DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line			olosion Proof NEM Efficiency Three-P		11873977
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		: 444/5T : 125 HP : 4 : 60 Hz : 575 V : 111 A : 756 A : 6.8x(Code G) : 36.0 A : 1785 rpm : 0.83 % : 50.8 kgfm : 200 % : 220 % : F : 1.15 : 2.41 kgm² : B		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 75s (cold) 42s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 76.0 dB(A) : Direct On Line : 898 kg
Output Efficiency (%)	50% 94.3	75% 95.2	100% 95.4	Foundation loads Max. traction	: 529 kgf
Power Factor	0.75	0.82	0.85	Max. compression	: 1426 kgf
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : :	Drive end NU-219 C3 Viton Oil Seal 5526 h 28 g	Non drive end 6316 C3 Viton Seal 8569 h 34 g obil Polyrex EM	<u>I</u>
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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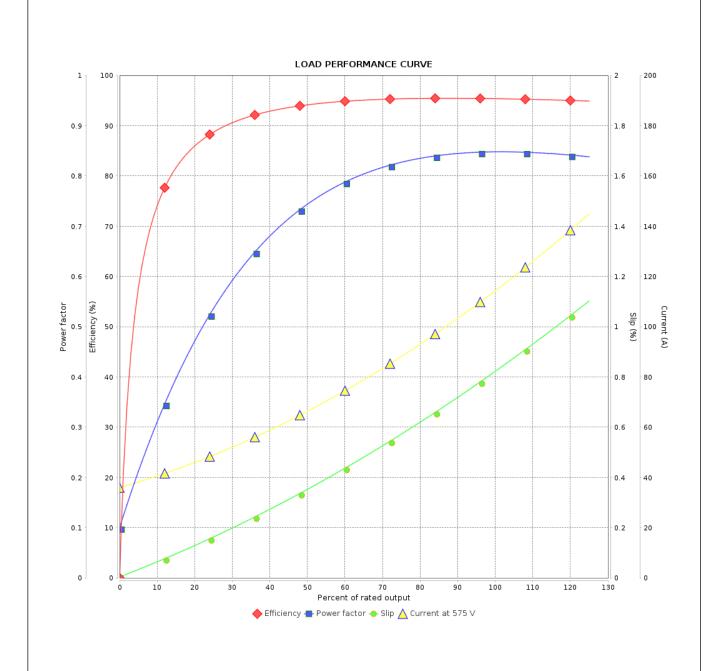


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 11873977



: 575 V 60 Hz 4P Performance : 111 A Rated current Moment of inertia (J) : 2.41 kgm² **LRC** : 6.8 Duty cycle : Cont.(S1) : 50.8 kgfm Insulation class : F Rated torque Locked rotor torque : 200 % Service factor : 1.15 Breakdown torque : 220 % Temperature rise : 80 K Rated speed · 1785 rnm Design

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