DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 P Base NEMA Premium Efficiency Product code: 13954310 Three-Phase : 182/4HP Locked rotor time Frame : 45s (cold) 25s (hot) Output : 5 HP (3.7 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : 2 Frequency : 60 Hz Ambient temperature : -20°C to +40°C : 1000 m.a.s.l. Rated voltage : 575 V Altitude Rated current : 4.72 A Protection degree : IP55 : IC411 - TEFC L. R. Amperes : 35.9 A Cooling method **LRC** : 7.6x(Code J) Mounting : W-6 : Both (CW and CCW) No load current : 1.60 A Rotation¹ Rated speed : 3485 rpm Noise level² : 69.0 dB(A) Slip : 3.19 % Starting method : Direct On Line Rated torque : 1.04 kgfm Approx. weight³ : 47.0 kg Locked rotor torque : 229 % Breakdown torque : 350 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.0094 kgm² Design 25% 50% 75% 100% Output Foundation loads Efficiency (%) 0.000 86.5 88.5 88.5 Max. traction Power Factor 0.00 0.76 0.85 0.89 Max. compression Drive end Non drive end Bearing type 6308 ZZ 6206 ZZ V'Ring V'Ring Sealing Lubrication interval 0 h 0 h Lubricant amount 0 g 0 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
Performed by					
Checked by				Page	Revision
Date	15/01/2024			1/2	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

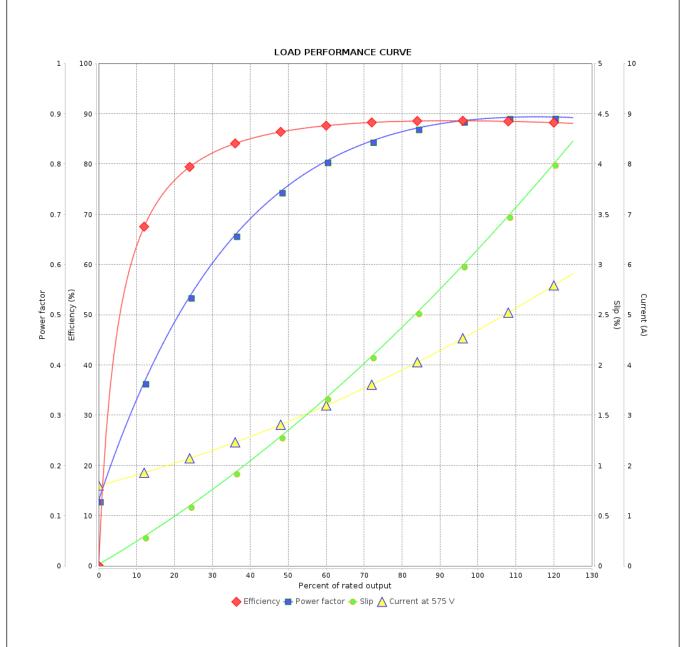
Date

15/01/2024

Product line : W22 P Base NEMA Premium Efficiency

Three-Phase

Product code: 13954310



Performance : 575 V 60 Hz 2P : 0.0094 kgm² Rated current : 4.72 A Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 7.6 Insulation class Rated torque : 1.04 kgfm : F Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 350 % Temperature rise : 80 K Rated speed : 3485 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

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