DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line		: W21 Explosion Proof NEMA Premium Efficiency Three-Ph			14407375
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		: 254TC : 15 HP (1 : 2 : 60 Hz : 575 V : 13.9 A : 94.7 A : 6.8x(Cod : 4.80 A : 3540 rpm : 1.67 % : 3.08 kgfm : 200 % : 270 % : F : 1.15 : 0.0500 kg	e G) n	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 55s (cold) 31s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 75.0 dB(A) : Direct On Line : 147 kg
Output Efficiency (%) Power Factor	50% 90.0 0.74	75% 90.5 0.83	100% 91.0 0.87	Foundation loads Max. traction Max. compression	: 57 kgf : 203 kgf
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes		:	Drive end 6309 C3 Oil Seal 15797 h 13 g	Non drive end 6209 C3 Lip Seal 18447 h 9 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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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

Three Phase Induction Motor - Squirrel Cage

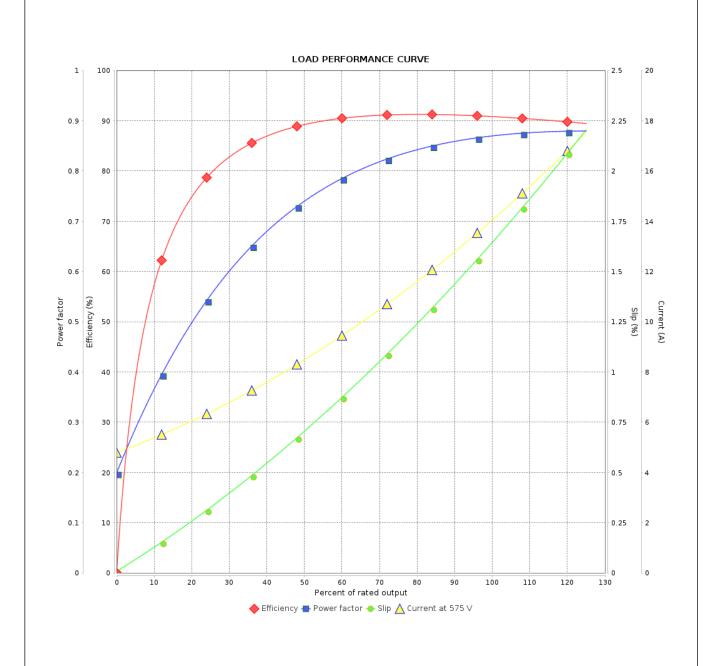


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 14407375



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