DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W40 NEMA Premium Efficiency Three-Product code: 15820920 Locked rotor time Frame : 284/6TC : 32s (cold) 18s (hot) Output : 30 HP (22 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 : 27.9 A Protection degree : IP23 : IC01 - ODP L. R. Amperes : 184 A Cooling method **LRC** : 6.6x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 9.68 A Rotation¹ Rated speed : 1770 rpm Noise level² : 64.0 dB(A) : Direct On Line Slip : 1.67 % Starting method Rated torque : 12.3 kgfm Approx. weight³ : 183 kg Locked rotor torque : 240 % Breakdown torque : 270 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.1906 kgm² Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 93.6 94.1 94.1 Max. traction Power Factor 0.70 0.80 0.84 Max. compression Drive end Non drive end 6311 Z C3 Bearing type 6211 Z C3 Without Bearing Seal Without Bearing Seal Sealing 20000 h Lubrication interval 20000 h Lubricant amount 18 g 11 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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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-

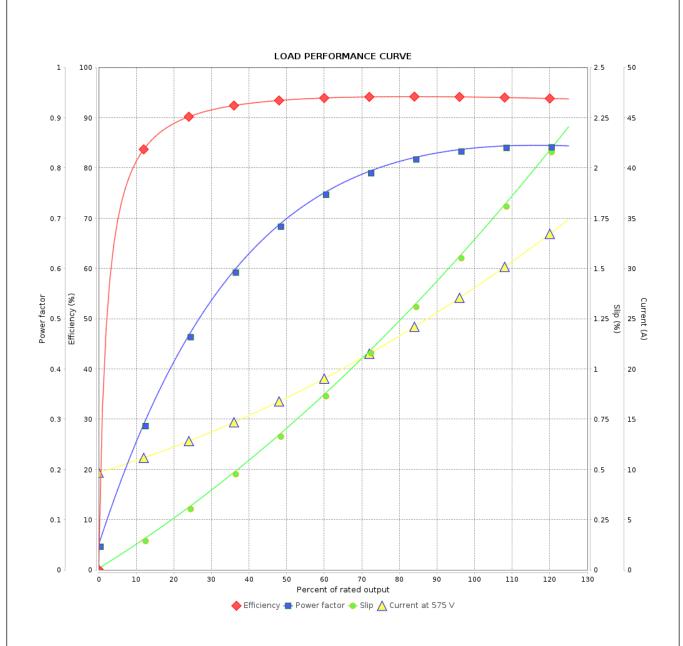
Product code:

15820920



22/10/2023

Date



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Performance	: 5	: 575 V 60 Hz 4P								
Rated current				f inertia (J)	: 0.1906 kgm²					
LRC	: 6	.6	Duty cycle		: Cont.(S1)					
Rated torque	: 1:	2.3 kgfm	m Insulation class		: F					
Locked rotor tord	que : 24	40 %	Service fa	Service factor		: 1.25				
Breakdown torqu	.ie : 2	70 %	Temperat	Temperature rise						
Rated speed	: 1	770 rpm	Design		: B					
Rev.	Changes Summary		1	Performed	Checked	Date				
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