DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : Close Coupled Pump NEMA Premium Product code: 12032545 Efficiency Three-Phase : 324JP Locked rotor time Frame : 50s (cold) 28s (hot) Output : 40 HP (30 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 1000 m.a.s.l. Rated voltage : 575 V Altitude Protection degree Rated current : 38.6 A : IP23 Cooling method : IC01 - ODP L. R. Amperes : 239 A **LRC** : 6.2x(Code G) Mounting : W-6 : Both (CW and CCW) No load current : 14.8 A Rotation¹ Rated speed : 1775 rpm Noise level² : 64.0 dB(A) : Direct On Line Slip : 1.39 % Starting method Rated torque : 16.4 kgfm Approx. weight³ : 219 kg Locked rotor torque : 220 % Breakdown torque : 229 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.2551 kgm² Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 93.6 94.1 94.1 Max. traction : 364 kgf Power Factor : 583 kgf 0.68 0.78 0.83 Max. compression Non drive end Drive end 6312 Z C3 Bearing type 6212 Z C3 Without Bearing Seal Without Bearing Seal Sealing 20000 h Lubrication interval 20000 h Lubricant amount 21 g 13 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.

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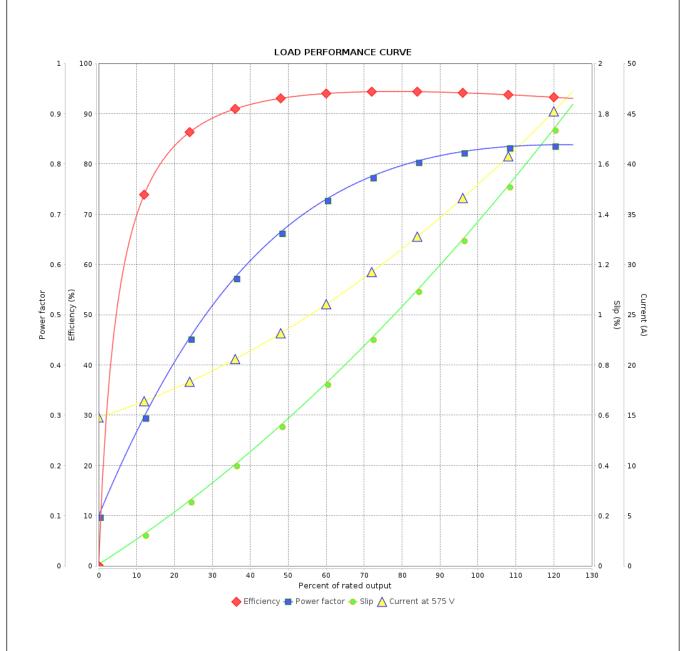


Customer :

Product line : Close Coupled Pump NEMA Premium

Efficiency Three-Phase

Product code: 12032545



Performance	: 575 V 60 Hz 4P				
Performance	. 575 V 60 HZ 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 38.6 A : 6.2 : 16.4 kgfm : 220 % : 229 % : 1775 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.2551 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	: F : 1.15 : 80 K	
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14/01/2024

Date

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line			oupled Pump NEMA Efficiency Three-Ph		12032545
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design		: 324JP : 40 HP (30 kW) : 4 : 60 Hz : 575 V : 38.6 A : 239 A : 6.2x(Code G) : 14.8 A : 1775 rpm : 1.39 % : 16.4 kgfm : 220 % : 229 % : F : 1.15 : 0.2551 kgm² : B		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 50s (cold) 28s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : IC01 - ODP : W-6 : Both (CW and CCW) : 64.0 dB(A) : Direct On Line : 219 kg
Output Efficiency (%) Power Factor	50% 93.6 0.68	75% 94.1 0.78	100% 94.1 0.83	Foundation loads Max. traction Max. compression	: 364 kgf : 583 kgf
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : Wit : :	Drive end 6312 Z C3 hout Bearing Seal 20000 h 21 g	Non drive end 6212 Z C3 Without Bearing 20000 h 13 g bil Polyrex EM	

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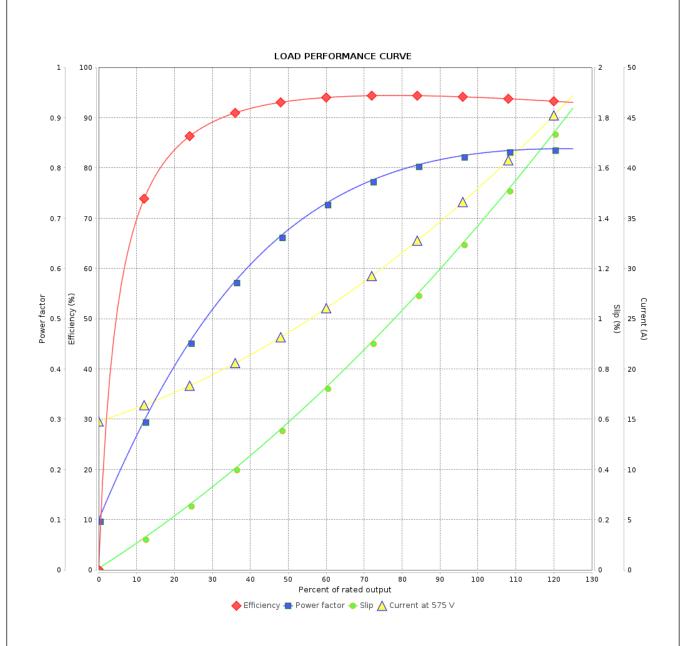


Customer :

Product line : Close Coupled Pump NEMA

Premium Efficiency Three-Phase

Product code: 12032545



Performance : 575 V 60 Hz 4P : 0.2551 kgm² : 38.6 A Moment of inertia (J) Rated current **LRC** : Cont.(S1) : 6.2 Duty cycle : 16.4 kgfm Insulation class : F Rated torque Locked rotor torque : 220 % Service factor : 1.15 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 1775 rpm Design : B

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