## **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer	:						
Product line			: W21 Explosion Proof NEMA Product code : 14189464 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 torq Breakdown torqu Insulation class Service factor Moment of inertia	e	: 213/5TC : 7.5 HP (! : 4 : 60 Hz : 575 V : 7.53 A : 50.4 A : 6.7x(Coo : 3.20 A : 1765 rpn : 1.94 % : 3.08 kgfr : 240 % : 280 % : F : 1.15 : 0.0582 k	5.5 kW) de H) n	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 Efficiency (%)	50% 90.2	75% 91.0	100% 91.7	Foundation loads Max. traction	: 111 kgf		
Power Factor	0.60	0.73	0.80	Max. compression	: 208 kgf		
Bearing type Sealing Lubrication interv Lubricant amount Lubricant type		: : : :	Drive end 6308 2RS Oil Seal - - M	Non drive en 6207 2RS Lip Seal - - obil Polyrex EM			
Notes							

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	
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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

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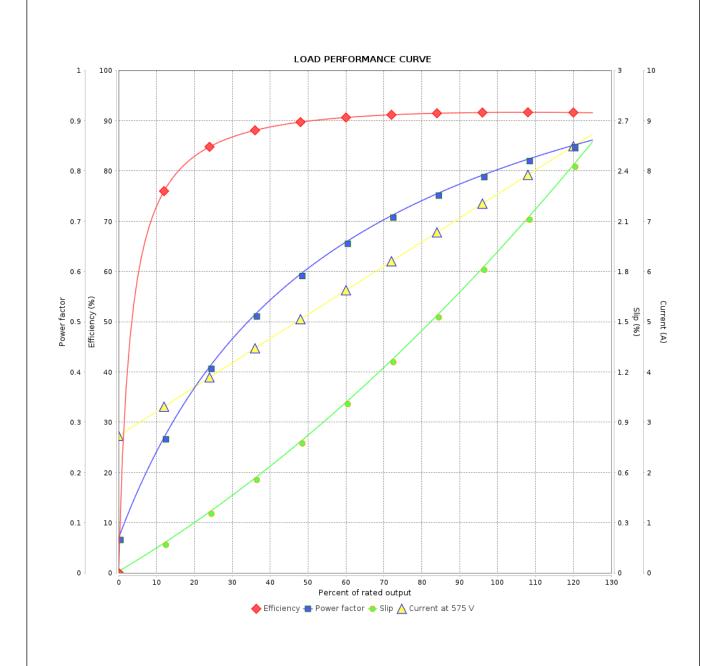


Customer :

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	
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Date