DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W21 Explosion Proof NEMA Premium Product code: 14408025 Efficiency Three-Phase : 284T Locked rotor time Frame : 54s (cold) 30s (hot) Output : 10 HP (7.5 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 Protection degree Rated current : 10.7 A : IP55 Cooling method : IC411 - TEFC L. R. Amperes : 64.3 A **LRC** : 6.0x(Code H) Mounting : F-1 Rotation¹ : Both (CW and CCW) No load current : 4.80 A Rated speed : 884 rpm Noise level² : 54.0 dB(A) : Direct On Line Slip : 1.78 % Starting method Rated torque : 8.21 kgfm Approx. weight³ : 211 kg Locked rotor torque : 250 % Breakdown torque : 240 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.3034 kgm² Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 91.0 91.7 91.0 Max. traction : 176 kgf : 387 kgf Power Factor 0.62 0.72 0.77 Max. compression Drive end Non drive end Bearing type 6311 C3 6211 C3 Oil Seal Lip Seal Sealing Lubrication interval 20000 h 20000 h Lubricant amount 18 g 11 g Lubricant type Mobil Polyrex EM Notes:

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (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.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

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Customer	
Customer	

Thermal protection

ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

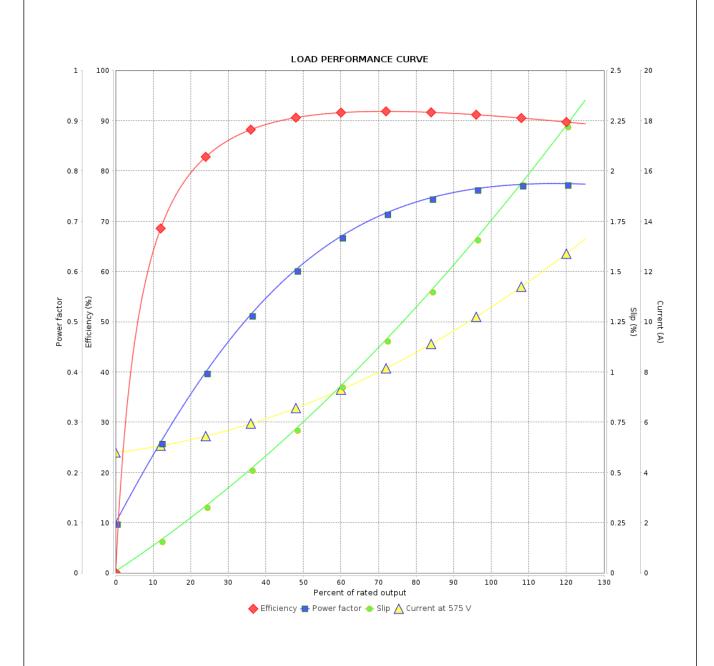


Customer :

Product line : W21 Explosion Proof NEMA Premium

Efficiency Three-Phase

Product code: 14408025



Performance	: 575 V 60 Hz 8P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 10.7 A : 6.0 : 8.21 kgfm : 250 % : 240 % : 884 rpm	Moment of inert Duty cycle Insulation class Service factor Temperature ris Design	, ,	: 0.3034 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
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