DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line			olosion Proof NEM Efficiency Three-P		12697714
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		: 364/5TC : 75 HP (55 kW) : 4 : 60 Hz : 575 V : 66.6 A : 513 A : 7.7x(Code H) : 22.4 A : 1782 rpm : 1.00 % : 30.5 kgfm : 240 % : 290 % : F : 1.15 : 0.9798 kgm² : A		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 28s (cold) 16s (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 : 480 kg
Output Efficiency (%)	50% 94.5	75% 95.0	100% 95.4	Foundation loads Max. traction	: 757 kgf
Power Factor	0.74	0.83	0.87	Max. compression	: 1234 kgf
Bearing type Sealing Lubrication interv Lubricant amoun Lubricant type		: : : : : : : : : : : : : : : : : : : :	Drive end 6314 C3 Oil Seal 9789 h 27 g	Non drive end 6314 C3 Lip Seal 9789 h 27 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

Three Phase Induction Motor - Squirrel Cage

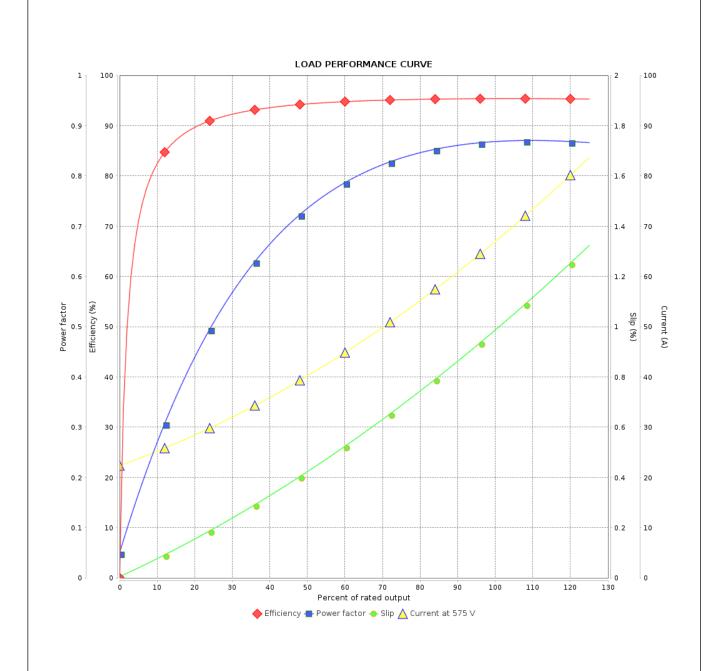


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 12697714



Performance : 575 V 60 Hz 4P Rated current : 66.6 A Moment of inertia (J) : 0.9798 kgm² **LRC** : 7.7 Duty cycle : Cont.(S1) : F Rated torque : 30.5 kgfm Insulation class Locked rotor torque : 240 % Service factor : 1.15 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 1782 rpm Design : A

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