DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 IEEE 841 NEMA Premium Product code: 11578674 Efficiency Three-Phase Locked rotor time Frame : 213T : 39s (cold) 22s (hot) Output : 7.5 HP (5.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : 2 : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 1000 m.a.s.l. Rated voltage : 575 V Altitude Protection degree Rated current : 7.18 A : IP55 : IC411 - TEFC L. R. Amperes : 51.7 A Cooling method **LRC** : 7.2x(Code H) Mounting : F-1 : Both (CW and CCW) No load current : 2.56 A Rotation¹ Rated speed : 3525 rpm Noise level² : 68.0 dB(A) : Direct On Line Slip : 2.08 % Starting method Rated torque : 1.54 kgfm Approx. weight³ : 71.7 kg Locked rotor torque : 210 % Breakdown torque : 290 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.0197 kgm² Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 87.5 89.5 89.5 Max. traction : 47 kgf Max. compression Power Factor 0.74 0.83 0.86 : 118 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) P6 (0,5;0,25) P1 (0,9;1,0) P5 (0,5;0,5) P7 (0,25;0,25) 11.2 8.7 7.6 6.0 3.6 2.4 1.5 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. Rev Changes Summary

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	Performed by						
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	Date	22/10/2024			1/2		
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LOAD PERFORMANCE CURVE

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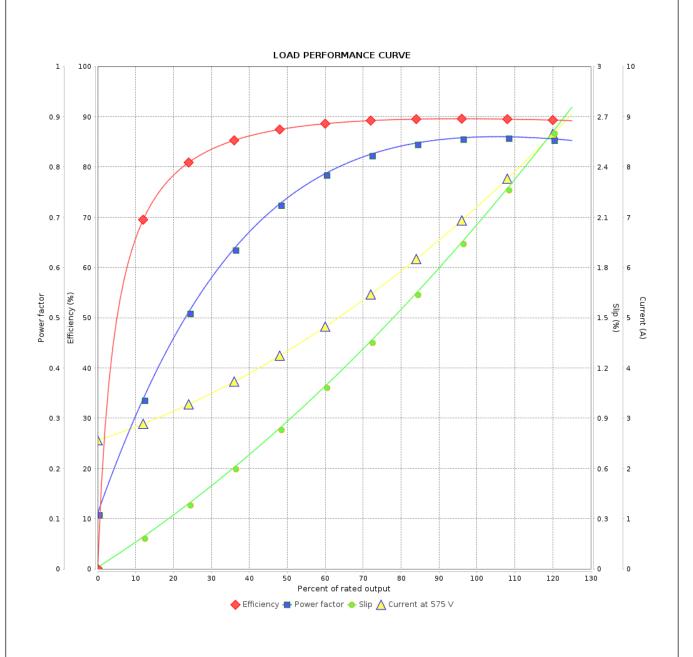


Customer :

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11578674



Performance	: 575 V 60 Hz 2P	: 575 V 60 Hz 2P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 7.18 A : 7.2 : 1.54 kgfm : 210 % : 290 % : 3525 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0197 kgm² : Cont.(S1) : F : 1.25 : 80 K : B				
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