DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : ODP NEMA Premium Efficiency Three-Product code: 11128200 : 254TC Locked rotor time Frame : 25s (cold) 14s (hot) Output : 15 HP (11 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 Rated current : 14.9 A Protection degree : IP23 : IC01 - ODP L. R. Amperes : 100 A Cooling method **LRC** : 6.7x(Code H) Mounting : F-1 : Both (CW and CCW) No load current : 7.20 A Rotation¹ Rated speed : 1775 rpm Noise level² : 59.0 dB(A) : Direct On Line Slip : 1.39 % Starting method Rated torque : 6.13 kgfm Approx. weight³ : 110 kg Locked rotor torque : 290 % Breakdown torque : 300 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.0878 kgm² Design : B 50% 75% Output 100% Foundation loads : 234 kgf Efficiency (%) 91.7 92.4 93.0 Max. traction Power Factor : 344 kgf 0.60 0.72 0.80 Max. compression Non drive end Drive end 6309 Z C3 Bearing type 6209 Z C3 Without Bearing Seal Without Bearing Seal Sealing 20000 h Lubrication interval 20000 h Lubricant amount 13 g 9 g 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.

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

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP NEMA Premium Efficiency Three-

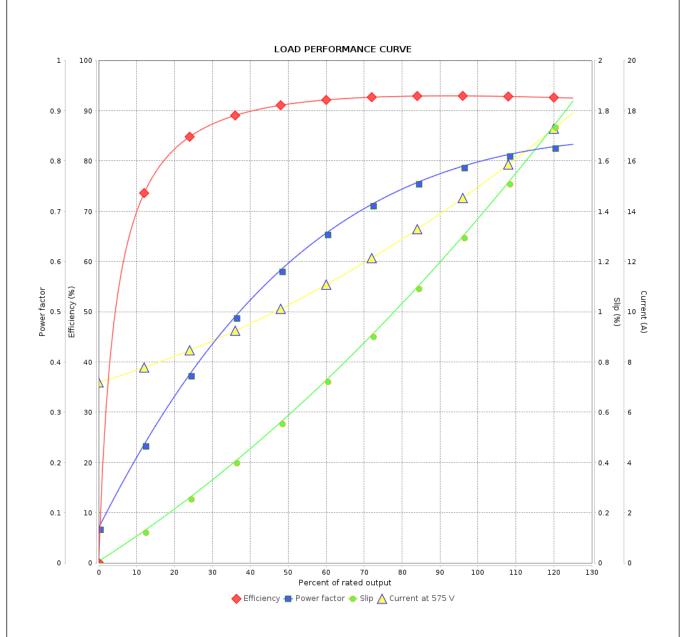
Product code:

11128200



05/05/2024

Date



| Performance | : 575 V 60 Hz 4P | | | | |
|--|--|--|-----------|--|----------|
| Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed | : 14.9 A : 6.7 : 6.13 kgfm : 290 % : 300 % : 1775 rpm | Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design | | : 0.0878 kgm² : Cont.(S1) : F : 1.15 : 80 K : B | |
| Rev. | Changes Summary | | Performed | Checked | Date |
| Performed by | | | | | |
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