DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W40 NEMA Premium Efficiency Three-Product code: 14495150 : 284T Locked rotor time Frame : 59s (cold) 33s (hot) Output : 25 HP (18.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 575 V Altitude : 1000 m.a.s.l. Rated current : 23.6 A Protection degree : IP23 : IC01 - ODP L. R. Amperes : 149 A Cooling method **LRC** : 6.3x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 8.32 A Rotation¹ Rated speed : 1770 rpm Noise level² : 64.0 dB(A) Slip : 1.67 % Starting method : Direct On Line Rated torque : 10.3 kgfm Approx. weight³ : 157 kg Locked rotor torque : 229 % Breakdown torque : 270 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.1563 kgm² Design 25% 50% 100% Output 75% Foundation loads Efficiency (%) 92.8 93.0 93.6 93.6 Max. traction Power Factor 0.46 0.69 0.80 0.84 Max. compression Drive end Non drive end Bearing type 6311 Z C3 6211 Z C3 Without Bearing Seal Without Bearing Seal Sealing 20000 h Lubrication interval 20000 h

Mobil Polyrex EM

18 g

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

11 g

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MG-1.

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-

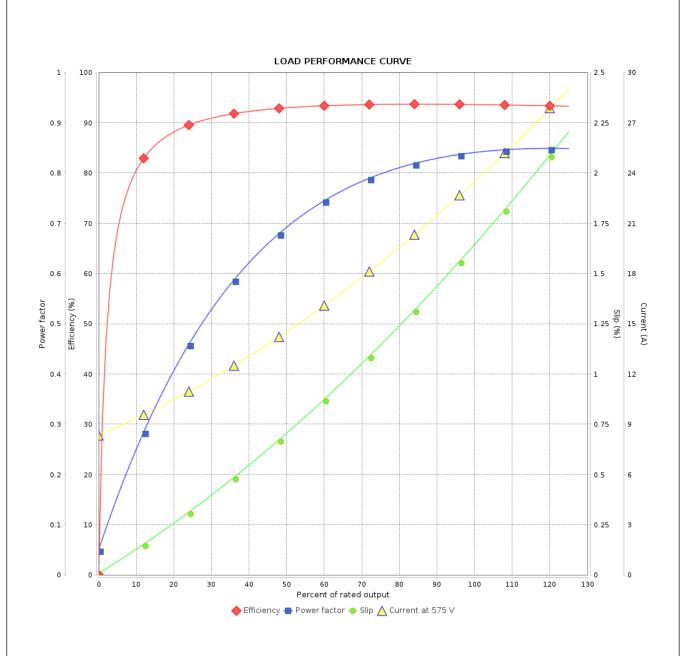
Product code:

14495150

Phase

22/10/2023

Date



Performance	: 575 V 60 Hz 4P					
Rated current LRC Rated torque	: 23.6 A : 6.3 : 10.3 kgfm	Moment of inertia (J) Duty cycle Insulation class		: 0.1563 kgm² : Cont.(S1) : F		
Locked rotor torque Breakdown torque Rated speed	: 229 % : 270 % : 1770 rpm	Service factor Temperature rise Design		: 1.25 : 80 K : B		
Rev.	Changes Summary		Performed	Checked	Date	
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Checked by				Page	Revision	

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