# **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer	:						
Product line			: W21 Explosion Proof NEMA Product code : 14956071 Premium Efficiency Three-Phase				
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		: 449T : 300 HP ( : 4 : 60 Hz : 575 V : 267 A : 2138 A : 8.0x(Cod : 92.0 A : 1785 rpm : 0.83 % : 122 kgfm : 280 % : 290 % : F : 1.15 : 3.77 kgm	le J)	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 25s (cold) 14s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 80.0 dB(A) : Direct On Line : 1410 kg		
Output	50%	75%	100%	Foundation loads			
Efficiency (%) Power Factor	95.4 0.74	95.8 0.83	96.2 0.86	Max. traction Max. compression	: 2389 kgf : 3799 kgf		
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type		: : : : : : : : : : : : : : : : : : : :	Drive end NU-322 C3 Viton Oil Seal 3330 h 60 g	Non drive end 6319 C3 Viton Seal 7038 h 45 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

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

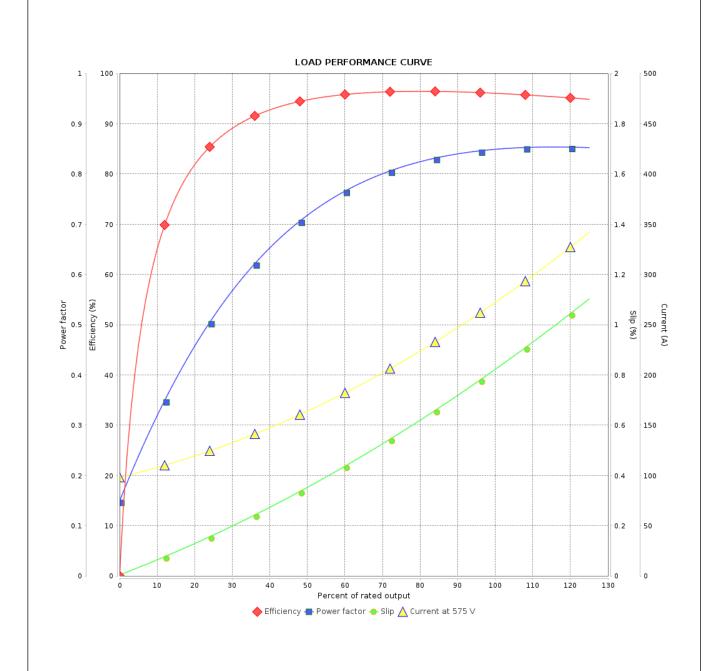


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 14956071



Performance : 575 V 60 Hz 4P : 267 A Rated current Moment of inertia (J) : 3.77 kgm<sup>2</sup> **LRC** : 8.0 Duty cycle : Cont.(S1) : F Rated torque : 122 kgfm Insulation class Locked rotor torque : 280 % Service factor : 1.15 Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 1785 rpm Design : A

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