DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W40 NEMA Premium Efficiency Three-Product code: 15811557 : 404/5T Locked rotor time Frame : 19s (cold) 11s (hot) Output : 75 HP (55 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature Rated voltage : 575 V Altitude : 1000 m.a.s.l. Rated current : 68.7 A Protection degree : IP23 : IC01 - ODP L. R. Amperes : 460 A Cooling method **LRC** : 6.7x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 24.0 A Rotation¹ Rated speed : 1185 rpm Noise level² : 68.0 dB(A) : Direct On Line Slip : 1.25 % Starting method Rated torque : 45.9 kgfm Approx. weight³ : 437 kg Locked rotor torque : 240 % Breakdown torque : 270 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 1.33 kgm² Design : B 50% 75% Output 100% Foundation loads : 1001 kgf Efficiency (%) 94.1 94.5 94.5 Max. traction Power Factor 0.72 0.81 0.85 Max. compression : 1439 kgf Non drive end Drive end Bearing type 6316 C3 6212 Z C3 Without Bearing Seal Without Bearing Seal Sealing 20000 h Lubrication interval 20000 h

Mobil Polyrex EM

34 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

13 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:

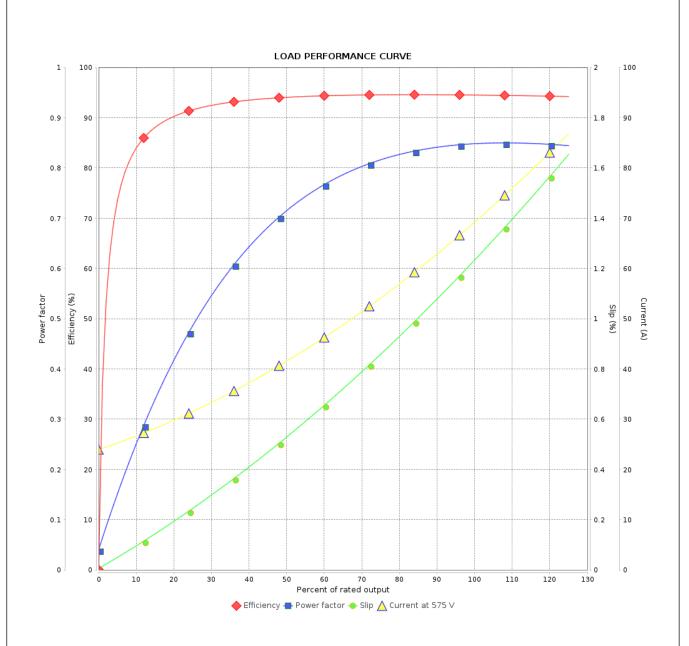
15811557

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Revision





Performance	: 5	575 V 60 Hz 6P					
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6 : 4 que : 2 ie : 2	: 68.7 A : 6.7 : 45.9 kgfm : 240 % : 270 % : 1185 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.33 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	
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