DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:					
Product line				n Proof NEM. ncy Three-P		12408382
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design		: 447T : 250 HP (185 kW) : 4 : 60 Hz : 575 V : 227 A : 1590 A : 7.0x(Code H) : 72.2 A : 1784 rpm : 0.89 % : 102 kgfm : 250 % : 250 % : F : 1.15 : 3.77 kgm² : B		W)	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 36s (cold) 20s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 82.0 dB(A) : Direct On Line : 1170 kg
Output Efficiency (%) Power Factor	25% 50% 75% 100% 95.3 95.4 96.2 96.2 0.49 0.72 0.81 0.85		Foundation loads Max. traction Max. compression	: 1639 kgf : 2809 kgf		
Bearing type Sealing Lubrication interve Lubricant amount Lubricant type Notes		: : : :	63 Viton 70	<u>e end</u> 19 C3 Oil Seal 038 h 45 g Mo	Non drive end 6316 C3 Viton Seal 8569 h 34 g obil 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

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

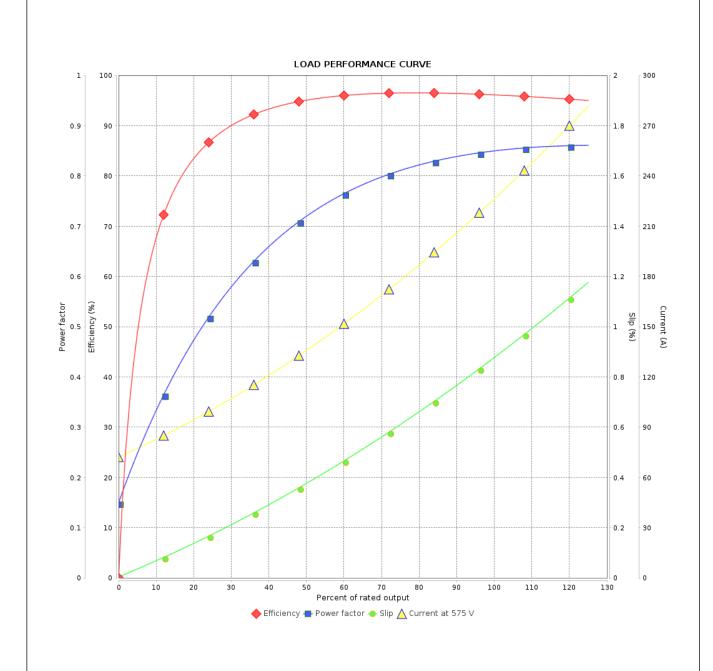


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 12408382



Performance		: 575 V 60 Hz 4P					
Rated current		: 227 A			inertia (J)	: 3.77 kgm²	
LRC		: 7.0		Duty cycle		: Cont.(S1)	
		: 102 kgfm		Insulation class		: F	
Locked rotor torque : 250 %		: 250 %	Se	Service factor		: 1.15	
Breakdown torque :		: 250 %	Te	Temperature rise		: 80 K	
Rated speed : 1784 rpm		De	esign		: B		
Rev.		Changes Summ	nary		Performed	Checked	Date

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