DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line			olosion Proof NEM Efficiency Three-I		14407503
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tord Breakdown torque Insulation class Service factor Moment of inertic	ie	: 254TC : 15 HP (1 : 4 : 60 Hz : 575 V : 14.7 A : 107 A : 7.3x(Cod : 6.88 A : 1770 rpm : 1.67 % : 6.15 kgfm : 300 % : 300 % : F : 1.15 : 0.0974 kg	le J) n	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 46s (cold) 26s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 69.0 dB(A) : Direct On Line : 150 kg
Output Efficiency (%)	50% 90.2	75% 91.7	92.4	Foundation loads Max. traction	: 214 kgf
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type		0.75	0.81 Drive end 6309 C3 Oil Seal 20000 h 13 g	Max. compression Non drive end 6209 C3 Lip Seal 20000 h 9 g Mobil Polyrex EM	: 366 kgf
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.

Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	28/10/2024				1/3	

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	
Customer	

Thermal protection

		•		
ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	28/10/2024			2/3	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

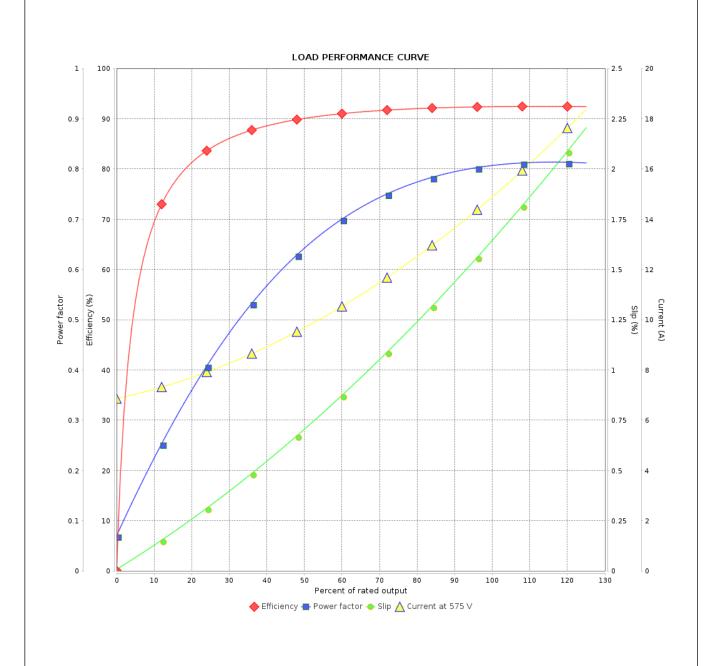


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 14407503



Performance : 575 V 60 Hz 4P : 14.7 A Rated current Moment of inertia (J) : 0.0974 kgm² **LRC** : 7.3 Duty cycle : Cont.(S1) : F Rated torque : 6.15 kgfm Insulation class Locked rotor torque : 300 % Service factor : 1.15 Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 1770 rpm Design : B

			3			
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	28/10/2024				3/3	

