DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W40 NEMA Premium Efficiency Three-Product code: 14495935 Locked rotor time Frame : 284TS : 18s (cold) 10s (hot) Output : 30 HP (22 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : 2 Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 575 V Altitude : 1000 m.a.s.l. Rated current : 28.0 A Protection degree : IP23 : IC01 - ODP L. R. Amperes : 176 A Cooling method **LRC** : 6.3x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 10.0 A Rotation¹ Rated speed : 3545 rpm Noise level² : 73.0 dB(A) Slip : 1.53 % Starting method : Direct On Line Rated torque : 6.14 kgfm Approx. weight³ : 138 kg Locked rotor torque : 180 % Breakdown torque : 260 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.0669 kgm² Design 25% 50% Output 75% 100% Foundation loads Efficiency (%) 90.0 90.2 91.7 91.7 Max. traction Power Factor 0.48 0.73 0.82 0.86 Max. compression Drive end Non drive end Bearing type 6311 Z C3 6211 Z C3 Without Bearing Seal Without Bearing Seal Sealing 20000 h

Mobil Polyrex EM

18 g

Notes

Lubrication interval

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

20000 h

11 g

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MG-1.

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

22/10/2023

Product line : W40 NEMA Premium Efficiency Three-

Product code:

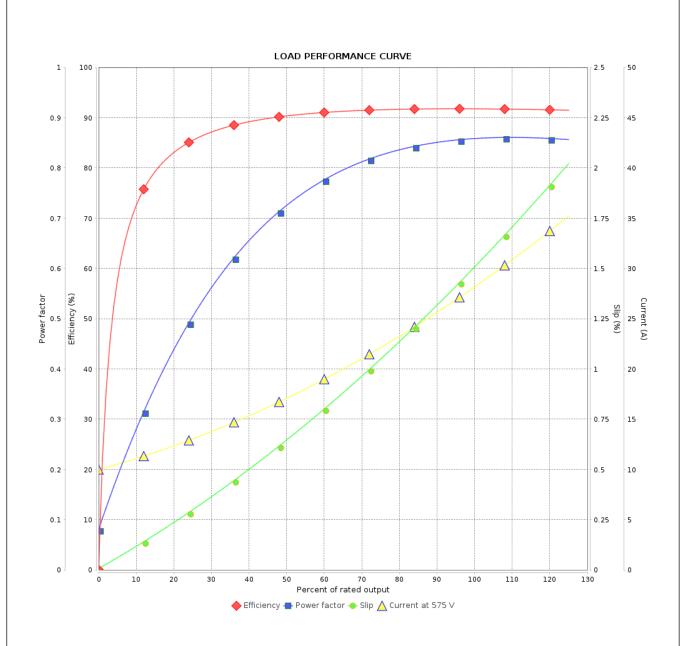
14495935

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Revision





Performance	: 575 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 28.0 A : 6.3 : 6.14 kgfm : 180 % : 260 % : 3545 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0669 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					