DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 NEMA Premium Efficiency Product code: 11455588 Three-Phase : 404/5T Locked rotor time Frame : 23s (cold) 13s (hot) Output : 60 HP (45 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 : 58.4 A Protection degree : IP55 : IC411 - TEFC L. R. Amperes : 380 A Cooling method **LRC** : 6.5x(Code H) Mounting : F-1 : Both (CW and CCW) No load current : 24.0 A Rotation¹ Rated speed : 880 rpm Noise level² : 60.0 dB(A) Slip : 2.22 % Starting method : Direct On Line Rated torque : 49.8 kgfm Approx. weight³ : 523 kg Locked rotor torque : 180 % Breakdown torque : 270 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 1.69 kgm² Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 93.0 93.0 93.0 Max. traction : 1054 kgf Max. compression : 1578 kgf Power Factor 0.68 0.78 0.83 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 6.4 6.4 3.1 2.3 1.3 1.0 Drive end Non drive end NU-316 C3 Bearing type 6314 C3 Sealing WSeal WSeal 17000 h 20000 h Lubrication interval Lubricant amount 34 g 27 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 Date

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LOAD PERFORMANCE CURVE

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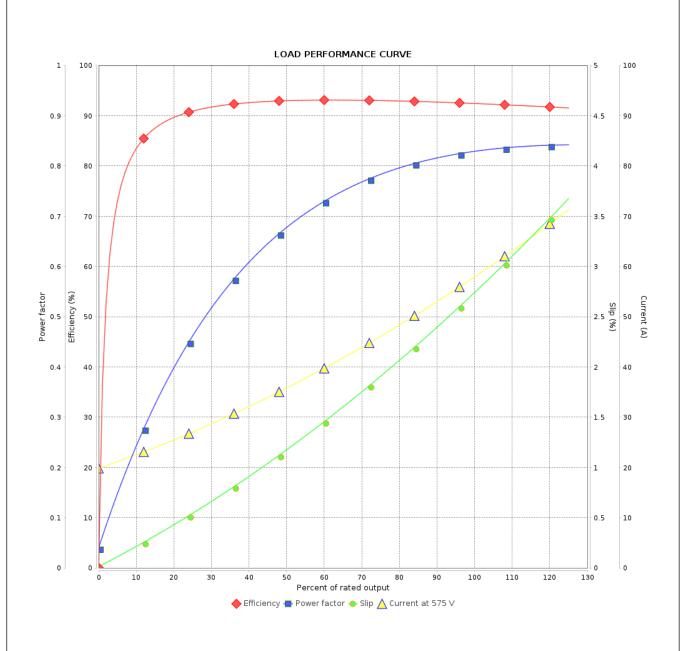


Customer :

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11455588



Performance	: 57	: 575 V 60 Hz 8P							
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6. : 49 que : 18 ie : 27	3.4 A 5 9.8 kgfm 30 % 70 % 80 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.69 kgm² : Cont.(S1) : F : 1.25 : 80 K : B				
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