## **DATA SHEET**



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 NEMA Premium Efficiency Three-Product code: 12447061 : 254/6TC Locked rotor time Frame : 36s (cold) 20s (hot) Output : 15 HP (11 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : 2 Frequency : 60 Hz Ambient temperature : -20°C to +40°C : 1000 m.a.s.l. Rated voltage : 575 V Altitude Rated current Protection degree : IP55 : 13.8 A : IC411 - TEFC L. R. Amperes : 92.4 A Cooling method **LRC** : 6.7x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 4.24 A Rotation<sup>1</sup> Rated speed : 3532 rpm Noise level<sup>2</sup> : 72.0 dB(A) Slip : 1.89 % Starting method : Direct On Line Rated torque : 3.08 kgfm Approx. weight<sup>3</sup> : 120 kg Locked rotor torque : 220 % Breakdown torque : 270 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0530 kgm<sup>2</sup> Design 25% 50% 100% Output 75% Foundation loads Efficiency (%) 0.000 89.5 91.0 91.0 Max. traction : 71 kgf Power Factor 0.00 0.77 0.85 0.88 Max. compression : 190 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) 9.1 6.6 5.1 2.8 1.9 1.1 Drive end Non drive end 6309 C3 Bearing type 6209 C3 Sealing V'Ring V'Ring 19000 h 20000 h Lubrication interval Lubricant amount 13 g 9 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

( <del>+</del> ) At 100 /0 01 10	ili load.				
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## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-

Product code:

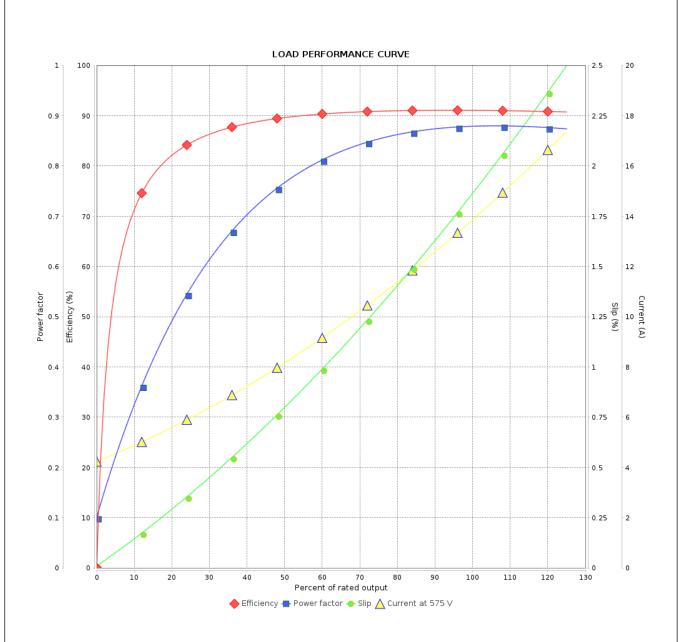
12447061

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20/05/2024

Date



Performance	: 575 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 13.8 A : 6.7 : 3.08 kgfm : 220 % : 270 % : 3532 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0530 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	
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Checked by				Page	Revision