DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 IEEE 841 NEMA Premium Efficiency Product code: 11941318 Three-Phase : 213/5TC Locked rotor time Frame : 32s (cold) 18s (hot) Output : 10 HP (7.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C : 1000 m.a.s.l. Rated voltage : 575 V Altitude Rated current : 9.28 A Protection degree : IP55 : IC411 - TEFC L. R. Amperes : 66.8 A Cooling method Mounting **LRC** : 7.2x(Code H) : F-1 : Both (CW and CCW) No load current : 2.88 A Rotation¹ Rated speed : 3520 rpm Noise level² : 68.0 dB(A) Slip : 2.22 % Starting method : Direct On Line Rated torque : 2.06 kgfm Approx. weight3 : 84.7 kg Locked rotor torque : 220 % Breakdown torque : 290 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.0268 kgm² Design : B 75% Output 50% 100% Foundation loads Efficiency (%) 89.5 90.2 90.2 Max. traction : 68 kgf Power Factor 0.79 0.87 0.90 Max. compression : 153 kgf Losses at normative operating points (speed;torque), in percentage of rated output power P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P1 (0,9;1,0) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0,25) 10.5 8.5 7.4 5.1 3.2 2.0 1.2 Drive end Non drive end Bearing type 6308 C3 6207 C3 Sealing Taconite Labyrinth Taconite Labyrinth 20000 h 20000 h Lubrication interval Lubricant amount 11 g 7 g Lubricant type Mobil Polyrex EM Notes: This revision replaces and cancel the previous one, which These are average values based on tests with sinusoidal must be eliminated. power supply, subject to the tolerances stipulated in NEMA (1) Looking the motor from the shaft end. MG-1. (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. Performed Checked Rev. **Changes Summary** Date Performed by Checked by Page Revision

1/2

13/01/2024

Date

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

13/01/2024

Product line : W22 IEEE 841 NEMA Premium Efficiency

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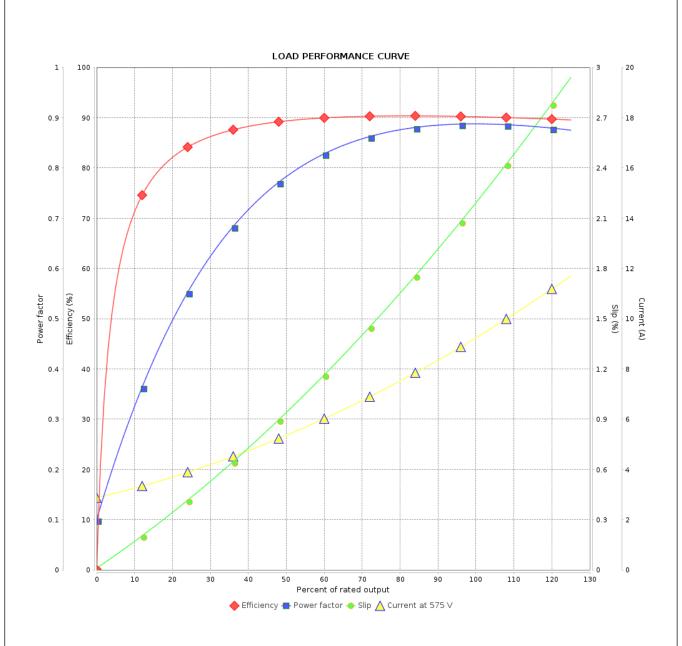
Product code:

11941318

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Revision



Performance	: 5	575 V 60 Hz 2P					
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 7 : 2 jue : 2	9.28 A 7.2 2.06 kgfm 220 % 290 % 3520 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0268 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	: Cont.(S1) : F : 1.25 : 80 K	
Rev.	Changes Summary			Performed	Checked	Date	
Performed by							