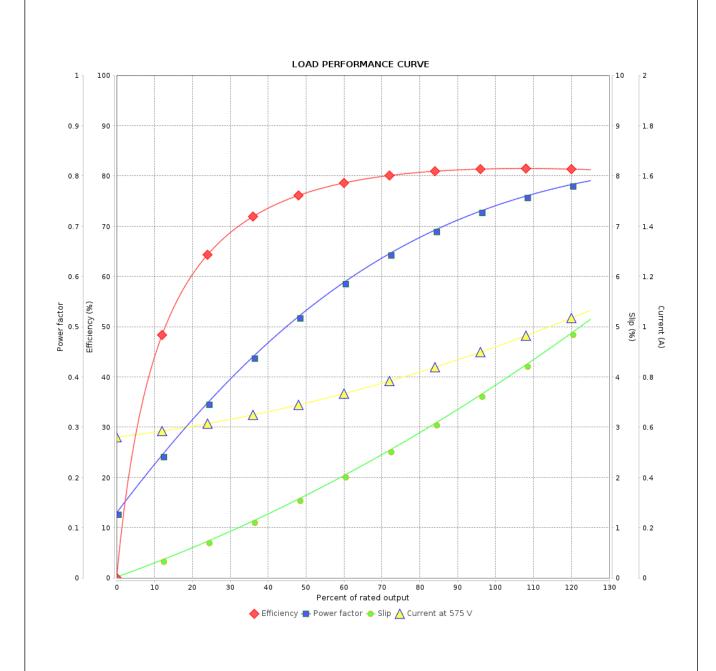
#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Explosion Proof Standard Efficiency Three- Product code : 10674682

Phase



Performance : 575 V 60 Hz 4P Rated current : 0.928 A Moment of inertia (J) : 0.0041 kgm<sup>2</sup> **LRC** : 5.7 Duty cycle : Cont.(S1) : 0.315 kgfm Insulation class Rated torque : B Locked rotor torque : 240 % Service factor : 1.15 Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 1730 rpm

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