DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Product line : W21 Explosion Proof NEMA Product code : 14407584 Premium Efficiency Three-Phase Frame : 256TC	
Output : 10 HP (7.5 kW) Temperature rise : 80 K Poles : 6 Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C	
Rated voltage : 575 V Altitude : 1000 m.a.s.l. Rated current : 10.6 A Protection degree : IP55 L. R. Amperes : 76.6 A Cooling method : IC411 - TEFC LRC : 7.2x(Code J) Mounting : F-1 No load current : 5.28 A Rotation¹ : Both (CW and CCW) Rated speed : 1175 rpm Noise level² : 59.0 dB(A) Slip : 2.08 % Starting method : Direct On Line Rated torque : 6.18 kgfm Approx. weight³ : 166 kg Locked rotor torque : 310 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.1751 kgm² Design : B	°C C d CCW)
Output 50% 75% 100% Foundation loads	
Efficiency (%) 89.5 90.2 91.0 Max. traction : 218 kgf Power Factor 0.60 0.70 0.78 Max. compression : 384 kgf	
Bearing type : 6309 C3 6209 C3 Sealing : Oil Seal Lip Seal Lubrication interval : 20000 h Lubricant amount : 13 g 9 g Lubricant type : Mobil Polyrex EM	

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

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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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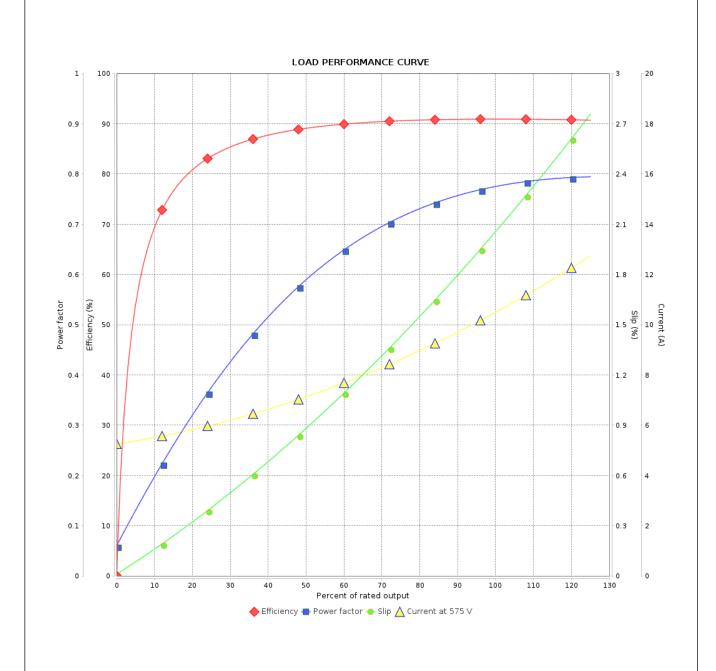


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 14407584



Performance		: 575 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	que :	: 10.6 A : 7.2 : 6.18 kgfm : 270 % : 310 % : 1175 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.1751 kgm : Cont.(S1) : F : 1.15 : 80 K : B	2
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