DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 P Base NEMA Premium Product code: 15280258 Efficiency Three-Phase : 444/5HP Locked rotor time Frame : 48s (cold) 27s (hot) Output : 125 HP Temperature rise : 80 K Poles : 4 Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C : 1000 m.a.s.l. Rated voltage : 575 V Altitude Rated current : 111 A Protection degree : IP55 : IC411 - TEFC L. R. Amperes : 724 A Cooling method LRC : 6.5x(Code G) Mounting : W-6 No load current : 36.8 A Rotation¹ : Both (CW and CCW) Rated speed : 1785 rpm Noise level² : 73.0 dB(A) Slip : 0.83 % Starting method : Direct On Line Rated torque : 50.8 kgfm Approx. weight³ : 761 kg Locked rotor torque : 200 % Breakdown torque : 229 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 2.41 kgm² Design : B 75% Output 50% 100% Foundation loads Efficiency (%) 95.0 95.4 95.4 Max. traction Power Factor 0.74 0.82 0.85 Max. compression 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) 4.5 3.4 2.4 1.4 0.9 0.6 Drive end Non drive end Bearing type 6319 C3 6316 C3 Viton Lip Seal Viton Seal Sealing 4000 h 5000 h Lubrication interval Lubricant amount 45 g 34 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. Checked Rev. **Changes Summary** Performed Date Performed by Checked by Page Revision

1/2

29/10/2024

Date

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

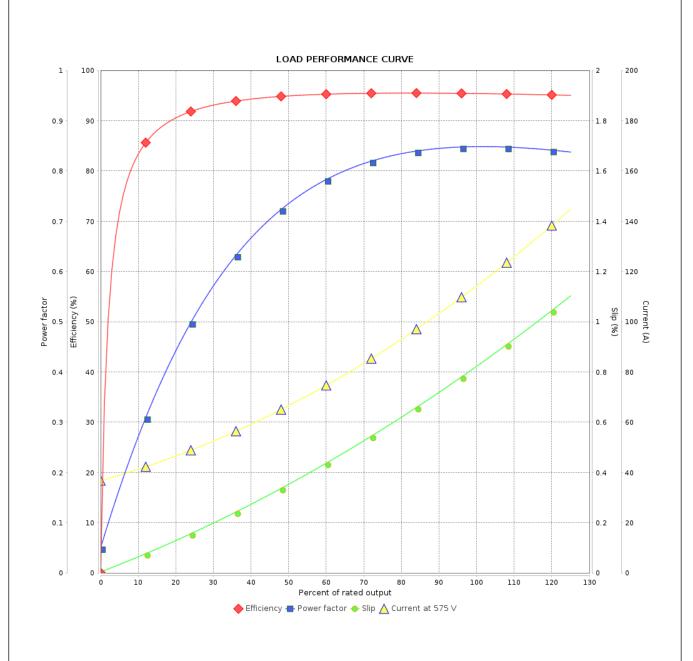


Customer :

Product line : W22 P Base NEMA Premium

Efficiency Three-Phase

Product code: 15280258



Performance	: 575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 111 A : 6.5 : 50.8 kgfm : 200 % : 229 % : 1785 rpm	Moment of Duty cycle Insulation of Service fact Temperatu Design	class ctor	: 2.41 kgm ² : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

2/2

29/10/2024

Date