## **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer :			
Product line	: W21 Explosion Proof NEMA Premium Efficiency Three-Ph		14189464
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	: 213/5TC : 7.5 HP (5.5 kW) : 4 : 60 Hz : 575 V : 7.53 A : 50.4 A : 6.7x(Code H) : 3.20 A : 1765 rpm : 1.94 % : 3.08 kgfm : 240 % : 280 % : F : 1.15 : 0.0582 kgm² : B	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 21s (cold) 12s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 58.0 dB(A) : Direct On Line : 93.3 kg
Output 50% Efficiency (%) 90.2	75% 100% 91.0 91.7	Foundation loads Max. traction	: 111 kgf
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type	0.73	Max. compression  Non drive end 6207 2RS Lip Seal bil Polyrex EM	: 208 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	

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Customer	•
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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

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

# LOAD PERFORMANCE CURVE

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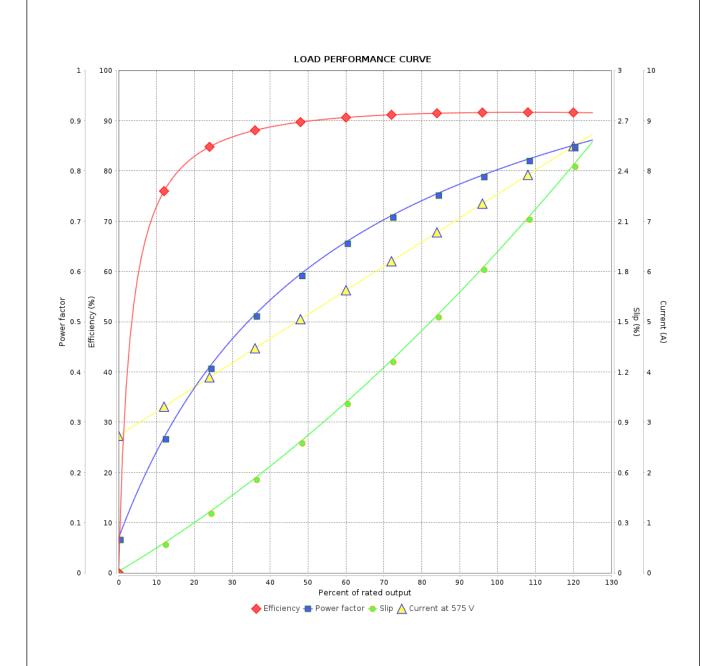


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 14189464



Performance	: 575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 7.53 A : 6.7 : 3.08 kgfm : 240 % : 280 % : 1765 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0582 kgm² : Cont.(S1) : F : 1.15 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

3/3

28/10/2024

Date

