DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : ODP NEMA Premium Efficiency Three-Product code: 10731175 : 364/5TS Locked rotor time Frame : 21s (cold) 12s (hot) Output : 100 HP (75 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 : 89.6 A Protection degree : IP23 : IC01 - ODP L. R. Amperes : 600 A Cooling method **LRC** : 6.7x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 24.0 A Rotation¹ Rated speed : 3560 rpm Noise level² : 83.0 dB(A) Slip : 1.11 % Starting method : Direct On Line Rated torque : 20.4 kgfm Approx. weight³ : 361 kg Locked rotor torque : 190 % Breakdown torque : 250 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.3498 kgm² Design 25% 50% 100% Output 75% Foundation loads Efficiency (%) 94.0 94.1 94.5 94.5 Max. traction : 392 kgf Power Factor 0.59 0.84 0.89 0.89 Max. compression : 753 kgf Drive end Non drive end 6314 C3 Bearing type 6314 C3 Without Bearing Seal Without Bearing Seal Sealing 14418 h 14418 h Lubrication interval Lubricant amount 27 g 27 g

Mobil Polyrex EM

Notes:

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 MG-1.

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Checked by				Page	Revision
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LOAD PERFORMANCE CURVE

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Customer :

Product line : ODP NEMA Premium Efficiency Three-

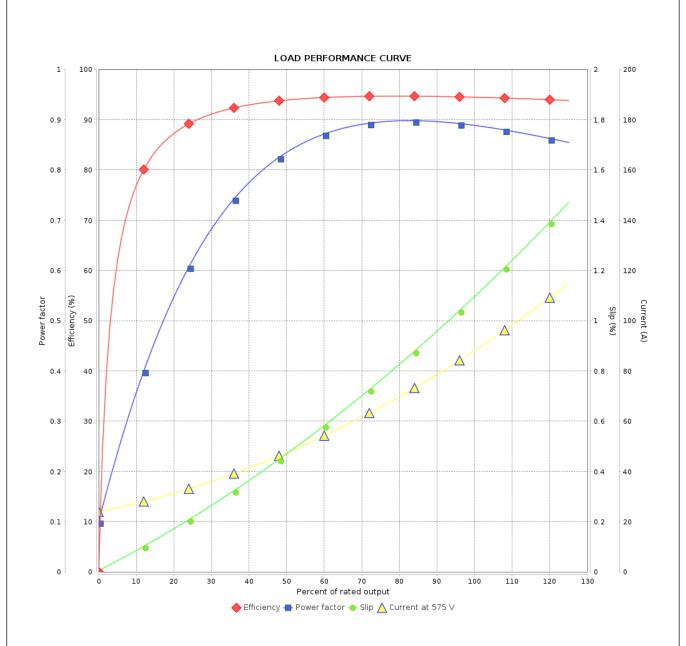
Product code:

10731175



05/02/2024

Date



Performance	: 575 V 60 Hz 2P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 89.6 A : 6.7 : 20.4 kgfm : 190 % : 250 % : 3560 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.3498 kgm² : Cont.(S1) : F : 1.15 : 80 K : B			
Rev.			Performed	Checked	Date		
Performed by							
Checked by				Page	Revision		

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