DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W21 Explosion Proof NEMA Premium Product code: 14407375 Efficiency Three-Phase : 254TC Locked rotor time Frame : 55s (cold) 31s (hot) Output : 15 HP (11 kW) Temperature rise : 80 K Poles : 2 Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C : 1000 m.a.s.l. Rated voltage : 575 V Altitude Protection degree Rated current : IP55 : 13.9 A Cooling method : IC411 - TEFC L. R. Amperes : 94.7 A **LRC** : 6.8x(Code G) Mounting : F-1 Rotation¹ : Both (CW and CCW) No load current : 4.80 A Rated speed : 3540 rpm Noise level² : 75.0 dB(A) : Direct On Line Slip : 1.67 % Starting method Rated torque : 3.08 kgfm Approx. weight³ : 146 kg Locked rotor torque : 200 % Breakdown torque : 270 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.0500 kgm² Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 90.0 90.5 91.0 Max. traction : 57 kgf : 203 kgf Power Factor 0.74 0.83 0.87 Max. compression Non drive end Drive end Bearing type 6309 C3 6209 C3 Oil Seal Lip Seal Sealing Lubrication interval 18447 h 15797 h Lubricant amount 13 g 9 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

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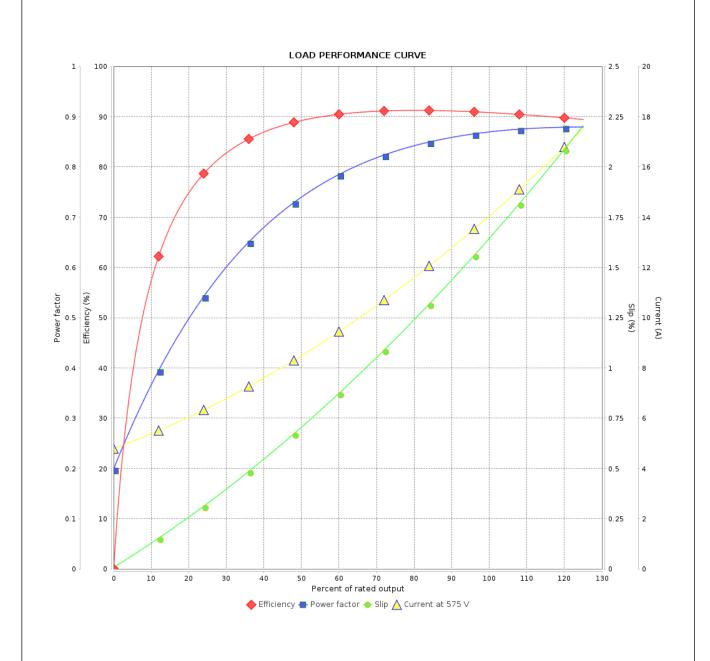


Customer :

Product line : W21 Explosion Proof NEMA Premium

Efficiency Three-Phase

Product code: 14407375



Performance	:	: 575 V 60 Hz 2P					
Rated current		13.9 A	Moment of inertia (J)		: 0.0500 kgm²		
LRC		6.8	Duty cycle		: Cont.(S1)		
Rated torque	:	3.08 kgfm	Insulation class		: F		
Locked rotor torque)	200 %	Service factor		: 1.15		
Breakdown torque	:	: 270 %		ıre rise	: 80 K		
Rated speed	:	3540 rpm	Design		: B		
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