DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : Close Coupled Pump NEMA Premium Product code: 11084484 Efficiency Three-Phase : 213/5JM Locked rotor time Frame : 27s (cold) 15s (hot) Output : 10 HP (7.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -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 L. R. Amperes Cooling method : IC01 - ODP : 68.5 A **LRC** : 7.2x(Code H) Mounting : F-1 Rotation¹ : Both (CW and CCW) No load current : 2.80 A Rated speed : 3540 rpm Noise level² : 68.0 dB(A) Starting method : Direct On Line Slip : 1.67 % Rated torque Approx. weight3 : 58.1 kg : 2.05 kgfm Locked rotor torque : 220 % : 310 % Breakdown torque Insulation class : F Service factor : 1.15 : 0.0206 kgm² Moment of inertia (J) Design : B 25% 50% 75% 100% Output Foundation loads Efficiency (%) 89.3 89.5 90.2 90.2 Max. traction : 88 kgf Power Factor : 146 kgf 0.50 0.73 0.83 0.88 Max. compression Drive end Non drive end Bearing type 6209 ZZ 6206 ZZ Without Bearing Seal Without Bearing Seal Sealing Lubrication interval

Mobil Polyrex EM

Notes:

Lubricant amount 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

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| Rev. | | Changes Summary | Performed | Checked | Date |
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MG-1.

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

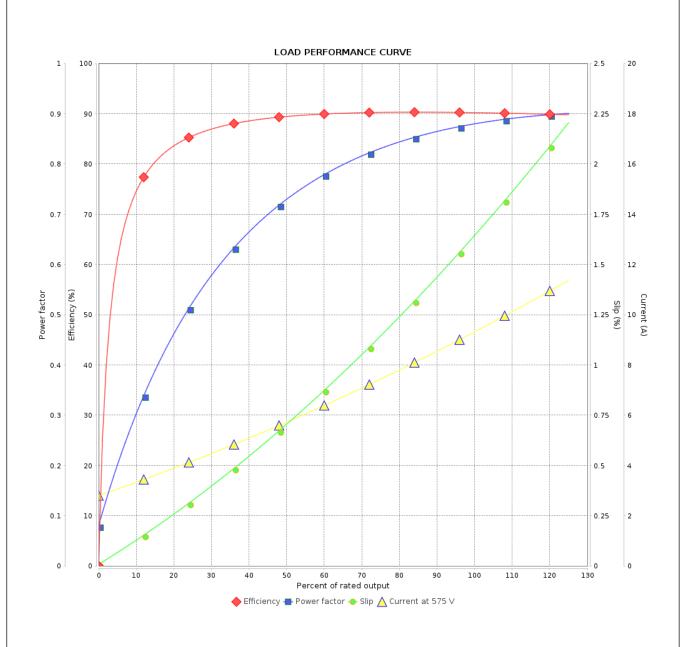
Date

14/01/2024

Product line : Close Coupled Pump NEMA Premium

Efficiency Three-Phase

Product code: 11084484



| Performance | : | 575 V 60 Hz 2P | | | | |
|---|-----------------|--|---|---------------|--|------|
| Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed | : que : | 9.52 A 7.2 2.05 kgfm 220 % 310 % 3540 rpm | Moment of Duty cycle Insulation Service fa Temperatu Design | class ctor | : 0.0206 kgm² : Cont.(S1) : F : 1.15 : 80 K : B | |
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Revision