DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : Explosion Proof Standard Efficiency Three-Product code: 14224001 : A56CEX Locked rotor time Frame : 27s (cold) 15s (hot) Output : 0.25 HP (0.18 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C : 575 V : 1000 m.a.s.l. Rated voltage Altitude Protection degree : IP44 Rated current : 0.500 A Cooling method : IC411 - TEFC L. R. Amperes : 2.50 A **LRC** : 5.0x(Code L) Mounting : F-1 : Both (CW and CCW) No load current : 0.380 A Rotation¹ Rated speed : 1750 rpm Noise level² : 50.0 dB(A) : Direct On Line Slip : 2.78 % Starting method Rated torque : 0.104 kgfm Approx. weight³ : 12.9 kg Locked rotor torque : 280 % Breakdown torque : 300 % : B Insulation class Service factor : 1.15 Moment of inertia (J) : 0.0023 kgm² 100% Output 50% 75% Foundation loads Efficiency (%) 50.5 57.5 64.0 Max. traction : 3 kgf Power Factor 0.40 0.48 0.58 Max. compression : 16 kgf Non drive end Drive end Bearing type 6203 ZZ 6203 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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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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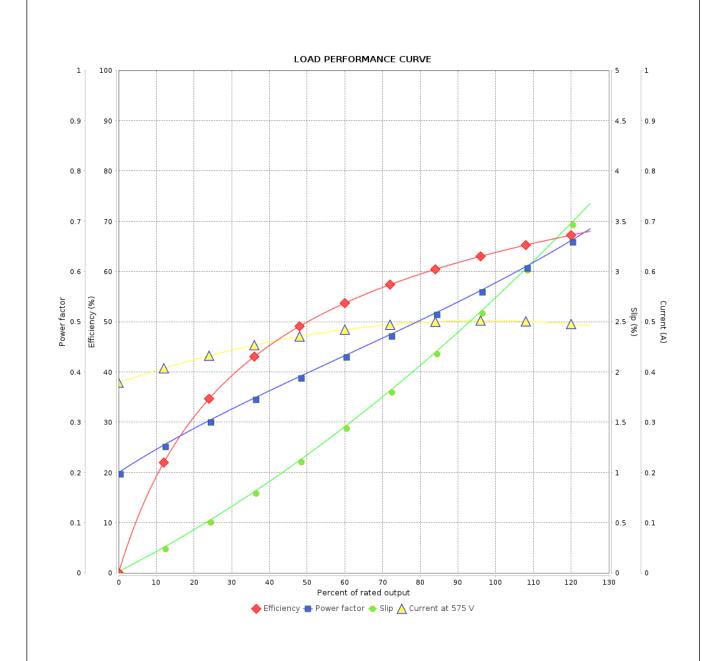
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : Explosion Proof Standard Efficiency Three-Product code: 14224001



Performance	: 5	75 V 60 Hz 4P					
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 5 : 0 ue : 2 e : 3	.500 A .0 .104 kgfm 80 % 00 % 750 rpm	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 0.0023 kgm² : Cont.(S1) : B : 1.15 : 80 K	
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