## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 IEEE 841 NEMA Premium Product code: 12811469 Efficiency Three-Phase : 324/6TC Locked rotor time Frame : 46s (cold) 26s (hot) Output : 25 HP (18.5 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 Rated current : 24.4 A Protection degree : IP55 : IC411 - TEFC L. R. Amperes : 146 A Cooling method **LRC** : 6.0x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 10.0 A Rotation<sup>1</sup> Rated speed : 1180 rpm Noise level<sup>2</sup> : 62.0 dB(A) : Direct On Line Slip : 1.67 % Starting method Rated torque : 254 kg : 15.4 kgfm Approx. weight<sup>3</sup> Locked rotor torque : 210 % Breakdown torque : 250 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.4843 kgm<sup>2</sup> Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 91.7 93.0 93.0 Max. traction : 357 kgf Max. compression Power Factor 0.65 0.77 0.82 : 611 kgf Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0,25) 7.3 6.1 6.0 3.6 2.5 1.6 1.1 Drive end Non drive end Bearing type 6312 C3 6212 C3 Sealing Taconite Labyrinth Taconite Labyrinth 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 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** Performed Checked Date

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Date	22/10/2024			1/2		
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## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

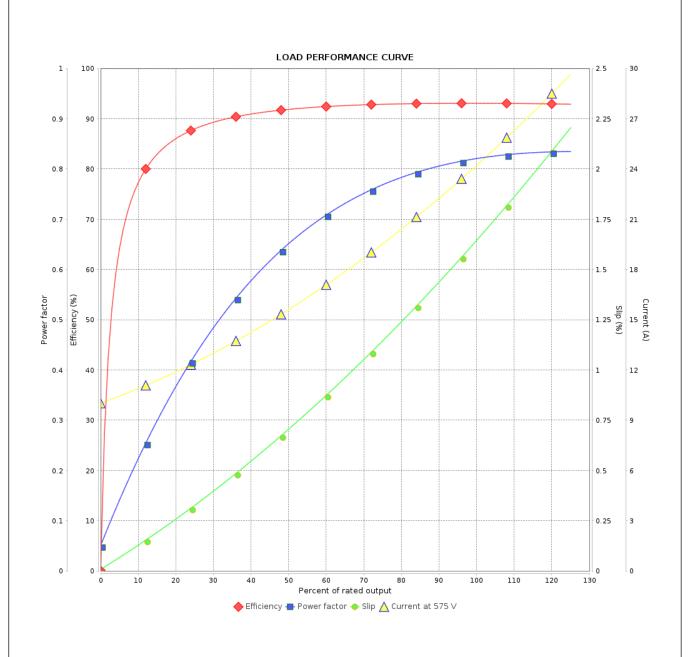


Customer :

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 12811469



Performance	: 575 V 60 Hz 6P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 24.4 A : 6.0 : 15.4 kgfm : 210 % : 250 % : 1180 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.4843 kgm <sup>2</sup> : Cont.(S1) : F : 1.25 : 80 K : B	2		
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