## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer Product line : General NEMA Premium Efficiency Three-Product code: 10730728 : 213/5T Locked rotor time Frame : 27s (cold) 15s (hot) Output : 10 HP (7.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : 2 : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 1000 m.a.s.l. Rated voltage : 575 V Altitude Protection degree Rated current : 9.52 A : IP21 Cooling method : IC01 - ODP L. R. Amperes : 68.5 A **LRC** : 7.2x(Code H) Mounting : F-1 : Both (CW and CCW) : 2.80 A No load current Rotation<sup>1</sup> Rated speed : 3540 rpm Noise level<sup>2</sup> : 68.0 dB(A) Slip : 1.67 % Starting method : Direct On Line Rated torque : 2.05 kgfm Approx. weight<sup>3</sup> : 55.5 kg Locked rotor torque : 220 % Breakdown torque : 310 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.0206 kgm<sup>2</sup> Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 89.5 90.2 90.2 Max. traction : 89 kgf Power Factor : 145 kgf 0.73 0.83 88.0 Max. compression Drive end Non drive end Bearing type 6208 ZZ 6206 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.

Rev.		Changes Summary	Performed	Checked	Date
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## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General NEMA Premium Efficiency Three-

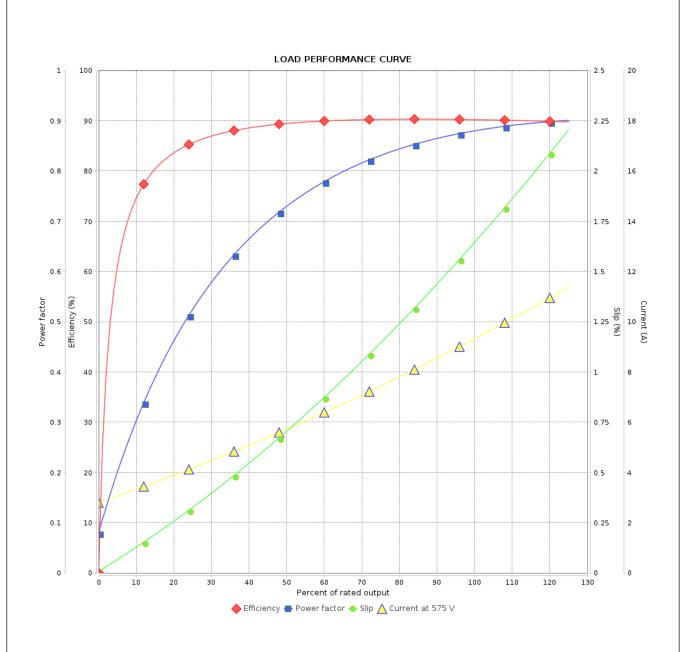
Product code:

10730728

Phase

05/02/2024

Date



Performance	: 575 V 60 Hz 2P				
Rated current LRC Rated torque Locked rorque Breakdown torque	: 9.52 A : 7.2 : 2.05 kgfm : 220 % : 310 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 0.0206 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
Rated speed  Rev.	: 3540 rpm Changes Summary	Design	Performed	Checked	Date
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Checked by				Page	Revision

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