DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:					
Product line				n Proof NEM ncy Three-Pl		14407015
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		: 254T : 15 HP (11 kW) : 2 : 60 Hz : 575 V : 13.9 A : 94.7 A : 6.8x(Code G) : 4.80 A : 3540 rpm : 1.67 % : 3.08 kgfm : 200 % : 270 % : F : 1.15 : 0.0500 kgm² : B			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 : 146 kg
Output	25%	50%	75%	100%	Foundation loads	. 57 leaf
Efficiency (%) Power Factor	89.4 0.49	90.0 0.74	90.5 0.83	91.0 0.87	Max. traction Max. compression	: 57 kgf : 203 kgf
Bearing type : 6309 C3 Sealing : Oil Seal Lubrication interval : 15797 h Lubricant amount : 13 g Lubricant type : Mod		Non drive end 6209 C3 Lip Seal 18447 h 9 g obil 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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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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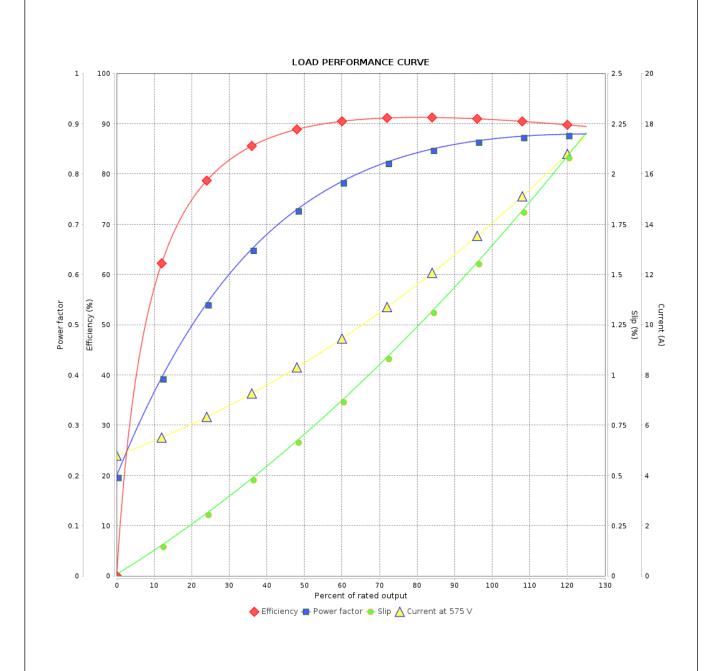


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 14407015



Performance		: 575 V 60 Hz 2P					
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	•	: 13.9 A : 6.8 : 3.08 kgfm : 200 % : 270 % : 3540 rpm	Du Ins Se Te	oment of uty cycle sulation ervice fac emperatu esign	class ctor	: 0.0500 kgm : Cont.(S1) : F : 1.15 : 80 K : B	2
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