# **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer	:					
Product line		: W21 Explosion Proof NEMA Premium Efficiency Three-Ph				11508504
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 inertit Design	ue	: 6 : 60 F : 575 : 46.5 : 344 : 7.4x : 16.8 : 1182 : 1.50 : 30.7 : 229 : 250 : F	HP (37 kW) Hz V 5 A A ((Code H) 3 A 2 rpm 0 % 7 kgfm % %		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 36s (cold) 20s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 65.0 dB(A) : Direct On Line : 471 kg
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%) Power Factor	93.4 0.46	93.6 0.71	94.1 0.81	94.1 0.85	Max. traction Max. compression	: 627 kgf : 1099 kgf
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type		: : : :	63 Oi 14	e end 14 C3 I Seal 267 h 27 g	Non drive end 6314 C3 Lip Seal 14267 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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Customer	

#### 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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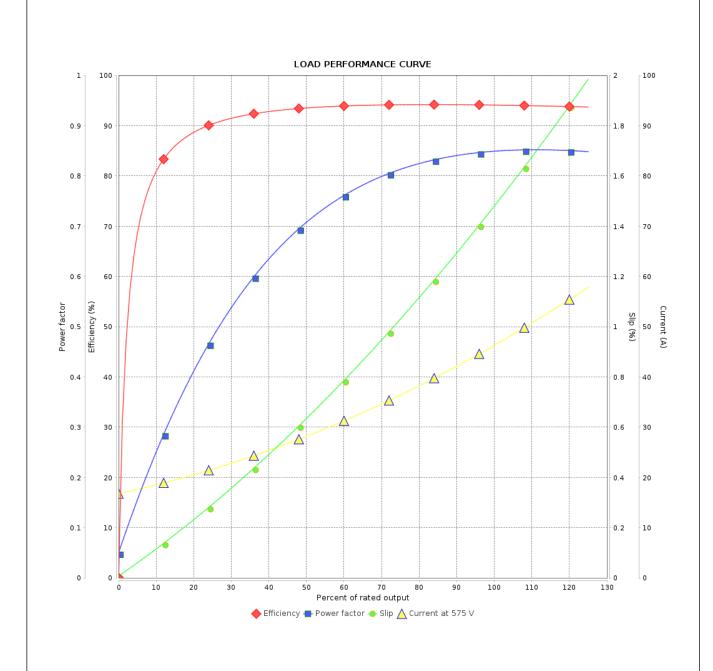


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 11508504



Performance : 575 V 60 Hz 6P Rated current : 46.5 A Moment of inertia (J) : 1.24 kgm<sup>2</sup> **LRC** : 7.4 Duty cycle : Cont.(S1) : F Rated torque : 30.7 kgfm Insulation class Locked rotor torque : 229 % Service factor : 1.15 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 1182 rpm Design : B

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