## **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer				
Product line	: W21 Explosion Proof NEM/ Premium Efficiency Three-Pl		11724525	
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 : 100 HP (75 kW) : 6 : 60 Hz : 575 V : 96.7 A : 658 A : 6.8x(Code G) : 39.0 A : 1190 rpm : 0.83 % : 61.2 kgfm : 229 % : 260 % : F : 1.15 : 3.68 kgm² : B	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 88s (cold) 49s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 70.0 dB(A) : Direct On Line : 947 kg	
Output 50% Efficiency (%) 94.1 Power Factor 0.66	75% 100% 95.0 95.0 0.76 0.82	Foundation loads  Max. traction  Max. compression	: 910 kgf : 1864 kgf	
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type Notes	Drive end	Non drive end 6316 C3 Lip Seal 12823 h 34 g obil Polyrex EM	, and the second	

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

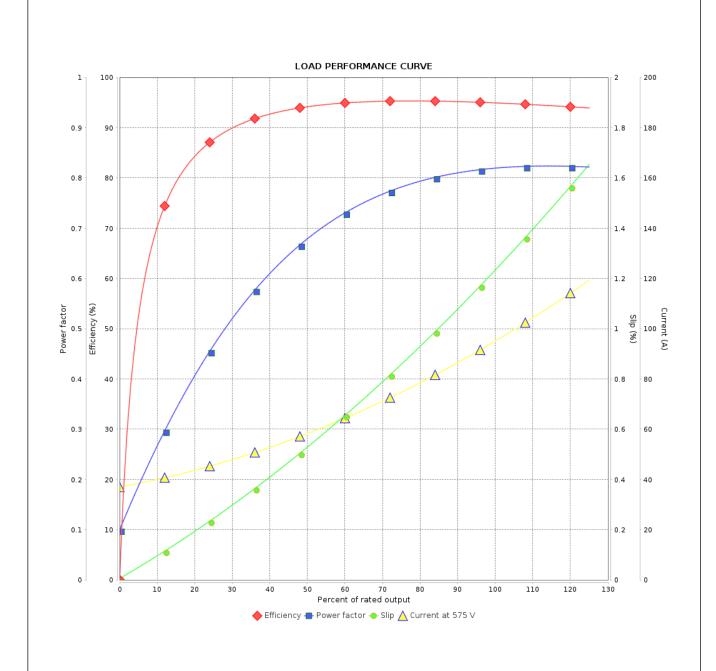


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 11724525



Performance		: 575 V 60 Hz 6P				
Rated current LRC		: 96.7 A : 6.8	Moment of inertia (J)		: 3.68 kgm² : Cont.(S1)	
Rated torque		: 61.2 kgfm	Duty cycle Insulation class		: F	
Locked rotor tord	•	: 229 % : 260 %	Service factor		: 1.15 : 80 K	
Breakdown torqu Rated speed	ie	. 200 % : 1190 rpm	Temperature rise Design		: B	
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