DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W21 Explosion Proof NEMA Premium Product code: 14956071 Efficiency Three-Phase : 449T Locked rotor time Frame : 25s (cold) 14s (hot) Output : 300 HP (220 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : -20°C to +40°C Frequency : 60 Hz Ambient temperature : 575 V : 1000 m.a.s.l. Rated voltage Altitude Protection degree Rated current : 267 A : IP55 Cooling method : IC411 - TEFC L. R. Amperes : 2138 A **LRC** : 8.0x(Code J) Mounting : F-1 Rotation¹ : Both (CW and CCW) No load current : 92.0 A Rated speed : 1785 rpm Noise level² : 80.0 dB(A) Slip : 0.83 % Starting method : Direct On Line Rated torque : 122 kgfm Approx. weight³ : 1410 kg Locked rotor torque : 280 % Breakdown torque : 290 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 3.77 kgm² Design : A 50% 75% Output 100% Foundation loads Efficiency (%) 95.4 95.8 96.2 Max. traction : 2389 kgf : 3799 kgf Power Factor 0.74 0.83 0.86 Max. compression Drive end Non drive end Bearing type NU-322 C3 6319 C3 Viton Oil Seal Viton Seal Sealing Lubrication interval 3330 h 7038 h Lubricant amount 60 g 45 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	
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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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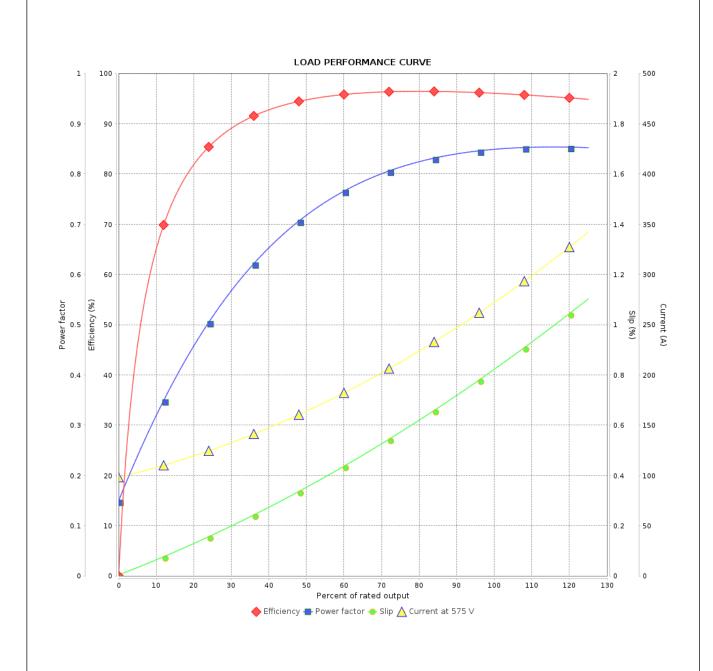


Customer :

Product line : W21 Explosion Proof NEMA Premium

Efficiency Three-Phase

Product code: 14956071



Performance	: 5	75 V 60 Hz 4P					
		Moment of inertia (J)		: 3.77 kgm²			
LRC : 8		~		Duty cycle		: Cont.(S1)	
Rated torque :		22 kgfm		Insulation class		: F	
Locked rotor torque		30 %	Service fa	Service factor			
Breakdown torqu	ie : 29	90 %	Temperati	Temperature rise			
Rated speed	: 17	785 rpm	Design		: A		
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