DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :							
Product line			olosion Proof NEM Efficiency Three-F		12097710		
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		: 404/5TC : 100 HP (: 4 : 60 Hz : 575 V : 90.4 A : 651 A : 7.2x(Coo : 31.2 A : 1780 rpn : 1.11 % : 40.8 kgfr : 270 % : 280 % : F : 1.15 : 1.11 kgm : B	75 kW) le H) n	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation ¹ Noise level ² Starting method Approx. weight ³	: 23s (cold) 13s (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 : 564 kg		
Output Efficiency (%)	50% 94.5	75% 95.0	100% 95.4	Foundation loads Max. traction	: 842 kgf		
Power Factor	0.72	0.82	0.87	Max. compression	: 1404 kgf		
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : : : : : : : : : : : : : : : : : : :	Drive end 6217 C3 Oil Seal 9149 h 21 g	Non drive end 6314 C3 Lip Seal 9789 h 27 g obil Polyrex EM			
Notes	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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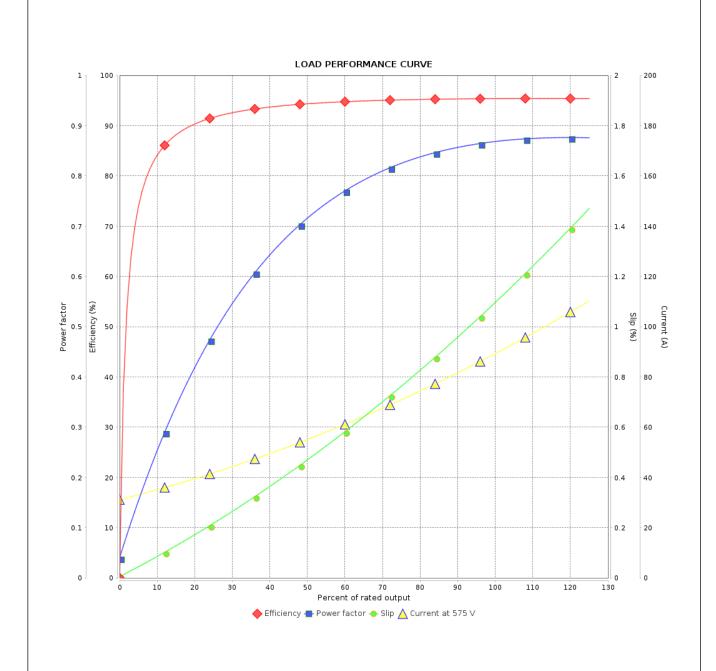


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 12097710



: 575 V 60 Hz 4P Performance : 90.4 A Rated current Moment of inertia (J) : 1.11 kgm² **LRC** : 7.2 Duty cycle : Cont.(S1) : 40.8 kgfm Insulation class : F Rated torque Locked rotor torque : 270 % Service factor : 1.15 Breakdown torque : 280 % Temperature rise : 80 K Rated speed · 1780 rpm Design

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