DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : Explosion Proof Standard Efficiency Product code : 10687989 Three-Phase : B56CEX Locked rotor time Frame : 27s (cold) 15s (hot) Output : 0.75 HP (0.550 kW) Temperature rise : 80 K Poles : 4 Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 208-230/460 V : 1000 m.a.s.l. Rated voltage Altitude Protection degree Rated current : 2.57-2.32/1.16 A : IP44 : IC411 - TEFC L. R. Amperes : 14.6-13.2/6.61 A Cooling method **LRC** : 5.7x(Code H) Mounting : F-1 : 1.55-1.40/0.700 A : Both (CW and CCW) No load current Rotation¹ Rated speed : 1730 rpm Noise level² : 50.0 dB(A) Slip : 3.89 % Starting method : Direct On Line Rated torque : 0.315 kgfm Approx. weight³ : 17.5 kg Locked rotor torque : 240 % Breakdown torque : 280 % Insulation class : B Service factor : 1.15 Moment of inertia (J) : 0.0041 kgm² 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

Drive end
Bearing typeNon drive end
6203 ZZSealing: Without Bearing SealWithout Bearing Seal

Lubrication interval : Lubricant amount : -

Lubricant amount : - - - Lubricant type : Mobil Polyrex EM

Notes

USABLE @208V SF 1.00

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

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

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LOAD PERFORMANCE CURVE

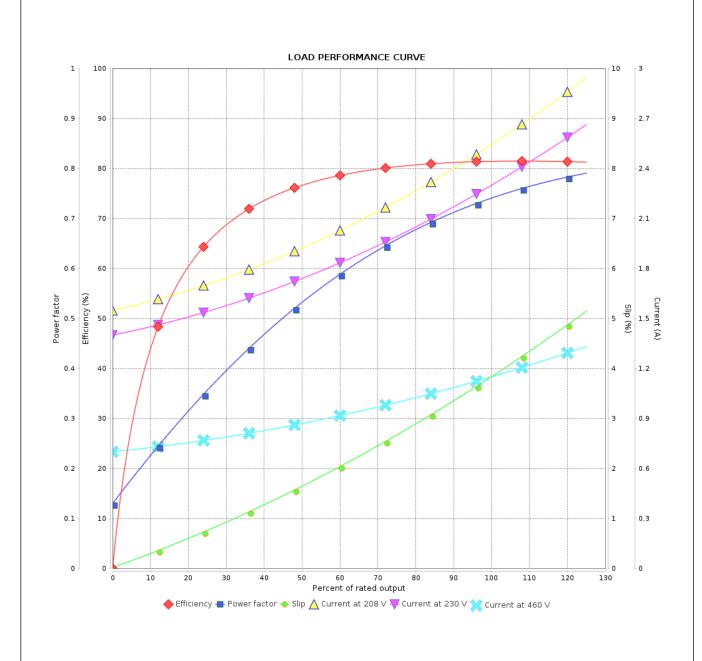
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Explosion Proof Standard Efficiency Product code : 10687989

Three-Phase



Performance : 208-230/460 V 60 Hz 4P : 2.57-2.32/1.16 A Rated current Moment of inertia (J) : 0.0041 kgm² **LRC** : 5.7 Duty cycle : Cont.(S1) : 0.315 kgfm Rated torque Insulation class : B Locked rotor torque : 240 % Service factor Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 1730 rpm

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