DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 IEEE 841 NEMA Premium Efficiency Product code: 15323007 : 284/6TSC Frame Locked rotor time : 30s (cold) 17s (hot) Output : 25 HP (18.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 575 V Altitude : 1000 m.a.s.l. Protection degree : IP55 Rated current : 23.3 A L. R. Amperes : 147 A Cooling method : IC411 - TEFC **LRC** : 6.3x(Code G) Mounting : F-1 : Both (CW and CCW) No load current : 6.56 A Rotation¹ Rated speed : 3545 rpm Noise level² : 72.0 dB(A) Slip : 1.53 % Starting method : Direct On Line Rated torque : 5.12 kgfm Approx. weight3 : 189 kg Locked rotor torque : 240 % Breakdown torque : 250 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.1135 kgm² Design : B 50% 75% 100% Foundation loads Output Efficiency (%) 91.0 91.7 91.7 Max. traction : 88 kgf Max. compression : 277 kgf Power Factor 0.78 0.85 0.87 Losses at normative operating points (speed;torque), in percentage of rated output power P2 (0,5;1,0) P1 (0,9;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) 8.5 6.7 6.4 4.3 2.5 1.6 1.0 Drive end Non drive end Bearing type 6311 C3 6211 C3 Inpro/Seal Inpro/Seal Sealing Lubrication interval 14000 h 17000 h Lubricant amount 18 g 11 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.

(1)					
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/01/2024			1/2	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

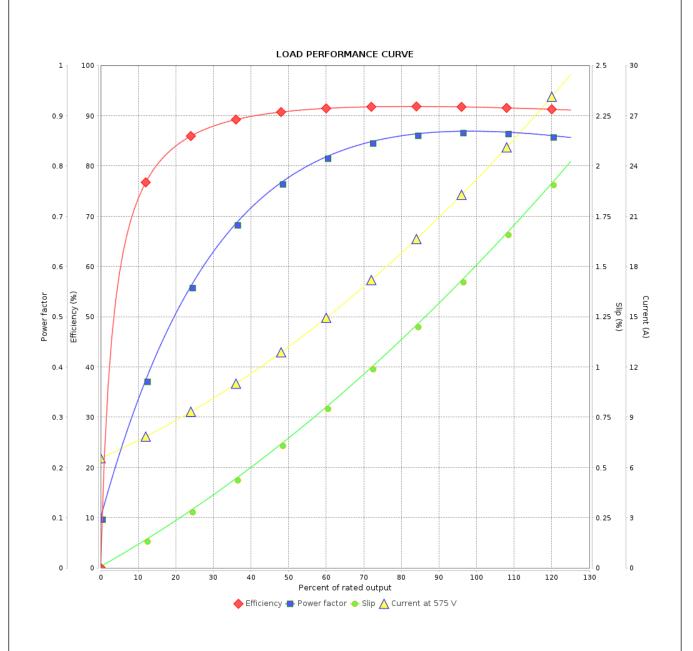


Customer :

Product line : W22 IEEE 841 NEMA Premium Efficiency

Three-Phase

Product code: 15323007



Performance	: 575 V 60 Hz 2P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 23.3 A : 6.3 : 5.12 kgfm : 240 % : 250 % : 3545 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.1135 kgm ² : Cont.(S1) : F : 1.25 : 80 K : B	2
Rev.	Changes Summary	Performed	Checked	Date
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Checked by			Page	Revision

2/2

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