DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 IEEE 841 NEMA Premium Product code: 11938997 Efficiency Three-Phase : 143/5TC Locked rotor time Frame : 18s (cold) 10s (hot) Output : 2 HP (1.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : 4 : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 1000 m.a.s.l. Rated voltage : 575 V Altitude Rated current Protection degree : IP55 : 2.23 A : IC411 - TEFC L. R. Amperes : 18.5 A Cooling method **LRC** : 8.3x(Code L) Mounting : F-1 : Both (CW and CCW) No load current : 1.30 A Rotation¹ Rated speed : 1750 rpm Noise level² : 51.0 dB(A) Slip : 2.78 % Starting method : Direct On Line Rated torque : 0.829 kgfm Approx. weight³ : 26.2 kg Locked rotor torque : 270 % Breakdown torque : 320 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.0066 kgm² Design : B 50% 75% 100% Output Foundation loads Efficiency (%) 85.5 86.5 86.5 Max. traction : 62 kgf Power Factor 0.57 0.70 0.78 Max. compression : 89 kgf Losses at normative operating points (speed;torque), in percentage of rated output power P2 (0,5;1,0) P4 (0,9;0,5) P1 (0,9;1,0) P3 (0,25;1,0) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0,25) 15.0 12.8 12.1 8.4 6.0 4.7 3.5 Drive end Non drive end Bearing type 6205 C3 6204 C3 Sealing Taconite Labyrinth Taconite Labyrinth 20000 h 20000 h Lubrication interval Lubricant amount 4 g 4 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

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Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision
Date	22/10/2024				1/2	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

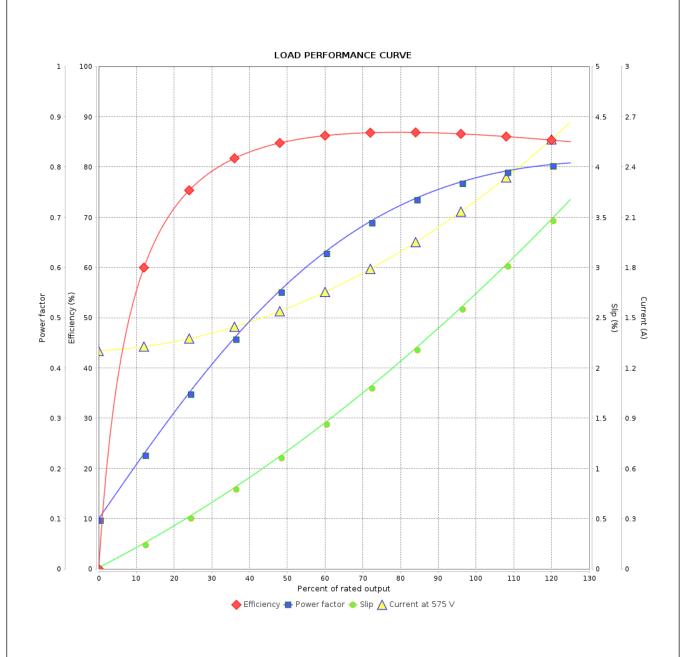


Customer :

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11938997



Performance	: 575 V 60 Hz 4P							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 2.23 A : 8.3 : 0.829 kgfm : 270 % : 320 % : 1750 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0066 kgm² : Cont.(S1) : F : 1.25 : 80 K : B				
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2/2

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